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# TSDF Closure Certification Report

Volume I of III

Niagara Mohawk Power Corporation North Albany Service Center Albany, New York

December 2000



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## Volumes II & III

**TSDF Closure Analytical Data Reports** 

## 1. Introduction

#### 1.1 General

This Closure Certification Report summarizes the hazardous waste treatment, storage, and disposal facility (TSDF) closure activities that were conducted at the Niagara Mohawk Power Corporation (NMPC) North Albany Service Center in Albany, New York. The closure activities were conducted in accordance with the New York State Department of Environmental Conservation- (NYSDEC-) approved Closure Plan (Revision 4.0 - January 17, 2000) included in the 6NYCRR Part 373 Hazardous Waste Management Permit (NYSDEC Permit No. 4-0101-00114/00004-0) for the NMPC North Albany Service Center TSDF.

The TSDF closure activities were conducted to decontaminate hazardous waste storage units, equipment and appurtenances used to transfer hazardous wastes, and concrete surfaces containing polychlorinated biphenyls (PCBs) at concentrations exceeding applicable cleanup criteria. The TSDF closure activities were conducted during two separate phases of work efforts which extended between February 2000 and October 2000. The first phase consisted of implementing the TSDF closure activities presented in the TSDF Closure Plan. The second phase consisted of implementing concrete removal and restoration activities to address the results of verification/characterization sampling conducted following the initial phase of the closure activities.

This certification report has been prepared in accordance with the reporting requirements outlined in the NYSDEC-approved Closure Plan (Revision 4.0 - January 17, 2000). The purpose and organization of the Certification Report is described below, followed by a discussion of general background information relating to the TSDF closure activities.

#### 1.2 Purpose and Organization of Report

As indicated above, the purpose of this TSDF Closure Certification Report is to provide a detailed description of the TSDF closure activities that were conducted to obtain final closure status for the North Albany Service Center TSDF as presented in the NYSDEC-approved Closure Plan (Revision 4.0 - January 17, 2000). In accordance with the requirements of 6 NYCRR Part 373-2.7(f), a Certification Statement signed by a registered professional engineer licensed in New York State is included in Section 5 of this report.

This Certification Report is organized into the following sections:

Section	Purpose
Section 1 - Introduction	Presents the purpose and organization of the Certification Report, relevant background information, and the objectives of the TSDF closure activities.
Section 2 - Initial TSDF Closure Activities	Presents a detailed description of the initial TSDF closure activities.
Section 3 - Concrete and Soil Characterization Activities	Presents a description of the additional characterization sampling which was implemented based on the results of verification sampling conducted following the initial TSDF closure activities.
Section 4 - Final TSDF Closure Activities	Presents a detailed description of the final TSDF closure activities.

Section	Purpose	
Section 5 - Certification Statement	Presents a certification statement signed by a registered New York State Professional Engineer.	

#### 1.3 Background Information

This section presents relevant background information used to develop the strategy for implementing the TSDF closure activities. A brief site description is presented below, followed by a discussion of relevant background information relating to the TSDF closure activities.

#### 1.3.1 Site Description

The geographic location of the North Albany Service Center is shown on the site location map presented on Figure 1. The general layout of the North Albany Service Center is presented on Figure 2. The North Albany Service Center is located on an approximately 25-acre parcel which consists of several buildings, parking lots, and storage areas. Buildings and primary site features which are currently present at the facility consist of the following:

- The Versaire Building (Building 1) which serves as a warehouse and crew headquarters. A hazardous materials storage building (the "Versaire Hazardous Waste Storage Shed"), which is part of the TSDF, is located along the western side of the Versaire Building;
- A three-story structure (Building 2) containing offices, meeting rooms, and maintenance shops. A Transformer Shop located on the first floor of Building 2 is used to service various electrical equipment and formerly contained a hazardous waste storage area (the "Transformer Shop Hazardous Storage Area") which was removed as part of the initial TSDF closure activities. Two hazardous waste storage cabinets (the "Flammables Storage Cabinet" and the "Corrosives Storage Cabinet"), which are part of the TSDF, are located on a loading dock at the south side of the Transformer Shop. Based on the results of verification/characterization sampling conducted following the initial TSDF closure activities, additional closure activities were also implemented in a Machine Shop and Truck Dock area located adjacent to the Transformer Shop inside Building 2;
- An aboveground, outdoor storage tank facility (the "Outdoor Tank Facility") located south of Building 2 in the area immediately outside the Transformer Shop. The outdoor storage tank facility is part of the TSDF and consists of a PCB-contaminated waste oil storage tank [Tank No. 373-1, which stores PCB-contaminated waste oil containing PCBs at concentrations ranging between 50 and 499 parts per million (ppm)], two non-hazardous waste oil storage tanks, a virgin oil storage tank, and a truck loading/unloading pad. Hazardous waste is pumped into the PCB-contaminated waste oil storage tank via a waste oil transfer pump located in the Transformer Shop or from a pipe connection located in the truck loading/unloading pad;
- An office building (Building 2-1) located at the southwestern corner of the property that was formerly used to support NMPC customer service and billing operations;
- Two storage sheds (Buildings 2-3 and 2-4) that were constructed as part of a former lumber planing business located in the southeastern section of the property;
- A vehicle maintenance building located in the northeastern portion of the property; and
- An electrical equipment and non-Resource Conservation and Recovery Act- (RCRA-) regulated waste storage building (the Transformer Storage Building) located south of Building 2.

The service center also includes an outdoor electrical substation (the Genesee Street Substation) and several acres of parking and outdoor equipment storage areas.

#### 1.3.2 Site History

In the early 1980s, NMPC submitted a Solid Waste Management Permit Application (SWMPA) to the NYSDEC to obtain a permit for the storage of hazardous wastes at the North Albany Service Center. As a result of the SWMPA submittal, the North Albany Service Center was automatically designated as an interim status hazardous waste TSDF when the regulations contained in 6 NYCRR Parts 373-1.2(d) were promulgated in 1985. In June 1993, NMPC submitted a 6NYCRR Part 373 Hazardous Waste Management Permit Application (HWMPA) to obtain final TSDF status for hazardous waste storage areas at the North Albany Service Center. In January 1995, the NYSDEC issued a 6NYCRR Part 373 Hazardous Waste Management Permit (NYSDEC Permit No. 4-0101-00114/00004-0) which granted final TSDF status for the North Albany Service Center.

An original TSDF Closure Plan was included as Appendix F to the June 1993 HWMPA. NMPC prepared and submitted a revised Closure Plan (Revision 1 - August 27, 1999) to the NYSDEC to incorporate revised Toxic Substance and Control Act (TSCA) regulations (40 CFR Part 761) which became effective on August 28, 1998 (the PCB "Mega-Rule"). The revised Closure Plan also included provisions for the future storage of hazardous waste at the facility for periods of less than 90 days. Three subsequent TSDF Closure Plan revisions (Revisions 2, 3, and 4) were submitted to the NYSDEC to incorporate additional closure activities which were determined to be necessary based on the results of concrete sampling conducted prior to implementing the initial TSDF closure activities. The final closure activities for the North Albany Service Center TSDF were implemented in accordance with Revision 4.0 to the NYSDEC-approved Closure Plan dated January 17, 2000 as modified by a June 14, 2000 letter to the NYSDEC. Following certification of the final TSDF closure by a Licensed New York State Engineer, the facility will continue to operate as a less than 90-day hazardous waste storage facility with large quantity generator status. The most recent approved version of the Closure Plan (Revision 4.0 - January 17, 2000) and a June 14, 2000 letter to the NYSDEC which presents minor modifications to the Closure Plan are included in Appendix A.

#### 1.3.3 TSDF Pre-Closure Sampling Activities Results

In accordance with the TSDF Closure Plan, pre-closure concrete sampling activities were conducted at the North Albany Service Center during October and November 1999 to evaluate the potential presence of PCBs in concrete containment structures associated with the TSDF (including concrete floors, walls, and bermed areas). The pre-closure sampling activities were conducted by Blasland, Bouck & Lee, Inc. (BBL) and included the following:

- Collecting pulverized concrete samples to evaluate the presence of PCBs within the floors and berm walls of the Transformer Hazardous Waste Storage Area;
- Collecting pulverized concrete samples to evaluate the presence of PCBs within the floors and walls of the Versaire Hazardous Waste Storage Shed containment areas; and
- Collecting pulverized concrete samples to evaluate the presence of PCBs within the floor and walls of the Outdoor Tank Facility truck loading/unloading pad.

Analytical results for the concrete samples collected during the pre-closure sampling activities indicated the presence of PCBs at concentrations exceeding applicable United States Environmental Protection Agency (USEPA) cleanup criteria for porous surfaces presented in 40 CFR 761.61. Regulatory criteria which were utilized for comparison with the pre-closure sampling results are presented in Table 1. An analytical sample summary which lists each



 BLASLAND, BOUCK & LEE, INC.

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sample collected as part of the pre-closure and closure activities is presented in Table 2 (including sample identification numbers, analyses performed, sample matrix, and sample date). Analytical results obtained for the analysis of the concrete samples collected as part of the pre-closure sampling activities are listed in Table 3 and shown on Figures 3, 4, and 5. The pre-closure sampling results are summarized below.

Transformer Shop Hazardous Waste Storage Area Pre-Closure Sampling Results

Location	Number of Samples			ected PCB ons (ppm)
Transformer Shop Hazardous Waste Storage Area Concrete Samples:				
Floor Within the Bermed Area	4	160 J	to	4,800 J
Containment Wall	1		< 0.	5

#### Notes:

- 1. <= PCBs were not detected at a concentration exceeding the indicated laboratory detection limit.
- 2. J = Indicates an estimated concentration.
- 3. Concrete sampling was conducted in accordance with the PCB sampling methods specified in 40 CFR 761 Subpart O.
- 4. Laboratory analysis for PCBs was conducted by Scilab Albany, Inc. (Scilab) of Latham, NY using United States Environmental Protection Agency (USEPA) SW-846 Method 8082.

As indicated in the table above, PCBs were detected in concrete samples (3-inch deep pulverized samples) collected from the Transformer Shop Hazardous Waste Storage Area floor at concentrations up to 4,800 ppm. PCBs were not detected in the containment wall sample. Analytical results for the pre-closure concrete samples collected in the Transformer Shop Hazardous Waste Storage Area are presented in Table 3 and shown on Figure 3.

Versaire Hazardous Waste Storage Shed Pre-Closure Sampling Results

Location	Number of Samples		of Detect ncentrati (ppm)	
Versaire Hazardous Waste Storage Shed Concrete Samples:				
Floor within the Northern Containment Area	3 .		< 0.5	
Walls of Northern Containment Area	1		< 0.5	
Floor within the Southern Containment Area	3	0.6 J	to	1.4 J
Walls of Southern Containment Area	5 .	0.57 J	to	274 J

#### Notes

- 1. <= PCBs were not detected at a concentration exceeding the indicated laboratory detection limit.
- 2. J = Indicates an estimated concentration.
- 3. Concrete sampling was conducted in accordance with the PCB sampling methods specified in 40 CFR 761 Subpart O.
- 4. Laboratory analysis for PCBs was conducted by Scilab of Latham, NY using USEPA SW-846 Method 8082.

During the initial sampling activities in the Versaire Hazardous Waste Storage Shed, 3 concrete samples were collected from the floor within each containment area, and one concrete sample was collected from the western wall within each containment area. As indicated above, PCBs were not detected at concentrations exceeding the laboratory detection limit in any of the concrete core samples collected from the floor or wall of the Versaire Hazardous Waste Storage Shed northern containment area. PCBs were detected at estimated concentrations ranging from 0.6 ppm to 1.4 ppm in the floor samples collected from the southern containment area. PCBs were also detected in the concrete wall sample collected from the southern containment area at an estimated concentration of 84 ppm. Based on the analytical results obtained from the laboratory analysis of the concrete wall sample collected in the southern containment area, an additional concrete sample was collected from each wall of the southern containment area and submitted for laboratory analysis for PCBs. Analytical results obtained for the analysis of the additional concrete wall samples indicated the presence of PCBs at estimated concentrations ranging from 0.57 ppm to 274 ppm. Based on the guidelines outlined in 40 CFR 761.61, the concrete walls and floor of the containment areas are classified as porous surfaces in low occupancy areas. The USEPA TSCA regulations presented in 40 CFR 761.61 (a)(4)(I)(B) establish a 25 ppm cleanup criteria for porous surfaces in low occupancy areas. However, NMPC elected to utilize the more conservative 10 ppm cleanup objective for subsurface soil presented in the NYSDEC document entitled "Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels," HWM-94-4046 (TAGM 4046), dated January 24, 1994, as the cleanup criteria for concrete in restricted access areas of the TSDF. Analytical results for the pre-closure concrete samples collected in the Versaire Hazardous Waste Storage Shed are presented in Table 3 and shown on Figure 4.

#### Outdoor Tank Facility Pre-Closure Sampling Results

Location	Number of Samples	Range of PCB Concentrations Detected (ppm)		
Outdoor Tank Facility Concrete Samples:				
Truck Loading/Unloading Pad Floor	3 .	< 0.5		
Truck Loading/Unloading Pad Walls	1	< 0.5		

#### Notes:

- 1. <= PCBs were not detected at a concentration exceeding the indicated laboratory detection limit.
- 2. Concrete sampling was conducted in accordance with the PCB sampling methods specified in 40 CFR 761 Subpart O.
- 3. Laboratory analysis for PCBs was conducted by Scilab using USEPA SW-846 Method 8082.

As indicated in the table above, none of the concrete core samples collected from the Outdoor Tank Facility contained PCBs at concentrations exceeding laboratory detection limits. Analytical results for the pre-closure concrete samples collected for the Outdoor Tank facility are presented in Table 3 and shown on Figure 5.

#### 1.4 Regulatory Criteria/Guidance

This subsection presents applicable regulatory criteria/guidance which was used to establish the TSDF closure objectives. The following regulatory requirements were identified as potentially applicable to the TSDF closure activities:

Regulation	Торіс
40 CFR 260-267 (RCRA)	USEPA Hazardous Waste Management Regulations
40 CFR 761 (TSCA)	USEPA regulations for Handling, Treatment, Storage, Transportation, and Disposal of PCB- Containing Materials
29 CFR 1910 and 1926	Occupational Safety and Health Administration (OSHA) Regulations
6NYCRR Part 364	New York State Waste Transporter Regulations
6NYCRR Part 371	New York State Regulations for Identification and Listing of Hazardous Wastes
6NYCRR Part 372	New York State Hazardous Waste Manifest System and Related Standards for Generators, Transporters, and Disposal Facilities
6NYCRR Part 376	New York State Land Disposal Restrictions

Potentially applicable guidance which was used to further clarify appropriate objectives for the TSDF closure activities at the North Albany Service Center include the following:

- The hazardous waste identification guidelines presented in the NYSDEC document entitled "Technical and Administrative Guidance Memorandum (TAGM): 'Contained-In' Criteria for Environmental Media," HWM-92-3028 (TAGM 3028), dated November 30, 1992;
- Soil cleanup objectives presented in the NYSDEC document entitled "Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels," HWM-94-4046 (TAGM 4046), dated January 24, 1994;
- Underwriters Laboratories Standard UL 142 tank integrity inspection guidelines which were utilized to evaluate whether the PCB-contaminated oil storage tank was suitable for continued use; and
- New York Ambient Water quality standards and guidance values presented in the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) document entitled "Ambient Water Quality Standards and Guidance Values and Ground-Water Effluent Limitations," (TOGS 1.1.1) dated June 1998.

USEPA/NYSDEC regulations and guidelines which were determined to be applicable to PCB-impacted concrete structures identified by the TSDF closure activities are discussed below.

### Toxic Substance Control Act - PCBs Regulations (40 CFR Part 761)

In accordance with 40 CFR 761 (which includes the Mega-Rule provisions promulgated during August 1998), the concrete floor structures of the Transformer Shop, the Outdoor Tank Facility, the Versaire Hazardous Waste Storage Shed, the Truck Dock, and the Machine Shop are classified as porous surfaces. With the exception of the Versaire Hazardous Waste Storage Shed containment areas and the Truck Dock floor slab and walls, the concrete structures are classified as high occupancy (i.e., unrestricted access) areas based on the typical time per year NMPC workers may spend within the areas. The USEPA regulations present specific requirements for the continued use of PCB- containing porous surfaces and for the removal of PCB-impacted concrete. As outlined in 40 CFR 761.30(p), a porous surface impacted by a spill containing PCBs at concentrations exceeding 50 ppm may be utilized for the remainder of its useful life ('continued use') provided that the source of PCBs is removed, the surface is cleaned, the surface is coated with two layers of solvent resistant and water repellant coating, and the coated surface is properly labeled. However, any future changes in the site or removal of the concrete can only be conducted in accordance with the PCB remediation waste disposal requirements presented in 40 CFR 761.61(a)(4)(I). In accordance with the PCB remedial waste disposal requirements, PCB-impacted porous surfaces in high occupancy areas shall be removed to levels less than or equal to 1 ppm (without further conditions) or to a level less than or equal to 10 ppm when a concrete cap with a minimum thickness of 6 inches is applied in conjunction with implementing a deed notification to inform prospective buyers of the presence of residual PCBs. In accordance with the USEPA cleanup criteria for PCBs in low occupancy (i.e., restricted access) areas [as outlined in 40 CFR 761.61(a)(4)(I)(B)], a 25 ppm cleanup level is applicable for concrete surfaces in the Versaire Hazardous Waste Storage Shed containment areas and in the concrete floor slab and walls of the recessed Truck Dock. However as previously discussed, NMPC utilized the more conservative 10 ppm cleanup objective for subsurface soil presented in NYSDEC TAGM 4046 as the cleanup criteria for concrete in restricted access areas of the TSDF.

Technical and Administrative Guidance Memorandum: 'Contained-In' Criteria for Environmental Media, Memorandum 3028 (TAGM 3028), dated November 30, 1992.

NYSDEC TAGM 3028 presents the "contained-in" policy for residual hazardous waste within environmental media. The minimum cleanup criteria presented in TAGM 3028 must be met in order to preclude management of the PCB-impacted concrete as a hazardous waste. In accordance with TAGM 3028, the PCB cleanup requirements in 40 CFR 761 and the recommended NYSDEC cleanup criteria presented in TAGM 4046 are the most applicable cleanup criteria for the TSDF closure activities at the North Albany Service Center.

## 1.5 TSDF Closure Objectives

The main objective of the TSDF closure activities was to obtain final closure status for the North Albany Service Center TSDF. Based on the applicable criteria listed above, the pre-closure sampling results, and the TSDF Closure Plan (Revision 4.0 - January 2000), specific TSDF closure objectives included the following:

- Removing and disposing of the TSDF hazardous waste inventory present at the time of closure;
- Decontaminating waste storage and handling areas (including containment areas in the Versaire Building and the
  truck loading/unloading pad), waste handling equipment (including the oil transfer pump and the associated
  piping), and the PCB-contaminated oil storage tank (Tank No. 373-01). Following closure of the TSDF, the
  North Albany Service Center will operate as a less-than-90 day hazardous waste storage facility with large
  quantity generator status; and
- Addressing PCBs identified in concrete within the Transformer Shop, Versaire Hazardous Waste Storage Shed, Truck Dock area, and Machine Shop (as identified by the pre-TSDF closure sampling activities and subsequent verification/characterization sampling conducted in connection with the closure activities).

The action limits utilized for PCBs, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and inorganic constituents during the TSDF closure activities are listed in Table 1. The action limits for VOCs, SVOCs, and inorganic constituents were applied to rinse water generated by cleaning activities conducted as part of the TSDF closure (i.e., to verify the effectiveness of cleaning activities). The 10 ppm PCB action limit for porous surfaces located in restricted access areas was applied to the recessed containment areas in the Versaire Hazardous Waste Storage Shed, the concrete floor and walls of the Truck Dock area, and soil underlying the

concrete floor slab in the Transformer Shop. The 1 ppm PCB action limit for porous surfaces in high occupancy areas was utilized for concrete surfaces inside the Transformer Shop, Outdoor Tank Facility, Versaire Hazardous Waste Storage Shed, and Machine Shop.

## 2. Initial TSDF Closure Activities

#### 2.1 General

This section presents a task-by-task description of the initial TSDF closure activities that were conducted to achieve permanent closure of the hazardous waste storage units located at the NMPC North Albany Service Center. The initial TSDF closure activities included the following:

- Mobilization/Site Preparation;
- Removal of PCB-impacted concrete and soil from the Transformer Shop Hazardous Waste Storage Area;
- Cleaning PCB transfer equipment within the Transformer Shop;
- Cleaning the PCB-impacted oil storage tank system;
- Cleaning the Truck Loading/Unloading Pad for the Outdoor Tank facility;
- Cleaning the Flammables Storage Cabinet and the Corrosives Storage Cabinet;
- Removing PCB-Impacted concrete from the Versaire Hazardous Waste Storage Shed;
- Cleaning the Versaire Hazardous Waste Storage Shed;
- Restoring the concrete removal areas in the Versaire Hazardous Waste Storage Shed;
- Applying a chemically-resistant floor coating system in the Versaire Hazardous Waste Storage Shed; and
- Cleaning PCB transfer equipment within the Versaire Hazardous Waste Storage Shed.

Prior to implementing the TSDF closure activities at the North Albany Service Center, hazardous waste that was present at the site was transported off-site for disposal by NMPC in accordance with applicable regulations. NMPC retained AAA Environmental, Inc. (AAA) to implement the TSDF closure activities based on competitive bidding. The TSDF closure activities conducted by AAA were documented by an on-site observer from BBL. Daily field reports prepared by BBL's on-site observer are included in Appendix B.

As part of the initial TSDF closure activities, BBL collected PCB wipe samples, rinsate samples, and concrete core samples to confirm that the TSDF closure objectives were attained for specific closure activities. Analytical results for final verification samples collected in connection with the initial TSDF closure activities were reviewed by BBL's data validation staff. Data validation reports for verification samples collected as part of the initial TSDF closure activities are presented in Volumes II & III of this TSDF Closure Certification Report. A discussion of mobilization/site preparation activities is presented below, followed by a detailed description of the closure activities implemented in the Transformer Shop Hazardous Waste Storage Area, the Outdoor Tank Facility, and the Versaire Hazardous Waste Storage Shed.

#### 2.2 Mobilization

Prior to beginning the initial TSDF closure activities, AAA completed the following mobilization and site preparation activities:

- Preparing a Site Management Plan, a Site-Specific Health and Safety Plan (HASP), an Emergency Preparedness
  and Contingency Plan, and a Decontamination Plan for work to be completed in connection with the closure
  activities;
- Mobilizing personnel, equipment, materials, and supplies to the site. Equipment which was utilized during the initial TSDF closure activities included a vacuum truck, skid steer ("bobcat"), pressure washer, generator, compressor, jackhammer, polyethylene storage tanks, road and demolition saws, scissors lift, forklift, backhoe, rotary hammer drill, and various hand and power tools;
- Constructing remediation support areas including staging areas, on-site storage areas, a temporary negative air pressure enclosure, and a temporary equipment and material decontamination area; and

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• Installing temporary access controls to restrict access of unauthorized persons to the work area (i.e., appropriate signs and caution tape, etc.).

#### 2.3 Transformer Shop

Initial TSDF closure activities conducted within the Transformer Shop consisted of removing concrete and soil within the Transformer Shop Hazardous Waste Storage Area and cleaning equipment located in the Transformer Shop which had been used to handle PCB materials. A detailed description of the initial TSDF closure activities conducted within the Transformer Shop is presented in the subsections below.

#### 2.3.1 Transformer Shop Hazardous Waste Storage Area Concrete Floor Removal

The Transformer Shop Hazardous Waste Storage Area consisted of an approximately 300 square foot (ft²) bermed area with a 6-inch thick concrete pad that was poured over the existing 6-inch thick Transformer Shop floor slab. The Hazardous Waste Storage Area was surrounded by an approximately 12-inch high, 10-inch thick concrete berm that provided secondary containment. Access to the Hazardous Waste Storage Area was restricted by an approximately 6-foot chain link fence that extended from the top of the berm surrounding the area. Based on the laboratory analytical results for the pre-closure concrete samples collected from the Hazardous Waste Storage Area, the entire thickness of the concrete floor (12 inches) within the berm was removed for off-site disposal as a TSCA-regulated waste. In addition, approximately 6 inches of soil was removed from beneath the concrete slab for off-site disposal as a TSCA-regulated waste. Based on the pre-closure sampling results, NMPC did not originally anticipate that the concrete berms would require removal as part of the TSDF closure activities. Limits of concrete removal in the Transformer Shop Hazardous Waste Storage Area during the initial TSDF closure activities are shown on Figure 6. The concrete removal activities are described in the subsections below.

#### **Dust Control Measures**

Prior to implementing concrete removal activities, AAA constructed a temporary dust enclosure around the proposed concrete floor removal area. The enclosure was constructed of polyethylene sheeting and wood. A negative air pressure environment was created inside the dust enclosure using blowers vented to the outside of the Transformer Shop through High Efficiency Particulate Air (HEPA) filtration units. The negative pressure environment was created to minimize the migration of concrete dust/debris outside of the enclosure during the concrete floor removal activities.

#### Concrete Removal

Following construction of the temporary dust enclosure around the Transformer Shop Hazardous Waste Storage Area, concrete floor removal activities were initiated. The concrete floor was saw cut to full depth (approximately 12 inches) around the perimeter of the Hazardous Waste Storage Area inside of the concrete berms using a concrete road saw. During the concrete cutting activities, the saw blade was continuously wetted with water to minimize dust generation. Washwater was collected with a wet vacuum and containerized in 55-gallon drums prior to being transferred to a polyethylene storage tank for off-site disposal.

Following saw cutting activities, the concrete floor was demolished into 12- to 24-inch pieces using pneumatic jack hammers. Water was applied to the chisel head of the jack hammer during the demolition activities to reduce the generation of dust. The demolished pieces of concrete floor were hand loaded within the dust enclosure into the bucket of a Bobcat front-end loader and then transferred to lined rolloff waste containers staged outside of the Transformer Shop. During transport between the Hazardous Waste Storage Area and the rolloff waste containers, the bobcat bucket was covered with polyethylene sheeting to minimize the loss of demolished concrete debris.

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Upon completion of the concrete floor removal activities, 6 inches of underlying soil beneath the concrete slab was excavated and placed in lined rolloff waste containers staged outside of the Transformer Shop. During transport between the Hazardous Waste Storage Area and the rolloff containers, the bobcat bucket was covered with polyethylene sheeting to minimize the loss of excavated soil.

#### Air Monitoring

During the floor removal activities, ambient air samples were collected within the worker breathing zone inside the enclosure, and from areas outside of the enclosure, in order to monitor airborne PCB and silica levels generated by the closure activities. The samples were collected over a 4.5-hour sampling period for samples NM-AIR-1 and NM-AIR-2 (analyzed for PCBs) and over a 7 hour period for air samples NM-AIR-4 and NM-AIR-5 (analyzed for silica). The air monitoring samples were submitted to Galson Laboratories, Inc. (Galson) for analysis using National Institute for Occupational Safety and Health (NIOSH) Methods. The air monitoring results were converted to an 8-hour time weighted average (TWA) basis for comparison with Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELs). PCBs were not detected at concentrations exceeding laboratory detection limits in either of the air samples collected during the initial TSDF closure activities. PELs were calculated for airborne dust concentrations based on the percentage of silica found in the air samples. Based on the analytical results, ambient dust levels within the enclosure during the work activities exceeded the OSHA PEL (dust concentration of 1.3 mg/m³ with a PEL of 0.41 mg/m³). During the concrete removal activities, workers in the enclosure utilized NIOSH-certified air purifying respirators and Level C personal protective equipment (PPE). Dust concentrations outside of the enclosure did not exceed laboratory detection limits. Air monitoring results are presented in Table 4.

#### **Verification Sampling**

Following concrete removal, four pulverized concrete verification samples were collected for PCB analysis at the limits of the concrete floor removal activities. One verification concrete sample was collected from the 6-inch thick concrete Transformer Shop floor slab below each of the four berm walls that surrounded the Hazardous Waste Storage Area to determine if PCBs were present at concentrations exceeding the 1 ppm cleanup objective for porous surfaces in high occupancy areas. The concrete verification sampling locations are shown on Figure 6. Verification soil samples were also collected following the removal of underlying soil beneath the concrete floor within the Hazardous Waste Storage Area to determine if PCBs were present at concentrations exceeding the 10 ppm cleanup objective for subsurface soil. Three verification soil samples were collected at locations which were evenly distributed across the Transformer Shop Hazardous Waste Storage Area (sampling locations are shown on Figure 6).

Laboratory analytical results for the initial verification concrete samples indicated that PCBs were present in two of samples (NM-TSHWA-VC3 and NM-TSHWA-VC4) at concentrations exceeding the 1 ppm PCB cleanup criteria for porous materials in unrestricted access areas (PCBs were detected at a concentration of 2.2 ppm in both samples). Based on the results of the initial verification concrete samples, two additional concrete samples were collected outside of the Hazardous Waste Storage Area berm wall (at locations that were as close as reasonably accessible to the verification concrete samples exhibiting elevated PCB concentrations) and submitted for laboratory analysis for PCBs. Laboratory analytical results for the additional verification concrete samples (NM-TSHWA-VC5 and NM-TSHWA-VC6) indicated the presence of PCBs at concentrations of 4.5 ppm and 80 ppm (respectively). Based on the analytical results obtained for the analysis of the concrete samples collected outside of the bermed Hazardous Waste Storage Area, NMPC elected to further characterize the presence of PCBs within the Transformer Shop concrete floor (as discussed in detail in Section 3 of this Closure Certification Report). Pending the additional characterization activities, the concrete floor removal area was covered with polyethylene sheeting. The concrete berm wall cleaning activities described in the Closure Plan were not necessary because the berm walls were demolished as part of the additional concrete floor removal activities as discussed in detail in Section 4 of this

Closure Certification Report. The additional floor Analytical results for the verification soil samples indicated that PCBs were not detected in soil at the limits of the soil removal activities at concentrations exceeding the 10 ppm cleanup objective. Verification concrete and soil sampling results are listed in Tables 5 and 6 (respectively) and shown on Figure 6.

#### 2.3.2 Decontamination of Transformer Shop Transfer Equipment

Decontamination activities were conducted for equipment located in the Transformer Shop that was used to handle PCB-containing materials. The specific equipment that was cleaned included a hydraulic drum crusher and an overhead crane. Both pieces of equipment were cleaned using a triple wash/rinse procedure which consisted of scrubbing the equipment three times with an industrial cleaner/degreaser (Bio-Might 100). Following each scrubbing, the equipment was thoroughly rinsed with potable water using a high-pressure spray. The rinsate from the cleaning activities was collected and placed in a polyethylene tank prior to off-site disposal.

On March 29, 2000, BBL collected verification wipe samples from the surfaces of the hydraulic drum crusher and the overhead crane hook. One verification wipe sample was collected from the overhead crane hook (NM-TSTE-VW1) and two samples were collected from the hydraulic drum crusher (NM-TSTE-VW2 and NM-TSTE-VW3 from the base and top of the drum crusher, respectively). The verification wipe samples were submitted for laboratory analysis for PCBs. Analytical results for the laboratory analysis of the wipe samples are summarized in Table 7. Analytical results indicated that PCBs were not detected in the wipe samples at concentrations exceeding the decontamination standard of  $10 \,\mu\text{g}/100 \,\text{cm}^2$  for unrestricted use of non-porous surfaces as presented in 40 CFR 761.79(b)(3)(I)(A).

#### 2.4 Outdoor Tank Facility

The TSDF closure activities implemented for the Outdoor Tank Facility included the following:

- Decontaminating the PCB-contaminated oil storage tank, associated pumps and appurtenances, and the secondary containment basin; and
- Cleaning the Outdoor Tank Facility Truck Loading/Unloading Pad.

A detailed description of the TSDF closure activities conducted for the PCB-contaminated oil storage tank and the truck loading/unloading pad are presented below.

#### 2.4.1 PCB-Contaminated Oil Storage Tank System

The TSDF closure activities for the PCB-contaminated oil storage tank system consisted of cleaning the 10,000-gallon PCB-contaminated oil storage tank (Tank 373-01) and the containment basin surrounding the tank as well as cleaning oil pumps, piping, and appurtenances associated with the PCB-contaminated oil storage tank. The PCB-contaminated oil storage tank cleaning activities were conducted in accordance with the PCB decontamination requirements presented in 40 CFR 761.79. Following completion of the tank cleaning activities, the storage tank was inspected by Quality Inspection Services, Inc. (QIS) (in accordance with the American Petroleum Institute Standard 653) to determine whether the tank were in adequate structural condition for continued use. A copy of QIS's Tank Inspection Report for the PCB-contaminated waste oil storage tank is included as Appendix C. The decontamination and inspection activities conducted for the oil storage tank and associated equipment are described below.

#### Initial Oil and Sediment Removal

Prior to the tank decontamination activities, an NMPC waste disposal vendor removed the PCB-contaminated oil inventory from the tank and transported the oil for off-site disposal as a hazardous waste (waste code B002). The tank was then vented and the interior atmosphere was tested for flammable/explosive vapors with a four gas lower explosive limit (LEL) meter. Following venting activities, AAA conducted confined space entry into the tank and removed approximately 500 pounds of oily sediment from the bottom of the tank. The material was placed in a 55-gallon drum for disposal as a TSCA-regulated hazardous waste at the Chemical Waste Management (CWM) landfill in Model City, New York.

#### Pump and Associated Piping Cleaning

After completing the initial oil and debris removal from the PCB-contaminated oil storage tank, AAA cleaned the surfaces of waste oil transfer pumps (located in the Transformer Shop), the pipe couplings located at the Truck Loading/Unloading Pad, and associated drip pans. AAA also flushed the pump and piping that was used to transfer waste oil to and from the PCB-contaminated oil storage tank. Cleaning and flushing activities consisted of the following:

- Cleaning the outside of three oil transfer pumps (including the PCB-contaminated waste oil pump) and associated drip pans located in the Transformer Shop;
- Flushing the PCB-contaminated waste oil pump and piping which was used to transfer waste oil containing PCBs at concentrations greater than 50 ppm between the Transformer Shop and the PCB-contaminated oil storage tank located in the Outdoor Tank Facility. The PCB-contaminated waste oil pump and piping were flushed using 800 gallons of virgin mineral oil (in which PCBs are readily soluble);
- Cleaning the outside of the four pipe couplings and associated drip pans located at the Truck Loading/Unloading Pad; and
- Flushing the pipe that was used to transfer PCB-contaminated waste oil between trucks within the Truck Loading/Unloading Pad and the PCB-contaminated oil storage tank (using 200 gallons of virgin mineral oil).

AAA cleaned the surfaces of each of the pumps, pipe couplings, and drip pans using the triple wash and rinse procedure. The surfaces of the pumps, couplings, and drip pans were soaked with an industrial cleanser (i.e., Bio-Might 100), scrubbed with brushes, and rinsed with hot water using a pressure washer. This process was repeated three times until there were no visible traces of debris or staining on the surfaces of the drip pans. The solid decontamination materials (e.g., cleaning brushes, rags, etc.) were placed into 55-gallon drums for appropriate offsite disposal. The pump and sections of piping used in the transfer of PCB-contaminated waste oil were flushed, and the mineral oil was removed from the PCB-contaminated tank using a vacuum truck and transferred into appropriate containers for potential reuse. After the cleaning activities were completed, a total of six verification wipe samples were collected from the pumps and drip pans (NM-TSPUMP-VW1 through NM-TSPUMP-VW4 and NM-PUMPAN-VW1 and NM-PUMPAN-VW2) and submitted for laboratory analysis for PCBs. Analytical results obtained for the laboratory analysis of the wipe samples are summarized in Table 7.

Analytical results indicated that PCBs were present at an estimated concentration of 3 µg/cm² in wipe sample NM-TSPUMP-VW1 (collected from the exterior surface of the PCB-contaminated waste oil pump located in the Transformer Shop). The detected PCB concentration for wipe sample NM-TSPUMP-VW-1 does not exceed the decontamination standard of 10 µg/100 cm² for unrestricted use of non-porous surfaces as presented in 40 CFR

761.79(b)(3)(I)(A). PCBs were not detected in any of the other verification wipe samples collected from the pumps and drip pans.

#### PCB-Contaminated Oil-Storage Tank Cleaning

After flushing the pumps and associated piping, the PCB-contaminated oil storage tank was flushed three times with mineral oil. AAA used a minimum mineral oil volume of ten percent of the storage tank capacity for each tank flushing (approximately 1,000 gallons). Mineral oil was sprayed into the tank via a manway hatch located at the top of the tank (with solvent contacting the sides and top of the tank to the extent possible). Following each flushing cycle, the solvent was removed from the tank using a vacuum truck and field tested with a Clor-N-Oil test kit to determine if the PCB concentration in the oil exceeded 50 ppm. Based on the results of field testing (which indicated that PCBs were not present in the mineral oil at concentrations exceeding 50 ppm following each tank flushing) the solvent was reused for all three flushing cycles.

Following the tank flushing activities, AAA conducted confined space entry into the tank to remove residual sludge and solid material that had collected on the bottom of the storage tank (to the extent possible) using squeegees and other mechanical means. Prior to conducting the confined space entry, the atmosphere inside the tank was tested using a four-gas meter. After removing residual sludge and solid material, the inside of the storage tank was rinsed with hot water and steam, cleaned with an industrial cleaner/degreaser (i.e., Bio-Might 100), and then rinsed again with hot water and steam. After cleaning the inside of the storage tank, AAA cleaned the exterior of the tank using an industrial cleaner/degreaser. Waste materials and residue generated by the tank cleaning activities were collected and placed in appropriate containers for transportation and off-site disposal.

After the cleaning activities were completed, a total of three verification wipe samples were collected from the interior surfaces of the tank (NM-37301-VW1 through NM-37301-VW3) and four verification wipe samples were collected from the exterior surfaces of the tank (NM-E37301-VW1 through NM-E37301-VW4). Analytical results for the laboratory analysis of the wipe samples are summarized in Table 7. PCBs were not detected at concentrations exceeding laboratory detection limits in any of the verification wipe samples collected from the interior or exterior tank surfaces.

#### Secondary Containment Basin Cleaning

Following completion of the PCB-contaminated oil storage tank cleaning activities, the interior surfaces of the metal secondary containment basin that surrounds the tank were cleaned in accordance with the TSDF Closure Plan using a triple wash and rinse procedure. Cleaning activities consisted of covering the entire surface of the interior floor and walls of the secondary containment basin with an industrial cleaner/degreaser (i.e., Bio-Might 100) and scrubbing the surfaces with brushes. After scrubbing the floor and wall surfaces, the containment area was rinsed with hot water using a pressure washer. This process was repeated three times until there were no visible traces of debris or staining on the surfaces of the containment basin. Solid decontamination materials (including cleaning brushes, rags, etc.) were placed into 55-gallon drums for appropriate off-site disposal. Liquid decontamination materials (washwater) were removed using a vacuum truck and transferred into a polyethylene tank for appropriate off-site disposal.

After the cleaning activities were completed, a total of three verification wipe samples were collected from the interior surfaces of the secondary containment basin (NM-373SCT-VW1 through NM-373SCT-VW3). Analytical results for the laboratory analysis of the wipe samples are summarized in Table 7. Analytical results indicated that PCBs were not detected at concentrations exceeding the laboratory detection limits in any of the verification wipe samples collected from the interior surfaces of the secondary containment basin.

#### PCB-Contaminated Oil Storage Tank Inspection

Following completion of the PCB-contaminated oil storage tank cleaning activities, the tank was inspected by an American Petroleum Institute- (API-) certified inspector from QIS. The tank inspection consisted of visually inspecting the tank's interior/exterior surfaces for cracks, deformations, leaks, etc., and conducting ultrasonic testing to measure the thickness and the variability in thickness of the tank walls. As summarized in the tank inspection report included as Appendix C, QIS concluded that the tank was fit for continued use as an oil storage tank based on Underwriters Laboratory Standard UL 142. NMPC currently plans to utilize the tank for the future storage of non-hazardous waste oil.

#### 2.4.2 Truck Loading/Unloading Pad

The concrete Truck Loading/Unloading Pad adjacent to the Outdoor Tank Facility was also cleaned using the triple wash and rinse procedure outlined in the TSDF Closure Plan. Decontamination activities consisted of scrubbing the entire truck pad three times with an industrial cleaner/degreaser (Bio-Might 100) and thoroughly rinsing the pad between each cleaning cycle with potable water using a high-pressure spray. The rinsate from the cleaning activities was collected and placed in a polyethylene tank prior to disposal.

Following cleaning, verification rinse samples were collected to confirm that the surface of the truck pad had been thoroughly cleaned. Two verification rinsate samples (NM-OTFTP-VR1 and NM-OTFTP-VR2) were collected using the sampling method described above for the Flammables and Corrosives Storage Cabinets. The rinsate samples were submitted for laboratory analysis for PCBs, VOCs, SVOCs, and RCRA metals. Analytical results for the laboratory analysis of the rinsate samples are summarized in Table 8. Analytical results indicate that PCBs, SVOCs, and RCRA metals were not detected at concentrations exceeding laboratory detection limits in either of the rinsate samples. 2-Butanone and chloroform were detected at concentrations of 20 parts per billion (ppb) and an estimated concentration of 1 ppb (respectively) in rinsate sample NM-OTFTP-VR1 and carbon disulfide was detected at a concentration of 12 ppb in rinsate sample NM-OTFTP-VR2. Class GA ambient water quality standards and guidance values presented in TOGS 1.1.1 for 2-Butanone and chloroform are 50 ppb and 7 ppb (respectively). Class GA Standards and Guidance Values are appropriate for the protection of groundwater as a source for drinking water. No Class GA water quality standard or guidance value is currently available for carbon disulfide.

#### 2.5 Flammables Storage Cabinet and Corrosives Storage Cabinet

Decontamination activities were conducted for the interior and exterior surfaces of the Flammables Storage Cabinet and Corrosives Storage Cabinet located on the loading dock outside the Transformer Shop. The interior and exterior surfaces of the cabinets were cleaned three times with an industrial cleaner/degreaser (Bio-Might 100). Following each cleaning cycle, the cabinets were thoroughly rinsed with potable water using a high-pressure spray. The rinsate from the cleaning activities was collected and placed in a polyethylene tank for off site disposal.

Following cleaning, verification rinsate samples were collected from the interior surfaces of the Flammables and Corrosives Storage Cabinets to confirm that the surfaces had been sufficiently decontaminated. Verification rinsate samples were collected by pouring distilled water on the interior surfaces of the cabinets and collecting the runoff into a sample jar using a pipette. One verification rinsate sample was collected from the Flammables Storage Cabinet (NM-OTFCC-VR1) and submitted for laboratory analysis for VOCs and one rinsate sample was collected from the Corrosives Storage Cabinet (NM-OTFCC-VR1) and submitted for laboratory analysis for pH. Analytical results obtained for the laboratory analysis of the rinsate samples are listed in Table 8. Analytical results indicated that VOCs were not detected in the rinsate sample from the Flammable Storage Cabinet at concentrations exceeding laboratory detection limits. The pH of the rinsate sample from the Corrosives Storage Cabinet was 5.3 standard units (S.U.).

#### Versaire Hazardous Waste Storage Shed

The Versaire Hazardous Waste Storage Shed contains two approximately 300 square foot recessed containment areas (referred to as the northern and southern containment areas). The containment areas are covered with metal grates supported by steel I-beams placed in the bottom of the containment areas. The concrete surfaces of the containment areas are coated with a solvent resistant, water repellant epoxy floor coating. As discussed in Subsection 1.3.3, pre-closure concrete characterization results indicated that PCBs were not present in the northern containment area at concentrations exceeding laboratory detection limits. However, PCBs were detected in concrete samples collected from the western recessed sidewall of the southern containment area at concentrations exceeding the 10 ppm cleanup criteria for restricted access areas. TSDF closure activities for the Versaire Hazardous Waste Storage Shed included removing and restoring a portion of the western berm wall of the southern containment area, applying a new two-layer contrasting color, solvent resistant, water repellant epoxy floor coating within the southern containment area, and decontaminating the northern containment area. A detailed description of the TSDF closure activities for in the Versaire Hazardous Waste Storage Shed are presented in the subsections below.

#### 2.5.1 Southern Containment Area Berm Wall Removal

Prior to conducting concrete removal activities, AAA constructed a temporary dust enclosure around the southern containment area. The enclosure was constructed by placing polyethylene sheeting over wires which were strung across the building support beams. The enclosure was vented to the outside of the building through an existing ventilation fan mounted in the wall of the storage shed. During the concrete removal activities, workers were equipped with NIOSH-certified air purifying respirators and Level C PPE.

The western concrete berm wall in the southern storage area was saw cut approximately 9-inches deep (from the upper floor surface) and 3-inches laterally (into the existing vertical face of the recessed containment area wall) along the entire length of the wall using a self-wetting concrete road saw. As saw cutting of the concrete wall progressed, the washwater was collected with a wet vacuum and containerized in 55-gallon drums for off site disposal. After the saw cutting activities were complete, the concrete wall debris was broken into manageable pieces and containerized for off-site disposal. A total of approximately 1.6 cubic feet of concrete was removed from the western berm wall. The approximate extent of concrete removal from the Versaire Hazardous Waste Storage Shed is shown on Figure 7.

Following removal of concrete from the western recessed wall, verification concrete samples were collected to confirm that PCBs did not remain in the concrete wall at concentrations exceeding the 10 ppm cleanup objective. Four verification concrete samples (NM-VBSW-VC1 through NM-VBSW-VC4) were collected by drilling multiple holes approximately 3-inches deep into the exposed concrete face using a one-inch diameter pulverizing hammer drill bit. The verification concrete samples were submitted for laboratory analysis for PCBs. Analytical results obtained for the laboratory analysis of the verification concrete samples are summarized in Table 5 and shown on Figure 7. Analytical results for the laboratory analysis of the verification samples indicated that PCBs were detected in two of the four verification samples at concentrations up to an estimated 0.55 ppm. PCBs were not detected in any of the samples at concentrations exceeding the 10 ppm cleanup objective.

#### 2.5.2 Southern Containment Area Berm Wall Restoration

After verifying that concrete at the western containment wall did not contain PCBs at concentrations exceeding applicable cleanup objectives, the wall was restored to pre-existing conditions. Prior to pouring the concrete, the exposed face of the western containment wall was given a rough finish using a jack hammer to allow for greater adherence for the new concrete. Temporary wooden form work was installed to help re-establish the pre-existing shape of the recessed containment wall. In addition, a bonding agent was applied to the exposed face of the existing

concrete and steel dowels were installed in the face of the wall to help reinforce the restored section of the containment wall. The new concrete wall segment was then poured to restore the wall to its pre-existing conditions.

#### 2.5.3 Northern Containment Area Decontamination

Following the concrete removal in the southern storage area, the northern containment area was cleaned using the triple wash and rinse procedure outlined in the TSDF Closure Plan. Cleaning activities consisted of scrubbing the entire containment area three times with an industrial cleaner/degreaser (Bio-Might 100) and thoroughly rinsing the pad between each cleaning with potable water using a high-pressure spray. Solid decontamination materials (including cleaning mops, rags, washwater, etc.) were placed into 55-gallon drums for appropriate off-site disposal. Rinsate from the cleaning activities was collected and placed in a polyethylene tank for transportation and off-site disposal. Following the cleaning activities, a verification rinsate sample (NM-VHSEA-VR1) was collected by pouring distilled water on the concrete surface and collecting the runoff into a sample container using a pipette. The verification rinsate sample was submitted to Galson for laboratory analysis for PCBs, VOCs, SVOCs, and RCRA metals. Analytical results obtained for the laboratory analysis of the rinsate sample are presented in Table 8. Analytical results indicate that SVOCs and RCRA metals were not detected in the rinsate sample at an estimated concentration exceeding laboratory detection limits. PCBs were detected in a field duplicate rinsate sample collected from the northern contaminant area at an estimated concentration of 0.04 ppb. In addition, acetone was detected in the verification rinse sample at an estimated concentration of 10 ppb and methylene chloride was detected at an estimated concentration of 3 ppb (and at an estimated concentration of 2 ppb in a field duplicate sample collected from the same location). The detected concentrations of PCBs, acetone, and methylene chloride do not exceed the NYSDEC Groundwater Standards presented in TOGS 1.1.1.

#### 2.5.4 Application of a New Floor Coating System within the Southern Containment Area

After allowing the restored section of the western recessed containment wall to cure for 28 days, a new two-layer contrasting color, solvent resistant, water repellant epoxy floor coating system was applied to the interior surface of the southern containment area. In order to properly apply the new epoxy floor coating system, the surface of the concrete was prepared in accordance with the floor coating manufacturer's specifications. Floor preparation consisted of sand blasting the southern containment area (using Black Beauty® coal slag) in order to remove the previous floor coating system and provide a rough surface to which the new floor coating could adhere. The dust and debris created by the sand blasting activities was containerized in 55-gallon drums for off-site disposal. After removing the pre-existing floor coating system and scarifying the surface of the containment area, a verification rinsate sample (NM-VHSWA-VR1) was collected by pouring distilled water on the scarified concrete surface and collecting the runoff into a sample container using a pipette. The verification rinsate sample was submitted to Galson for laboratory analysis for PCBs, VOCs, SVOCs, and RCRA metals. Analytical results obtained for the laboratory analysis of the rinsate sample are summarized in Table 8. Analytical results indicate that VOCs, SVOCs, and RCRA metals were not detected in the rinsate sample at concentrations exceeding laboratory detection limits. PCBs were detected in the rinsate sample at an estimated concentration of 0.025 ppb. The detected PCB concentration does not exceed the NYSDEC Groundwater Standard presented in TOGS 1.1.1. Following floor preparation and receipt of the laboratory results indicating that chemical constituents were not present in the verification rinsate sample at concentrations exceeding applicable cleanup criteria, the new floor coating system (Sika® 90N) was applied in accordance with manufacturer specifications.

# 2.5.5 Decontamination of Waste Handling Equipment in Versaire Hazardous Waste Storage Shed

Equipment located in the Versaire Hazardous Waste Storage Shed that was used to handle PCB-containing materials (including hand tools, hoses, pipe couplings, a fork lift, and a drum hand truck) was decontaminated as part of the TSDF closure activities. The equipment was cleaned using a triple wash/rinse procedure that consisted of scrubbing

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the equipment three times with an industrial cleaner/degreaser (Bio-Might 100). Following each scrubbing, the equipment was thoroughly rinsed with potable water using a high-pressure spray. The rinsate from the cleaning activities was collected and placed in a polyethylene tank prior to off-site disposal.

On February 9, 2000, BBL collected verification wipe samples from the surfaces of the decontaminated forklift and drum hand truck. Two verification wipe samples were collected from the fork lift (NM-VBTE-VW1 and NM-VBTE-VW2 from the blade and operator deck, respectively) and one sample was collected from the drum hand truck (NM-VBTE-VW3). The verification wipe samples were submitted for laboratory analysis for PCBs. Analytical results obtained for the laboratory analysis of the wipe samples are summarized in Table 7. Analytical results indicate that PCBs were not detected in the wipe samples at concentrations exceeding the  $10 \mu g/100 \text{ cm}^2$  decontamination standard for unrestricted use of non-porous surfaces as presented in 40 CFR 761.79(b)(3)(I)(A).

## 3. Concrete and Soil Characterization

#### 3.1 General

As discussed in Subsection 2.3.1, analytical results obtained for the laboratory analysis of verification concrete samples collected from the Transformer Shop floor slab (outside of the bermed Transformer Shop Hazardous Waste Storage Area) following the initial TSDF closure activities indicated the presence of PCBs at concentrations exceeding the 1 ppm cleanup criteria for porous materials in an unrestricted access area. Based on the presence of PCBs in the concrete floor outside of the bermed Hazardous Waste Storage Area, additional concrete core samples were collected to characterize the extent of PCBs within the Transformer Shop floor slab. Sampling activities were conducted during several site visits in order to complete the delineation of PCBs in concrete at concentrations exceeding 1 ppm. Based on the analytical results obtained for the Transformer Shop floor slab samples, additional sampling activities were also implemented to delineate the extent of PCBs within concrete surfaces in a Machine Shop and Truck Dock area adjacent to the Transformer Shop. In addition, soil borings were completed to evaluate the geotechnical properties of the soil beneath the Transformer Shop and Truck Dock floor slabs and to facilitate collection of soil samples to determine if PCBs were present in soil beneath the concrete floor slab. A discussion of the concrete and soil sampling activities is presented below, followed by a summary of the results.

#### 3.2 Concrete and Soil Characterization Sampling

The concrete and soil characterization sampling activities in the Transformer Shop, Machine Shop, and Truck Dock area were conducted during several sampling visits between February 2000 and April 2000 and included the following:

- Collecting pulverized concrete samples to delineate the extent of PCBs in the Transformer Shop floor;
- Collecting pulverized concrete samples to evaluate the presence/extent of PCBs within the floor and walls of the Truck Dock;
- Collecting pulverized concrete samples to evaluate the presence/extent of PCBs within the floor of the Machine Shop;
- Collecting depth-integrated concrete samples at one location on the Truck Dock wall and one location on the Machine Shop floor to obtain information on PCB concentrations at various depth intervals within concrete surfaces (for the purpose of evaluating potential concrete removal options);
- Collecting samples of soil underlying the concrete floor slab within the Transformer Shop and the Truck Dock to evaluate geotechnical properties and determine the presence/absence of PCBs; and
- Collecting one composite concrete sample from the floor of a garage area located adjacent to the Machine Shop
  to delineate the extent of PCBs in the concrete floor in the doorway between the Machine Shop and the garage
  area.

Analytical results obtained for the laboratory analysis of the characterization samples indicated the presence of PCBs in concrete surfaces in the Transformer Shop and Truck Dock area at concentrations exceeding the 1 ppm cleanup objective for porous surfaces in unrestricted access areas. PCBs were also detected in the characterization samples collected from the Truck Dock area at concentrations exceeding the 10 ppm cleanup objective for porous surfaces located in restricted access areas. Analytical results did not indicate the presence of PCBs in soil beneath the floor slab in the Transformer Shop or Truck Dock area at concentrations exceeding applicable cleanup criteria. An analytical sample summary which includes sample identification numbers, analyses performed, sample matrix, and sample date is presented in Table 2. Analytical results obtained for the laboratory analysis of concrete and soil

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samples collected as part of the characterization sampling activities are listed in Tables 9 and 10 and shown on Figure 8 and 9 (respectively). The concrete and soil characterization results are summarized below.

Location	Number of Samples	Range of PCB Concentrations Detected (ppm)
Transformer Shop		
Concrete Floor Samples	48	<0.5 - 110
Soil Beneath Floor Slab	3	<0.6
Truck Dock		•
Concrete Floor Samples	5	7.3 - 77
Concrete Wall Samples	8	<0.5 - 75
Depth Integrated Wall Sample	3	4.3 - 52
Soil Beneath Floor Slab	1 .	1.0
Machine Shop		
Concrete Floor Samples	10	<0.5 - 31
Depth Integrated Floor Sample	3	1.2 - 26

#### Notes:

- 1. Depth integrated samples were collected as discrete samples from depths of 0-1", 1-2", and 2-3" from the top (or face) of the concrete surface (3 depth integrated samples were collected from one sampling location on the Truck Dock wall and 3 depth integrated samples were collected from one sampling location on the Machine Shop floor).
- 2. <= PCBs were not detected at a concentration exceeding the indicated laboratory detection limit.
- 3. Cleanup criteria is 1 ppm for concrete within the Transformer Shop and Machine Shop and 10 ppm for concrete within the Truck Dock and soil beneath the Transformer Shop and Truck Dock floor slab.

Based on the analytical results obtained for the analysis of the concrete characterization samples (and the locations where the samples were collected), the limits of concrete structures containing PCBs at concentrations exceeding applicable cleanup criteria were successfully delineated. Based on the analytical results, additional concrete and soil removal activities were conducted in the Transformer Shop, the Machine Shop, and the Truck Dock area to achieve final closure for the North Albany Service Center TSDF. The additional TSDF concrete and soil removal closure activities included the following:

Location	Removal Activity
Transformer Shop	<ul> <li>Removing the concrete floor slab;</li> <li>Removing an above-grade concrete block wall located between the Transformer Shop and the southern end of the Truck Dock; and</li> <li>Excavating approximately 1 foot of subgrade material underlying the floor slab (conducted to enhance the structural stability of the restored floor slab).</li> </ul>

Location	Removal Activity
Truck Dock	<ul> <li>Removing the concrete floor slab;</li> <li>Removing a portion of the concrete wall;</li> <li>Excavating the railroad tracks and wooden ties beneath the floor slab; and</li> <li>Excavating approximately 24 inches of subgrade material from beneath the floor slab (conducted to enhance the structural stability of the restored floor slab).</li> </ul>
Machine Shop	<ul> <li>Scarifying the concrete floor; and</li> <li>Removing a portion of the concrete floor to the full depth.</li> </ul>

The concrete and soil removal/restoration activities that were implemented in the Transformer Shop, the Machine Shop, and the Truck Dock area are detailed in Section 4.0 of this Certification Report.

## Concrete and Soil Removal/Restoration Activities

#### 4.1 General

This section presents a task-by-task description of the concrete and soil removal/restoration activities that were conducted to address the results of the characterization sampling summarized in Section 3.0 of this document. The concrete and soil removal/restoration activities included the following:

- Mobilization/Site Preparation;
- Removal of PCB-impacted concrete and soil from the Transformer Shop;
- Removal of PCB-impacted concrete and soil from the Truck Dock:
- Scarification/removal of PCB-impacted concrete from the Machine Shop;
- Transformer Shop floor restoration;
- Truck Dock floor and wall restoration:
- Machine Shop floor restoration; and
- Disposal of waste generated by the TSDF closure activities (including the initial TSDF closure activities and the concrete and soil removal/restoration activities).

The concrete and soil removal/restoration activities were conducted by AAA and were observed and documented by an on-site observer from BBL. Daily field reports prepared by BBL's on-site observer are included in Appendix B. A discussion of mobilization/site preparation activities is presented below, followed by a detailed description of the concrete and soil removal/restoration activities implemented in the Transformer Shop, Truck Dock, and Machine Shop.

## 4.2 Mobilization/Site Preparation

Prior to initiating the concrete and soil removal/restoration activities, AAA completed the following mobilization and site preparation activities:

- Revising the existing Site Management Plan, HASP, Emergency Preparedness and Contingency Plan, and Decontamination Plan which were used for the initial TSDF closure activities.
- Remobilizing personnel, equipment, materials, and supplies to the site. Equipment that was utilized during the concrete and soil removal/restoration activities included a vacuum truck, bobcat, front-end loader, excavator, forklift, scissors lift, pressure washer, generator, compressor, jackhammer, polyethylene storage tanks, road and demolition saws, and various hand and power tools;
- Constructing remediation support areas including staging areas, on-site storage areas, a temporary negative air pressure enclosure, a soil dewatering pad, and a temporary equipment and material decontamination area; and
- Installing temporary access controls to restrict access of unauthorized persons to the work area (i.e., appropriate signs and caution tape, etc.).

#### 4.3 Concrete and Soil Removal

Following completion of mobilization/site preparation activities, concrete and soil removal activities were implemented in the Transformer Shop, Machine Shop, and Truck Dock. The extent of the concrete removal activities is shown on Figure 10. The concrete and soil removal activities conducted within the Transformer Shop. Machine Shop, and Truck Dock area are summarized below.

#### 4.3.1 Transformer Shop Concrete and Soil Removal

Based on the results of the characterization sampling summarized in Section 3.0 of this document, the Transformer Shop floor slab and approximately 12 inches of subgrade material underlying the floor slab were removed. The Transformer Shop floor consisted of a 6-inch concrete slab on grade (with the exception of an office area which had an additional 10-inch concrete floor pad poured on top of the existing pad). As discussed in Subsection 2.3.1, the floor within the Transformer Shop Hazardous Waste Storage Area was removed during the initial TSDF closure activities. However, the berm walls surrounding the Hazardous Waste Storage Area remained intact. Based on the analytical results obtained for the laboratory analysis of the concrete characterization samples (which indicated that the majority of the Transformer Shop floor contained PCBs at concentrations exceeding the 1 ppm cleanup criteria), NMPC elected to remove the entire Transformer Shop floor. The limits of the concrete floor removal in the Transformer Shop are shown on Figure 10. The concrete removal activities are described in the subsections below.

#### **Dust Control Measures**

Prior to implementing the concrete and soil removal activities, AAA constructed a temporary dust enclosure around the removal area to minimize the migration of concrete dust/debris. The enclosure was constructed of polyethylene sheeting, wood, and steel cables which were secured to the structural steel members of the Transformer Shop to support the top of the polyethylene dust enclosure. The dust enclosure also surrounded the Truck Dock area and portions of the Machine Shop where additional concrete and soil removal activities were conducted. A negative air pressure environment was created inside the dust enclosure using blowers vented to the outside of the Transformer Shop through HEPA air filtration units. In addition, an air lock was constructed at the overhead door in the Truck Dock using polyethylene sheeting to allow access of equipment while minimizing migration of dust outside of the work area during the concrete/soil removal activities.

#### Concrete/Soil Removal

Following construction of the temporary dust enclosure, concrete floor removal activities were initiated. For the purposes of the TSDF closure activities, portions of the concrete floor which contained PCBs at concentrations exceeding 10 ppm were designated for disposal as TSCA-regulated material and portions of the floor which contained PCBs at concentrations less than 10 ppm were disposed of as non-TSCA regulated waste. The boundary between TSCA and non-TSCA floor removal areas was determined based on the available data obtained from the laboratry analysis of concrete floor samples (as discussed in Section 3.0). The TSCA/non-TSCA boundary was formed by taking the approximate midpoint between the concrete floor sampling locations where PCBs were detected at concentrations exceeding 10 ppm and sampling locations where PCBs were not detected at concentrations exceeding 10 ppm. The portions of the floor which were disposed of as TSCA and non-TSCA waste are indicated on Figure 10.

In order to facilitate removal of the Transformer Shop floor, an approximately 26 foot long by 11 foot high concrete block wall located at the southern end of the Truck Dock (between the Truck Dock and the office area in the southwestern corner of the Transformer Shop) required removal. Prior to removing the block wall, one pulverized concrete sample (NM-TDWLL-C1) was collected from the wall and submitted for laboratory analysis for PCBs. Analytical results obtained for the analysis of the concrete sample indicated that PCBs were present in the block wall at a concentration of 0.21 ppm. The block wall was demolished and placed in lined rolloff waste containers for transportation and off-site disposal as non-TSCA material.

The office floor slab (located in the south western corner of the Transformer Shop) was covered by vinyl floor tile. Prior to removal of the office floor slab, a sample of the tile material was collected and submitted for laboratory analysis for asbestos. Analytical results obtained for the analysis of the tile sample indicated that asbestos was not present in the floor tile.

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After removing the concrete block wall and confirming that the office floor tile did not contain asbestos, the floor slab was saw cut to full depth around the perimeter of the Transformer Shop using a concrete road saw. The road saw was then used to cut the concrete floor into sections using a grid-type pattern across the floor. During the concrete cutting activities, the saw blade was continuously wetted with water to minimize dust generation. Washwater was collected with a wet vacuum and containerized in 55-gallon drums prior to being transferred to a polyethylene tank for storage prior to off-site disposal. The sections of concrete were then removed using a fork lift and broken into more manageable-sized pieces using a hoe ram prior to being staged in the recessed Truck Dock area. AAA then utilized a loader to transfer the concrete from the recessed Truck Dock area to lined rolloff waste containers staged outside of the Transformer Shop. After completing the concrete floor removal activities, approximately 12 inches of soil was excavated from beneath the Transformer Shop floor slab. The excavated soil was staged in the recessed Truck Dock and subsequently transferred to lined rolloff waste containers using a loader.

#### Air Monitoring

During the concrete floor removal activities in the Transformer Shop, two ambient air samples (samples NM-AIR-8 and NM-AIR-10) were collected for laboratory analysis for PCBs, and two ambient air samples (NM-AIR-7, and NM-AIR-9) were collected for laboratory analysis for silica. The samples were collected over an 6-hour sampling period from inside and outside of the dust enclosure. The air monitoring samples were analyzed using NIOSH methods and the results were utilized to calculate an 8-hour TWA concentration. PCBs were not detected at concentrations exceeding laboratory detection limits in either of the air samples collected during the concrete removal activities (from within and outside of the work area enclosure). PELs were calculated for airborne dust based on the percentage of silica in the air samples. Based on the analytical results, the PELs for dust were not exceeded within the enclosure. During the concrete removal activities, personnel within the enclosure were equipped with NIOSH-certified air purifying respirators and Level C PPE. Laboratory results obtained for the air samples indicated that silica was not detected in the sample collected outside of the enclosure. Air monitoring results are presented in Table 4.

#### Soil Verification Sampling

Following completion of the concrete and soil removal activities, sixteen verification soil samples were collected at the limits of the soil removal area and submitted to Galson for laboratory analysis to determine if PCBs were present in the soil at concentrations exceeding the 10 ppm cleanup criteria. The sampling locations were selected in a grid pattern so that one composite soil sample was collected for every approximately 400 square feet of surface area. The soil verification sampling locations are shown on Figure 11.

Analytical results obtained for the laboratory analysis of the initial verification soil samples indicated that PCBs were present in one sample at a concentration exceeding the 10 ppm PCB cleanup criteria (PCBs were detected at a concentration of 14.7 ppm in sample NM-TSOIL-VS13, collected from beneath the former office area in the southwestern portion of the Transformer Shop). Based on the results of the soil verification sample, an additional foot of soil was excavated in the vicinity of the former office and an additional verification soil sample was collected (sample NM-TSOIL-VS13A) for laboratory analysis for PCBs. Analytical results obtained for the analysis of the additional verification soil sample indicated that PCBs were not present at a concentration exceeding the 10 ppm cleanup criteria. Analytical results for the verification soil samples are presented in Table 6 and shown on Figure 11. Analytical results obtained from the laboratory analysis of the verification soil samples were validated by BBL's data validator. Data validation reports for the verification soil samples are included in Volumes II & III of this report.

#### 4.3.2 Truck Dock Concrete and Soil Removal

Based on the results of the concrete characterization sampling activities summarized in Section 3.0 of this document, the entire floor of the Truck Dock and a portion of the 4-foot wall surrounding the recessed Truck Dock area were removed. The limits of the Truck Dock concrete floor and wall removal activities are shown on Figure 10. The Dock floor slab was recessed approximately 4 feet below the floor elevation of the adjacent Transformer Shop floor and consisted of an approximately 10-inch thick concrete slab on grade. The east and west sidewalls of the Truck Dock consisted of poured concrete measuring approximately 4-feet high and 10-inches thick. The northern wall of the Truck Dock consisted of a 4-foot high approximately 3- to 4-foot thick concrete bulk head. Railroad tracks were embedded in the concrete floor slab of the Truck Dock, and wooden ties were present in the subgrade material to support the steel rails. Concrete removal activities within the Truck Dock area consisted of removing concrete surfaces containing PCBs at concentrations exceeding the 10 ppm cleanup criteria for porous surfaces in restricted access areas (including the entire concrete floor and an approximately 46 foot long section of the 4-foot concrete wall from the eastern side and northern end of the Truck Dock). The concrete removal activities are described in the subsections below.

#### **Dust Control Measures**

As described above, AAA constructed a temporary dust enclosure around the concrete floor removal areas (which included the Truck Dock) prior to implementing the concrete removal activities.

#### Concrete and Soil Removal

As previously mentioned, debris generated by the TSDF closure activities which contained PCBs at concentrations exceeding 10 ppm were designated for disposal as TSCA-regulated material. Based on the 10 ppm PCB cleanup objective utilized for the Truck Dock area, all debris generated by the concrete and soil removal activities in the Truck Dock area were disposed of as a TSCA-regulated waste.

The initial concrete removal activities in the Truck Dock area consisted of forming vertical cuts along portions of the 4-foot wall that were designated for removal. The wall sections were then demolished using the ram hoe and the excavator bucket. The concrete wall debris was transferred into lined rolloff waste containers using a front-end loader. Holes were then punctured through the Truck Dock floor using the ram hoe and the floor was removed using the excavator and the ram hoe. In addition, the steel railroad tracks embedded in the concrete floor and wooden ties located beneath the rails were removed using the excavator. The concrete debris, steel rails, and wooden ties were transferred into lined rolloff waste containers for off-site transport and disposal as TSCA-regulated material.

During the concrete floor removal activities, a combination of groundwater and storm water runoff infiltrated the Truck Dock. A visible oil sheen and droplets of separate-phase material were observed on the surface of the water which infiltrated the truck dock. The separate-phase material is believed to be associated with non-TSDF related activities at the site (i.e., former Manufactured Gas Plant [MGP] operations) and will be addressed in the future under an existing Order of Consent between NMPC and the NYSDEC. To the extent possible, AAA pumped water from the Truck Dock into an on-site 20,000-gallon Baker Tank. Following water removal, soil was excavated from the Truck Dock in an effort to reach stable subgrade material. The excavated soil was transferred to a dewatering pad for stabilization prior to being placed into lined rolloff waste containers for transportation and off-site disposal. An average of approximately 24 inches of subgrade material was excavated from beneath the Truck Dock floor slab.

#### Air Monitoring

Based on the presence of separate-phase material on the surface of water which accumulated in the Truck Dock during the floor removal activities (as discussed), two ambient air samples (samples NM-AIR-11 and NM-AIR-12)

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were collected and submitted for laboratory analysis for benzene. The samples were collected over a 4-hour sampling period from inside and outside of the dust enclosure. The air monitoring samples were analyzed using NIOSH methods and the results were used to calculate a 8-hour TWA. Analytical results obtained for the laboratory analysis of the air samples indicated that benzene was not detected in either sample. Air monitoring sample results are presented in Table 4.

#### 4.3.3 Machine Shop Concrete Removal

Based on the results at the concrete characterization sampling activities summarized in Section 3.0 of this document, portions of the floor located in the Machine Shop which contained PCBs at concentrations exceeding 1 ppm were removed (by scarification or full depth removal). The limits of the concrete floor scarification/removal activities in the Machine Shop are shown on Figure 10. A portion of the concrete floor in the Machine Shop consists of a 6-inch concrete slab overlaying subgrade vaults which were formerly utilized in Machine Shop operations. The remainder of the floor consists of a 6-inch concrete slab on grade. Concrete removal activities within the Machine Shop consisted of scarifying approximately 450 square feet of concrete to an average depth of approximately 1 inch below the floor surface and removing three additional areas (totaling approximately 46 square feet) to the full depth of the concrete floor. The concrete floor removal/scarification activities implemented in the Machine Shop are described in the subsections below.

#### **Dust Control Measures**

As described above, AAA constructed a temporary dust enclosure around the concrete floor removal areas (which included the Machine Shop) prior to implementing the concrete removal activities.

#### Concrete Removal/Verification Sampling

Portions of the concrete floor in the Machine Shop which contained PCBs at concentrations exceeding 10 ppm were designated for disposal as TSCA-regulated material and portions of the floor containing PCBs at concentrations greater than 1 ppm but less than 10 ppm were disposed of as non-TSCA regulated material. The portions of the Machine Shop floor which were disposed of as TSCA and non-TSCA waste are indicated on Figure 10.

Laboratory results obtained for depth integrated samples collected from the Machine Shop floor at sampling location NM-TSFLR-C43 (located above one of the subgrade vaults), indicated that PCBs were present at a concentration exceeding 1 ppm at a depth of 2 to 3 inches within the floor slab. Based on the depth integrated sampling results, an approximately 4 square foot area of concrete surrounding sample location NM-TSFLR-C43 was removed to the total depth of the floor. Saw cuts were made around the removal area and the concrete was manually removed. Following removal, the concrete was transferred into lined rolloff waste containers for transportation and off-site disposal.

During attempts to scarify the remaining portion of the Machine Shop floor that contained PCBs at concentrations exceeding 1 ppm, two areas of concrete (one 30 square foot area located in the northern portion of the Machine Shop and one 12-square-foot area located in a garage immediately adjacent to the Machine Shop) crumbled to the total depth of the concrete slab. Based on the presence of the unstable concrete, the full depth of the concrete floor was removed from these areas. Prior to removing the two sections of floor, the concrete road saw was used to cut around the perimeter of the unstable concrete and a jackhammer was used to break the concrete into manageable-sized pieces. The concrete debris was transferred into lined rolloff waste containers for transportation and off-site disposal.

AAA scarified an average of approximately 1-inch of concrete from portions of the Machine Shop floor using a pneumatic jackhammer and a mechanical scrabbler. Scarified concrete debris was manually collected and placed

into 55-gallon drums prior to being transferred into lined rolloff waste containers. Following the removal of each approximately 1/4-inch of concrete (e.g., at 1/4, 1/2, 3/4 and 1 inch) verification concrete samples were collected to determine if PCBs remained in the concrete at concentrations exceeding the 1 ppm cleanup criteria for porous surfaces. Based on the verification sampling, three successive phases of scarification activities were required to achieve the 1 ppm concrete cleanup objective. Following the final scarification pass, verification concrete samples NM-MSFLR-VC7 through NM-MSFLR-VC9 and NM-MSFLR-VC11 were collected and submitted to Galson for laboratory analysis for PCBs. Analytical results obtained for the laboratory analysis of the verification concrete samples collected following the final scarification pass indicated that PCBs were not present at concentrations exceeding the 1 ppm cleanup objective. Verification concrete sampling results are listed in Table 5 and shown on Figure 11. Analytical results obtained from the laboratory analysis of verification concrete samples collected at the final limits of the concrete scarification areas were validated by BBL's data validator. Data validation reports for the verification concrete samples are presented in Volumes II & III of this report.

#### 4.4 Concrete Floor/Wall Restoration

Following completion of the concrete and soil removal activities in the Transformer Shop, Machine Shop, and Truck Dock area, AAA's Subcontractor (Sligo Contracting) restored the concrete to pre-existing conditions. The extent of the concrete restoration activities is shown on Figure 12. The restoration activities conducted within the Transformer Shop, Machine Shop, and the Truck Dock are summarized below.

#### 4.4.1 Transformer Shop Floor Restoration

Approximately 135 cubic yards (CY) of new concrete was placed in the concrete removal areas in the Transformer Shop. The concrete replacement activities conducted as part of the TSDF closure activities in the Transformer Shop consisted of the following:

- Placing and compacting approximately 12 inches of light-weight aggregate (Solite®). The aggregate was placed in a single 12-inch lift and compacted using a 5-ton roller and a walk-behind tamper.
- Placing a 6 mil polyethylene vapor barrier over the compacted backfill in the Transformer Shop and applying water proof tape on all seams.
- Installing steel reinforcement consisting of a grid of #4 rebar at 16 inches on center. The rebar (installed prior to pouring the concrete) was set on bricks so that it sat approximately 2.5 inches above the surface of the lightweight fill material.
- Placing and finishing the concrete floor to the pre-existing grade. The concrete was placed in three separate sections in order to facilitate restoration of expansion/control joints. The first section of concrete was poured on September 9, 2000 (between the northern wall and the northern-most column line). The second section was poured on September 27, 2000 (between the eastern wall and the second column line from the eastern wall). The remaining concrete was placed on September 29, 2000.

As part of the concrete restoration activities, Sligo installed expansion and control joints in the new concrete floor slab. Expansion and control joints were installed concurrently with the concrete placement activities. The joint restoration in the Transformer Shop included approximately 290 feet of expansion joints and 640 feet of control joints (shown on Figure 12). Expansion joint restoration included using a joint filler material (sponge rubber) in the bottom of the joint; applying Sikaflex® 429 primer to the walls of each joint; placing a continuous closed-cell, high-density polyethylene rod on top of the joint filler to act as a bond breaker; sealing the joints with Sikaflex®-1a Elastomeric sealant (which was allowed to cure); and visually inspecting each joint for sealant continuity. Control joint restoration activities included saw cutting a joint space in the new concrete.

Waste materials (i.e., concrete, dust, spent solvent material, rags, daubers, etc.) generated by the concrete restoration activities were placed in appropriate containers for transportation and off-site disposal.

#### 4.4.2 Truck Dock Floor and Wall Restoration

Approximately 33 CY of new concrete was placed in the concrete removal areas in the Truck Dock. The concrete replacement activities conducted as part of the TSDF closure activities in the Truck Dock consisted of the following:

- Placing an approximately 12-inch layer of rip rap followed by a sheet of geotextile fabric and a 6-inch layer of 3-inch diameter stone in the bottom of the Truck Dock to stabilize the wet subgrade material.
- Placing a 6 mil polyethylene vapor barrier over the compacted 3-inch stone.
- Placing and compacting an approximately 6-inch layer of crushed stone on top of the polyethylene sheeting.
- Constructing form work for a concrete sump at the northern end of the Truck Dock. The sump extends across the width of the Truck Dock and measures approximately 18 inches wide by 12 inches deep.
- Installing steel reinforcement consisting of a grid of #4 rebar at 16 inches on center. The rebar (installed prior to pouring the concrete) was set on bricks so that it sat approximately 2.5 inches above the surface of the crushed stone.
- Placing and finishing the concrete floor to the pre-existing grade.
- Installing reinforcement consisting of #5 rebar placed vertically at 16 inches on center for the Truck Dock wall restoration. The rebar was doweled into the existing concrete at the base of the section of the wall to be replaced.
- Constructing and placing form work for the concrete walls.
- Placing and finishing the concrete walls to pre-existing conditions.

Following curing of the concrete, a steel grate was placed over the top of the concrete sump.

As part of the Truck Dock restoration activities, AAA restored expansion and control joints in the new concrete floor slab. The joint restoration in the Truck Dock included approximately 150 feet of expansion joints and 14 feet of control joints (shown on Figure 12). Expansion joint restoration included using a joint filler material (sponge rubber) in the bottom of the joint; applying Sikaflex® 429 primer to the walls of each joint; placing a continuous closed-cell, high-density polyethylene rod on top of the joint filler to act as a bond breaker; sealing the joints with Sikaflex®-1a Elastomeric sealant (which was allowed to cure); and visually inspecting each joint for sealant continuity. Control joint restoration activities included saw cutting a joint space in the new concrete.

Waste materials (i.e., concrete, dust, spent solvent material, rags, daubers, etc.) generated by the concrete restoration activities were placed in appropriate containers for transportation and off-site disposal.

#### 4.4.3 Machine Shop Floor Restoration

The scarified areas of the concrete floor within the Machine Shop were restored using cement-based self-leveling floor topping (Dayton Superior® Levelayer™ III). Based on the Machine Shop floor scarification activities described in Subsection 4.3.2, an approximately 450 square foot area of the Machine Shop floor was coated with the self-

leveling topping to an average depth of 1 inch. A total of approximately 0.8 CY of new concrete was placed in the two areas of the concrete floor located in the northern portion of the Machine Shop which were removed to the full depth of the floor. In addition, a metal plate was installed over the 4 square foot concrete floor removal area located above the subgrade vault (i.e., at concrete sampling location NM-TSFLR-43).

#### 4.5 Waste Management

Waste materials generated by the initial TSDF closure activities and the concrete/soil removal activities were containerized in appropriate waste containers and all materials and equipment utilized for the closure activities were either decontaminated or disposed of off-site. Waste materials generated by the closure activities were transported for off-site disposal by NMPC waste contractors in accordance with applicable regulations. Waste materials generated by the closure activities were transported for off-site disposal at the following waste disposal facilities:

Waste Type	Approximate Quantity Generated	Transporter	Disposal Facility
Non-TSCA Solid Waste	253 Tons	Silvarole Trucking, Inc. and Hazmat Environmental, Inc.	High Acres Landfill Perinton, NY
TSCA Solid Waste	628 Tons	Hazmat Environmental, Inc. and Buffalo Fuel Corporation	Chemical Waste Management Model City, NY
Non-TSCA Waste Water	14,264 Gallons	United Industrial Services	United Oil Recovery, Inc. Meriden, CT
TSCA Waste Water	15,905 Gallons	Freehold Cartage, Inc.	Chemical Waste Management Model City, NY

Copies of the waste manifests for the transportation and off-site disposal of wastes generated by the TSDF closure activities are included in Appendix D.

## 5. Certification Statement

I, David W. Hale, P.E., as a licensed Professional Engineer in the State of New York, hereby certify that the TSDF closure activities conducted at the Niagara Mohawk Power Corporation (NMPC) North Albany Service Center located in Albany, New York were completed in general conformance with the following:

- The TSDF Closure Plan (Revision 4.0 January 2000) included in the 6NYCRR Part 373 Hazardous Waste Management Permit for the North Albany Service Center (prepared by Blasland, Bouck & Lee, Inc. [BBL, January 2000]); and
- A June 14, 2000 letter from NMPC to the New York State Department of Environmental Conservation which presented minor modifications to the TSDF closure activities described in the Closure Plan.

This certification statement is based on BBL's on-site observation during the implementation of the TSDF closure activities. I also certify that, to the best of my knowledge, this Certification Report accurately reflects the TSDF closure activities that were conducted.

David W. Hale, P.E.

New York P.E. No. 065423

Blasland, Bouck & Lee, Inc. 6723 Towpath Road, P.O. Box 66 Syracuse, New York 13214-0066



BLASLAND, BOUCK & LEE, INC.
engineers & scientists

# Niagara Mohawk Power Corporation North Albany Service Center Albany, New York

# TSDF Closure Activities TSDF Closure Cleanup Criteria

Matrix	Chemical Constituent	Action Limits
Concrete		
	PCBs in Concrete in 'Unrestricted Access Areas'	l ppm
	PCBs in Concrete in 'Restricted Access Areas' *	10 ppm
Soil		
	PCBs in Soil Beneath Concrete Floor Slab	10 ppm
Wipe		
	PCBs on Equipment Surfaces	$10  \mu g / 100  cm^2$
Rinsate		
	PCBs	0.09 ppb
	TCL VOCs	NYSDEC Class GA Ground Water
		Standards/Guidance Values
	TCL SVOCs	NYSDEC Class GA Ground Water
		Standards/Guidance Values
	RCRA Metals	NYSDEC Class GA Ground Water
	INCIA MICIAIS	Standards/Guidance Values

- Regulatory cleanup levels for PCB present in concrete, soil, and on non-porous surfaces are based on the Toxic Substance Control Act [40 CFR Part 761], and the NYSDEC-recommended cleanup objective as presented in the NYSDEC document entitled, "Technical and Administrative Guidance Memorandum (TAGM): 'Contained-In' Criteria for Environmental Media" HWR-92-3028 (TAGM 3028), dated November 30, 1992.
- NYSDEC Class GA Ground-Water Standards/Guidance Values presented in the New York State
   Department of Environmental Conservation (NYSDEC) Division of Technical and Operational Guidance
   Series (TOGS 1.1.1) document entitled "Ambient Water Quality Standards and Guidance Values and
   Ground-Water Effluent Limitations", dated June 1998.
- 3. \* The USEPA TSCA regulations presented in 40 CFR 761.61 (a)(4)(i)(B) establish a 25 ppm cleanup criteria for porous surfaces in low occupancy (i.e., restricted access) areas. However, NMPC utilized the more conservative 10 ppm cleanup objective for subsurface soil presented in the NYSDEC document entitled "Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, " HWM-94-4046 (TAGM 4046), dated January 24, 1994 as the cleanup criteria for concrete in restricted access areas of the TSDF.
- 4. PCBs = polychlorinated biphenyls.
- 5. TCL VOCs = Target Compound List volatile organic compounds.
- 6. TCL SVOCs = Target Compound List semi-volatile organic compounds.
- 7. RCRA = Resource Conservation and Recovery Act
- 8. ppm = parts per million
- 9. ppb = parts per billion
- 10.  $\mu$ g/100 cm<sup>2</sup> = micrograms per 100 square centimeters

Table 2

# TSDF Closure Activities Analytical Sample Summary

				Ī		A	nalysis Performe	d		<del></del>
				<u> </u>	1	^	inary 313 I CHIOT INC	Ignitability,		1
		1		l				Corrosivity,		
<u> Matrix</u>	Sample ID	Sample Date	SDG#	PCBs	VOCs	SVOCs	RCRA Metals	Reactivity	Other	Comments
			Transfo	rmer Sho	D					
Preclosure Samples				_				****		
Concrete	TRNS-FLR-C1	10/19/99	9910-00288	X						sv
Characterization:	TRNS-FLR-C2	10/19/99	9910-00288	X						SV
	DUP-1 <trns-flr-c2></trns-flr-c2>	10/19/99	9910-00288	X						SV
	TRNS-FLR-C3	10/19/99	9910-00288	X	•					SV
	TRNS-WLL-C1	10/19/99	9910-00288	X						sv
Concrete	NM-TSHWA-VC1	2/11/00	0002-00082	X						SV
Verification for Hazardous Waste	NM-TSHWA-VC2	2/11/00	0002-00082	X	_					SV
	NM-TSHWA-VC3	2/11/00	0002-00082	X			<del></del>			SV
Storage Area:	NM-TSHWA-VC4 NM-TSHWA-VC5	2/11/00	0002-00082	X			<del></del>			SV
	NM-TSHWA-VC6	2/15/00	0002-00152	X X	<del></del>					SV
Verification Soil	NM-TSOILIM-VS1	2/15/00 2/11/00	0002-00152 0002-00131	- <u>x</u>						SV SV
Samples for	NM-TSOILIM-VS2	2/11/00	0002-00131	<u>^</u>						
Hazardous Waste	NM-TSOILIM-VS3	2/11/00	0002-00131	- <u>^</u>						SV SV
Storage Area	NM-TSOILIM-VS4	2/11/00	0002-00131	- <u>^</u>						SV SV
TSDF Closure Sam		2/11/00	0002-00131							<u>SY</u>
Concrete	NM-TSFLR-C1	2/25/00	0002-00275	X			·····			s
Characterization:	NM-TSFLR-C2	2/25/00	0002-00275	- X						<u> </u>
	NM-TSFLR-C3	2/25/00	0002-00275	X		<del>-</del>				<u>s</u>
	DUP-1 <nm-tsflr-c3></nm-tsflr-c3>	2/25/00	0002-00275	<u>X</u>	-			*****		<u>s</u>
	NM-TSFLR-C4	2/25/00	0002-00275	X						s
	NM-TSFLR-C5	2/25/00	0002-00275	X						s
	NM-TSFLR-C6	2/25/00	0002-00275	X						<u>s</u>
	NM-TSFLR-G7	2/25/00	0002-00275	X						s
	NM-TSFLR-C8	2/25/00	0002-00275	X						s
	NM-TSFLR-C9	2/25/00	0002-00275	X						S
	NM-TSFLR-C10	2/25/00	0002-00275	X						S
	NM-TSFLR-C11	2/25/00	0002-00275	X						S
	NM-TSFLR-C12	2/25/00	0002-00275	X						S
	NM-TSFLR-C13	2/25/00	0002-00275	X						S
	NM-TSFLR-C14	2/25/00	0002-00275	X						S
	NM-TSFLR-C15	2/25/00	0002-00275	X						S
	NM-TSFLR-C16	2/25/00	0002-00275	X						S
	NM-TSFLR-C17	2/25/00	0002-00275	X						S
	NM-TSFLR-C18	2/25/00	0002-00275	X						S
	NM-TSFLR-C19	2/25/00	. 0002-00275	X						. S
	NM-TSFLR-C20	2/25/00	. 0002-00275	X						<u> </u>
	NM-TSFLR-C21	2/25/00	0002-00275	X						<u>s</u>
	DUP-2 <nm-tsflr-c21></nm-tsflr-c21>	2/25/00	0002-00275	X	·					<u>s</u>
	NM-TSFLR-C22	3/6/00	0003-00101	X			<u>:</u>			<u> </u>
	NM-TSFLR-C23	3/6/00	0003-00101	X						S
	NM-TSFLR-C24	3/6/00	0003-00101	X						<u>s</u>
	NM-TSFLR-C25	3/6/00	0003-00101	X						<u>S</u>
	NM-TSFLR-C26	3/6/00	0003-00101	X			·			<u> </u>
	NM-TSFLR-C27	3/6/00	0003-00101	X						<u>s</u>
	NM-TSFLR-C28	3/6/00	0003-00101	X						<u> </u>
	NM-TSFLR-C29	3/6/00	0003-00101	X				<del></del>		· S
	DUP-3 <nm-tsflr-c29></nm-tsflr-c29>	3/6/00	0003-00101	X	<del></del>		<del> </del>			<u>s</u>
	NM-TSFLR-C31	3/6/00	0003-00101	: X	:					<u> </u>
	NM-TSFLR-C32	3/6/00	0003-00101			·			<del></del> -	S
	NM-TSFLR-C32	3/6/00	: 0003-00101	X						<u> </u>
	NM-TSFLR-C34	3/6/00	0003-00101	- X						<u> </u>
	NM-TSFLR-C35	3/6/00	0003-00101	- <del>X</del>	-					<u>s</u>
	NM-TSFLR-C44	3/15/00	0003-00101	- <u>X</u>						<u>s</u>
	NM-TSFLR-C45	3/15/00	0003-00238	<u>X</u>						<u>s</u>
	NM-TSFLR-C46	3/15/00	0003-00238	- X			·			<u> </u>

Table 2

## TSDF Closure Activities Analytical Sample Summary

			Ţ I	٠.		Ā	nalvsis Performe	d		T
			1 1					Ignitability,		1
Matrix	Sample ID	Sample Date	SDG#	PCBs	VOCs	SVOCs	RCRA Metals	Corrosivity, Reactivity	Other	Comment
	<del></del>		Transfor	mer Sho	D					
TSDF Closure Sam	ples (Cont'd)			-	<del> </del>				-	
	NM-TSFLR-C47	3/22/00	0003-00342	X	_		***			S
	NM-TSFLR-C48	3/22/00	0003-00342	X						S
	NM-TSFLR-C49	3/22/00	0003-00342	X				•		S
	DUP-5 <nm-tsflr-c49></nm-tsflr-c49>	3/22/00	0003-00342	X						S
	NM-TSFLR-C50	3/22/00	0003-00342	X						sv
	NM-TSFLR-C59	3/29/00	0003-00435	X						S
	NM-TSFLR-C60	3/29/00	0003-00435	X						S
	NM-TSFLR-C61	3/29/00	0003-00435	X						S
	DUP-6 <nm-tsflr-c61></nm-tsflr-c61>	3/29/00	0003-00435	X						S
	NM-TSFLR-C62	3/29/00	0003-00435	X						<u> </u>
	NM-TSFLR-C63	4/4/00	0004-00053	X				<del> </del>		SV
~	NM-TSFLR-C64	4/4/00	0004-00053	X			·····			SV
Soil Borings:	TS-2 (0-2')	4/4/00	0004-00068	X						SV
	TS-3 (0-2')	4/4/00	0004-00068	X						SV
Sail Vanific - 41	TS-4 (0-2')	4/4/00	0004-00068	<u>X</u>						SV
Soil Verification:	NM-TSOIL-VS1 NM-TSOIL-VS2	7/12/00	L61850	X						GV
		7/12/00	L61850	X						GV
	NM-TSOIL-VS3 NM-TSOIL-VS4	7/12/00 7/12/00	L61850 L61850	<u>X</u>						GV
	DUP-1 <nm-tssoil-vs4></nm-tssoil-vs4>	7/12/00	L61850	X						GV
	NM-TSOIL-VS5	7/12/00	L61850	- X X						GV
	NM-TSOIL-VS6	7/12/00	L61850	- <u>^</u>					,	GV
	NM-TSOIL-VS7	7/12/00	L61850	X						GV
	NM-TSOIL-VS8	7/12/00	L61850	X						GV
	NM-TSOIL-VS9	7/12/00	L61850	X						GV
	NM-TSOIL-VS10	7/12/00	L61850	X	·					· GV
	NM-TSOIL-VS11	7/12/00	L61850	X				<del>-</del>		· GV
	NM-TSOIL-VS12	7/12/00	L61850	<u>X</u>					·	GV
	NM-TSOIL-VS13	7/12/00	L61850	X						GV
	NM-TSOIL-VS13A	7/20/00	L62051	X				<del></del>		GV
	DUP-2 <nm-tsoil-vs13a></nm-tsoil-vs13a>	7/20/00	1.62051	X						GV
	NM-TSOIL-VS14	7/12/00	L61850	X						GV
	NM-TSOIL-VS15	7/12/00	L61850	X						GV
	NM-TSOIL-VS16	7/12/00	L61850	X						GV
Verification Wipe:	NM-TSPUMP-VW1	2/7/00	0002-00082	X						SV
ı	NM-TSPUMP-VW2	2/7/00	0002-00082	X						SV
	NM-TSPUMP-VW3	2/7/00	0002-00082	X						SV
	NM-TSPUMP-VW4	2/7/00	0002-00082	X						SV
	NM-TSTE-VW1	3/29/00	0003-00435	X						SV
	NM-TSTE-VW2	3/29/00	0003-00435	<u>X</u>						SV
	NM-TSTE-VW3	3/29/00	0003-00435	X						SV
Other:	NM-TDWLL-C1	6/19/00	0006-00383	X						S
	NM-TSOFF-T1	6/19/00	0006-00383						Asbestos	S
			Outdoor T	ank Faci	lity					
Preclosure Samples	3							· · · · · · · · · · · · · · · · · · ·		
Concrete	TANK-FLR-C1	10/19/99	9910-00288	X						SV
Characterization:	TANK-FLR-C2	10/19/99	9910-00288	X						SV
	TANK-FLR-C3	10/19/99	9910-00288	X						SV
	TANK-WLL-C1	10/19/99	9910-00288	X						SV
TSDF Closure Sam	ples									
Verification	NM-37301-VWI	2/7/00	0002-00082	X						SV
Wipe:	NM-37301-VW2	2/7/00	0002-00082	X			1			SV
	NM-37301-VW3	2/7/00	0002-00082	X						SV
	NM-E37301-VW1	2/10/00	0002-00130	X						. SV
	NM-E37301-VW2	2/10/00	0002-00130	X						SV
	NM-E37301-VW3	2/10/00	0002-00130	X						SV
	NM-E37301-VW4	2/10/00	0002-00130	X						sv

Tabie 2

# TSDF Closure Activities Analytical Sample Summary

			l : .	<del></del>		A	nalysis Performe	<u> </u>		T
			1		I			Ignitability,		7
		_					Dep. 14	Corrosivity,		
Matrix	Sample ID	Sample Date	SDG#	PCBs	VOCs	SVOCs	RCRA Metals	Reactivity	Other	Comments
			Outdoor T	ank Fac	ility	-0.4	··-			
TSDF Closure Sam										
	NM-373SCT-VW1	2/10/00	0002-00130	X						SV
	NM-373SCT-VW2	2/10/00	0002-00130	X						sv
	NM-373SCT-VW3	2/10/00	0002-00130	X						SV
	NM-PUMPAN-VW1	2/10/00	0002-00130	X						SV
Verification	NM-PUMPAN-VW2	2/10/00	0002-00130	X X						SV
Rinsate:	NM-OTFTP-VR1	2/25/00	0002-00276	- <u>X</u>	<u>X</u>	X X	X X			SV
Kinsate:	NM-OTFTP-VR2 NM-OTFFC-VR1	2/25/00 2/25/00	0002-00276 0002-00276		<u>^</u>	<u></u>	X			SV
	NM-OTFCC-VR1	2/25/00	0002-00276			·	<del></del>			SV
	NM-OTFCC-VK1			<del></del>		·	<del></del>	<del></del>	рН	S
D 1 0 1		Versaire Bu	ilding Hazar	dous Wa	ste Stor	age Shed	<del></del>			
Preclosure Samples										
Preclosure	VERS-FLR-C1	10/19/99	9910-00288	X						SV
Concrete	VERS-FLR-C2	10/19/99	9910-00288	X			<del></del>			SV
Characterization:	VERS-FLR-C3	10/19/99	9910-00288	<u>X</u>						SV
	VERS-FLR-C4 VERS-FLR-C5	10/19/99	9910-00288 9910-00288	X X						SV SV
	VERS-FLR-C6	10/19/99	9910-00288	- X X			<del></del> -			
	VERS-WLL-C1	10/19/99	9910-00288	- <del>X</del>					<del>_</del> _	SV SV
	VERS-WLL-C2	10/19/99	9910-00288	- <u>^</u>						SV
	VERS-WLL-C2 VERS-WLL-C3	11/9/99	9911-00151	$\frac{\Lambda}{X}$			<del></del>			SV
	VERS-WLL-C3	11/9/99	9911-00151	- <u>^</u>		-				SV
	VERS-WLL-C5	11/9/99	9911-00151	-X						SV
	VERS-WLL-C6	11/9/99	9911-00151	- X						SV
	DUP-2 (VERS-WLL-C6)	11/9/99	9911-00151	- X		:				sv
			ilding Hazar		acta Star	age Shed	<del></del>		<del></del>	
TSDF Closure Sam	mlac	V CI SAIT C DU	HUINE HAZAI	usous vv	asic Sivi	age Sileu		······································		<del>Villa Carte</del>
Concrete	NM-VBSW-VC1	2/8/00	0002-00082	X		-				SV
Verification:	NM-VBSW-VC2	2/8/00	0002-00082	- X						SV
Crinication.	NM-VBSW-VC3	2/9/00	0002-00082	X						SV
	NM-VBSW-VC4	2/9/00	0002-00082	- X						sv
Verification	NM-VBTE-VW1	2/9/00	0002-00082	X	<del></del>					sv
Wipe:	NM-VBTE-VW2	2/9/00	0002-00082	X		· · · · · ·				SV
··· · · · · ·	NM-VBTE-VW3	2/9/00	0002-00082	- X			<del></del>			sv
Verification	NM-VHSWA-VR1	10/18/00	L64597	X		X	X .			GV
Rinsate:	NM-VHSEA-VRI	10/18/00	L64597	· X	X	X	X			GV
	DUP-1 <nm-vhsea></nm-vhsea>	10/18/00	L64597	X	X	X	X			GV
			Truc	k Dock	<del></del>					
TSDF Closure Sam	ples			- fr					7000000	
Concrete	NM-TSFLR-C36	3/6/00	0003-00101	X						S
Characterization	NM-TSFLR-C37	3/6/00	0003-00101	X					·	S
Floor Samples:	NM-TSFLR-C38	3/6/00	0003-00101	X				_		S
· ·	NM-TSFLR-C39	3/6/00	0003-00101	Х						S
	NM-TSFLR-C53	3/22/00	0003-00342	X						S
	NM-TSFLR-C54	3/22/00	0003-00342	X						SV
Concrete	NM-TSFLR-C55	3/22/00	0003-00342	X						S
Characterization	NM-TSFLR-C55A (0-1")	3/29/00	0003-00435	X						S
Wall Samples:	NM-TSFLR-C55B (1-2")	3/29/00	0003-00435	X						S
	NM-TSFLR-C55C (2-3")	3/29/00	0003-00435	X						S
	NM-TSFLR-C56	3/29/00	0003-00435	X						sv
	NM-TSFLR-C57		1 0003-00435	X			<u> </u>			· SV
	NM-TSFLR-C66	4/4/00	0004-00053	X			· .			S
	DUP-7 <nm-tsflr-c66></nm-tsflr-c66>	4/4/00	0004-00053			· 				S
•	NM-TSFLR-C67	4/4/00	0004-00053	X			•			SV
	NM-TSFLR-C68	4/4/00	0004-00053	X			<u> </u>		·	sv
	NM-TSFLR-C69	4/4/00	0004-00053	<u> X</u>				<del></del>		SV
Soil Borings:	TS-1 (0-2')	4/5/00	0004-00090	X						sv

Table 2

# TSDF Closure Activities Analytical Sample Summary

	7	<u> </u>				A	nalysis Performe	ed		T
Matrix	Sample ID	Sample Date	SDG#	PCBs	VOCs		RCRA Metais	Ignitability, Corrosivity, Reactivity	Other	Comment
Wallix	Sample 1D	Sample Date		ine Shop	VOCS	SVOCS	I KCKA Metals	Reactivity	Other	Comments
TSDF Closure San		<del>//</del>	Macii	ine Shop	<del></del>					
Concrete	NM-TSFLR-C40	3/15/00	0003-00238					<del></del> -		CV.
Characterization:	NM-TSFLR-C41	3/15/00	0003-00238	- <u>X</u> X						SV SV
Characterization:	NM-TSFLR-C42	3/15/00	0003-00238	- X X				<del></del>		
	NM-TSFLR-C43	3/15/00	0003-00238	- X	<u>.</u>			<i>-</i>		sv
	DUP-4 <nm-tsflr-c43></nm-tsflr-c43>	3/15/00	0003-00238	- X X						<u> </u>
	NM-TSFLR-A3	3/15/00	0003-00238	<u>X</u>						SV SV
	NM-TSFLR-A4	3/15/00	0003-00271	<u>x</u>			·			
	NM-TSFLR-C51	3/22/00	0003-00271	X						S
	NM-TSFLR-C52	3/22/00	0003-00342	<u>X</u>						<u> </u>
	NM-TSFLR-C58	3/22/00	0003-00342	X					·	<u>s</u>
	NM-TSFLR-C43A	4/4/00	0003-00433	_ <u>^</u>					· <u> </u>	<u>s</u>
,	NM-TSFLR-C43B	4/4/00	0004-00053	X						- S
	NM-TSFLR-C43C	4/4/00	0004-00053	<u>^</u>						<u> </u>
	NM-TSFLR-C65	4/4/00	0004-00053	<u>x</u>						SV SV
Concrete	NM-MSFLR-VC1	6/27/00	L61527	$\frac{\lambda}{X}$						G
Verification:	NM-MSFLR-VC2	6/27/00	L61527	$\frac{\Lambda}{X}$						G
Verification.	NM-MSFLR-VC3	6/27/00	L61527	$\frac{\lambda}{X}$						G
	DUP-1 <nm-msflr-vc3></nm-msflr-vc3>	6/27/00	L61527	<u> </u>						G
	NM-MSFLR-VC4	7/6/00	L61527	$\frac{X}{X}$						G
	NM-MSFLR-VC5	7/6/00	L61527	X			<del></del>			G
	NM-MSFLR-VC6	7/7/00	L61527	$\frac{X}{X}$			<del></del>			G
	NM-MSFLR-VC7	7/18/00	L61989	$\frac{x}{x}$					<del></del> -	GV
	NM-MSFLR-VC8	7/18/00	L61989	<u>X</u>					<del></del>	GV
7	NM-MSFLR-VC9	7/20/00	L61989	$\frac{x}{x}$						GV
	NM-MSFLR-VC10	7/20/00	L61989	<u> </u>						GV
	DUP-2 (NM-MSFLR-VC10)	7/20/00	L61989	$\frac{x}{x}$						GV
	NM-MSFLR-VC11	7/26/00	L61989	X						GV
			Air M	onitoring	·				=	
Air:	NM-AIR-I	2/3/00	L57540	X						G
	NM-AIR-2	2/3/00	L57540	<u>x</u>						G
	NM-AIR-4	2/4/00	L57540						Silica	<u>G</u>
	NM-AIR-6	2/4/00	L57540						Silica	G
	NM-AIR-7	6/20/00	L61549						Silica	G
	NM-AIR-8	6/20/00	L61549	X	,					G
	NM-AIR-9	6/27/00	L61549						Silica	G
	NM-AIR-10	6/27/00		: X					,	G
	NM-AIR-11	7/27/00	L62248				· · · · · · · · · · · · · · · · · · ·		Benzene	G
	NM-AIR-12	7/27/00	L62248	:		-	1		Benzene	<u>G</u>

- 1. S = indicates that the sample was analyzed by Scilab Albany, Inc. located in Latham, New York.
- 2. G = Indicates that the sample was analyzed by Galson Laboratories, Inc. located in East Syracuse, New York.
- 3. V = Indicates that the analytical results were validated. Data validation reports are included in Volumes II & III of this TSDF Closure Report.

Table 3

# TSDF Closure Activities Preclosure Concrete Sampling Analytical Results for Total PCBs (ppm)

Sample ID	Total PCB Concentration						
Transformer Shop Hazardous Waste Storage Area							
TRNS-FLR-C1	2,300 J						
TRNS-FLR-C2	160 J						
DUP-1 <trns-flr-c2></trns-flr-c2>	170 J						
TRNS-FLR-C3	4,800 J						
TRNS-WLL-C1	<0.5						
Outdoor C	oil Tank Facility						
TANK-FLR-C1	< 0.5						
TANK-FLR-C2	< 0.5						
TANK-FLR-C3	< 0.5						
TANK-WLL-C1	< 0.5						
Versaire Hazardous Waste Stor	age Shed (eastern containment area)						
VERS-FLR-C1	< 0.5						
VERS-FLR-C2	< 0.5						
VERS-FLR-C3	< 0.5						
VERS-WLL-C1	< 0.5						
Versaire Hazardous Waste Stor	age Shed (western containment area)						
VERS-FLR-C4	1.4 J						
VERS-FLR-C5	0.6 J						
VERS-FLR-C6	0.8 J						
VERS-WLL-C2	84 J						
VERS-WLL-C3	0.69 J						
VERS-WLL-C4	1.3 J						
VERS-WLL-C5	0.57 J						
VERS-WLL-C6	274 J						
DUP-2 <vers-wll-c6></vers-wll-c6>	185 J						

<sup>-</sup> see notes on Page 2

# Niagara Mohawk Power Corporation North Albany Service Center Albany, New York

# TSDF Closure Activities Preclosure Concrete Sampling Analytical Results for Total PCBs (ppm)

#### Notes:

- 1. Samples collected by Blasland, Bouck & Lee, Inc. (BBL) on October 19, 1999 and November 9, 1999.
- 2. TSDF = Treatment, Storage, and Disposal Facility.
- 3. PCBs = Polychlorinated biphenyls.
- 4. Samples analyzed by Scilab Albany, Inc. using USEPA SW-846 Method 8082 as referenced in the NYSDEC 1995 Analytical Services Protocol (ASP).
- 5. Concentrations are reported in parts per million (ppm) or milligrams per kilogram (mg/kg).
- 6. Sample designations indicate the following:

TRNS = Transformer Shop;

TANK = Truck Loading/Unloading Pad at Upgraded Storage Tank Facility;

VERS = Versaire Hazardous Waste Storage Shed;

FLR = Floor sample;

WLL = Wall Sample;

C = Concrete sample; and

DUP = Duplicate sample.

- 7. J = Indicates an estimated concentration.
- 8. <= Indicates each Aroclor was not detected above the presented concentration.
- 9. The NYSDEC-recommended cleanup objective for PCBs as presented in the NYSDEC document entitled, "Technical and Administrative Guidance Memorandum (TAGM): 'Contained-In' Criteria for Environmental Media" HWR-92-3028 (TAGM 3028), dated November 30, 1992, is 1 ppm.
- 10. Analytical results have been validated.

# Niagara Mohawk Power Corporation North Albany Service Center Albany, New York

# TSDF Closure Activities Air Monitoring Analytical Results for PCBs, Silica, and Benzene (mg/m³)

Sample ID	PEL - Dust (mg/m <sup>2</sup> )	PCBs (mg/m²)	Silica (mg/m²)	Dust (mg/m²)	Benzene (mg/m²)
NM-AIR-1	NA	< 0.0006	-	_	-
NM-AIR-2	NA	< 0.0006	-	-	_
NM-AIR-4	5.0	-	ND	< 0.9	-
NM-AIR-6	0.41	-	0.29	1.3	-
NM-AIR-7	0.76	-	0.06	0.54	-
NM-AIR-8	NA	< 0.0007	-	-	-
NM-AIR-9	5.0	-	< 0.02	< 0.08	-
NM-AIR-10	NA	< 0.0007	-	-	_
NM-AIR-11	NA	-	-	-	< 0.04
NM-AIR-12	NA	-	-	-	< 0.04

- 1. Air monitoring samples collected by Blasland, Bouck & Lee Inc. (BBL) during February, June, and July 2000.
- 2. Samples analyzed by Galson Laboratories, Inc. (Galson) of East Syracuse, New York for the following:
  - NM-AIR-1, NM-AIR-2, NM-AIR-8, and NM-AIR-10 for polychlorinated biphenyls (PCBs) using analytical method NIOSH 5503;
  - NM-AIR-4, NM-AIR-6, NM-AIR-7 and NM-AIR-9 for silica using analytical method NIOSH 7500; and
  - NM-AIR-11 AND NM-AIR-12 for benzene using analytical method NIOSH 1501.
- 3. <= Constituent was not detected at a concentration exceeding the presented concentration.
- 4. = Not analyzed.
- 5. NA = Not applicable.
- 6. ND = Not detected.
- 7.  $mg/m^3 = milligrams per cubic meter$
- 8. Analytical results have not been validated.

Table 5

# TSDF Closure Activities <u>Verification Concrete Sampling Analytical Results</u> <u>for Total PCBs (ppm)</u>

Sample ID	
Transformer!	Shop
Samples Collected February 11, 2000	
NM-TSHWA-VC1	0.28 J
NM-TSHWA-VC2	0.16 J
NM-TSHWA-VC3	2.2 J
NM-TSHWA-VC4	1.9 J
Samples Collected February 15, 2000	
NM-TSHWA-VC5	3.7 J
NM-TSHWA-VC6	67 J
Versaire Buil	ding
Samples Collected February 8, 2000	
NM-VBSW-VC1*	< 0.017 J
NM-VBSW-VC2*	< 0.017 J
NM-VBSW-VC3*	0.55 J
NM-VBSW-VC4*	0.19 J
	lop
Samples Collected June 27, 2000	
NM-MSFLR-VC1	12 D
NM-MSFLR-VC2	9.6 D
NM-MSFLR-VC3	0.19
DUP-1 (NM-MSFLR-VC3)	10.4 D
Samples Collected July 6, 2000	
NM-MSFLR-VC4	2.86 D
NM-MSFLR-VC5	5.66 D
NM-MSFLR-VC6	0.38
Samples Collected July 18, 2000	
NM-MSFLR-VC7*	< 0.05
NM-MSFLR-VC8*	< 0.05
Samples Collected July 20, 2000	
NM-MSFLR-VC9*	< 0.05
NM-MSFLR-VC10*	1.34 D
DUP-2 (NM-MSFLR-VC10)*	0.99
Samples Collected July 26, 2000	
NM-MSFLR-VC11*	0.35

<sup>-</sup> see notes on Page 2

# Niagara Mohawk Power Corporation North Albany Service Center Albany, New York

# TSDF Closure Activities <u>Verification Concrete Sampling Analytical Results</u> <u>for Total PCBs (ppm)</u>

#### Notes:

- 1. Samples collected by Blasland, Bouck & Lee, Inc. (BBL) during February, June, and July 2000.
- Samples collected from the Transformer Shop and the Versaire Building were analyzed by Scilab Albany, Inc. (Scilab) of Latham, New York for polychlorinated biphenyls (PCBs) using USEPA SW-846 Method 8082.
- 3. Samples collected from the Machine Shop were analyzed by Galson Laboratories, Inc. (Galson) of East Syracuse, New York for PCBs using USEPA SW-846 Method 8082.
- 4. Concentrations are reported in parts per million (ppm) or milligrams per kilogram (mg/kg).
- 5. J = Indicates an estimated value
- 6. D = Indicates that the presented value is based on the laboratory analysis of a diluted sample.
- 7. <= Indicates each Aroclor was not detected above the presented concentration.
- 8. Sample designations indicate the following:

NM = Niagara Mohawk Power Corporation;

TSHWA = Transformer Shop;

VC = Verification Concrete Sample;

MSFLR = Machine Shop Floor; and

VBSW = Versaire Building Sidewall.

9. \* - Indicates that the analytical results were validated.

# Niagara Mohawk Power Corporation North Albany Service Center Albany, New York

# TSDF Closure Activities <u>Verification Soil Sampling Analytical Results</u> <u>for Total PCBs (ppm)</u>

Sample ID	Total PCB Concentration
Samples Collected February 11, 2	000
NM-TSOILIM-VS1	· 0.17 J
NM-TSOILIM-VS2	0.40 J
NM-TSOILIM-VS3	3.8 J
NM-TSOILIM-VS4	2.6 J
Samples Collected July 12, 2000	
NM-TSOIL-VS1	0.26
NM-TSOIL-VS2	0.49 D
NM-TSOIL-VS3	0.43 D
NM-TSOIL-VS4	0.90 D
DUP-1 <nm-tsoil-vs4></nm-tsoil-vs4>	1.9 D
NM-TSOIL-VS5	0.34
NM-TSOIL-VS6	2.8 D
NM-TSOIL-VS7	1.3 D
NM-TSOIL-VS8	0.33
NM-TSOIL-VS9	1.5 D
NM-TSOIL-VS10	2.2 D
NM-TSOIL-VS11	0.74 D
NM-TSOIL-VS12	0.78 D
NM-TSOIL-VS13	14.7 D
NM-TSOIL-VS13A	0.30
DUP-2 <nm-tsoil-vs13a></nm-tsoil-vs13a>	0.39 D
NM-TSOIL-VS14	3.0 D
NM-TSOIL-VS15	5.4 D
NM-TSOIL-VS16	4.0 D

- 1. Samples collected by Blasland, Bouck & Lee, Inc. (BBL) during February and July 2000.
- Samples analyzed for polychlorinated biphenyls (PCBs) using USEPA SW-846 Method 8082 by Galson Laboratories, Inc. (Galson) of East Syracuse, New York.
- 3. Concentrations are reported in parts per million (ppm) or milligrams per kilogram (mg/kg).
- 4. J = Indicates an estimated value
- 5. D = Indicates that the presented value is based on the laboratory analysis of a diluted sample.
- 6. Sample designations indicate the following:
  - NM = Niagara Mohawk Power Corporation;
  - TSOILIM = Soil sample collected from limits of excavation in the Transformer Shop Hazardous Waste Storage Area;
  - VS = Verification Sample;
  - VS-13A = Resample of verification soil sample VS-13 following removal of an additional foot of and additional foot of soil from beneath the former concrete office slab.
  - TSOIL = Soil sample collected from the Transformer Shop following concrete floor removal; and DUP = Duplicate sample.
- 7. Analytical results have been validated,

Table 7

# TSDF Closure Activities Verification Wipe Sampling Analytical Results for Total PCBs (µg/100 cm²)

Sample ID	Total PCB Concentration (µg/100cm²)							
Transfo	rmer Shop							
Samples Collected February 7, 2000								
NM-TSPUMP-VW1	3 J							
NM-TSPUMP-VW2	< 2 J							
NM-TSPUMP-VW3	< 2 J							
NM-TSPUMP-VW4	< 2 J							
Samples Collected March 29, 2000								
NM-TSTE-VW1	1							
NM-TSTE-VW2	1.9							
NM-TSTE-VW3	2							
Outdoor	Fank Facility							
Samples Collected February 7, 2000								
NM-37301-VW1	< 2 J							
NM-37301-VW2	< 2 J							
NM-37301-VW3	< 2 J							
Samples Collected February 10, 2000								
NM-E37301-VW1	< 1							
NM-E37301-VW2	< 1							
NM-E37301-VW3	< 1							
NM-E37301-VW4	< 1							
NM-373SCT-VW1	< 1							
NM-373SCT-VW2	< 1							
NM-373SCT-VW3	< 1							
NM-PUMPAN-VW1	< 1							
NM-PUMPAN-VW2	< 1							
Versai	re Building							
Samples Collected February 9, 2000	4							
NM-VBTE-VW1	< 2 J							
NM-VBTE-VW2	< 2 J							
NM-VBTE-VW3	4 J							

<sup>-</sup> see notes on Page 2

# Niagara Mohawk Power Corporation North Albany Service Center Albany, New York

# TSDF Closure Activities <u>Verification Wipe Sampling Analytical Results for</u> <u>Total PCBs (µg/100 cm<sup>2</sup>)</u>

- 1. Samples collected by Blasland, Bouck & Lee, Inc. (BBL) for equipment in the Transformer Shop, Versaire Building, and Outdoor Tank Facility.
- 2. Samples analyzed for polychlorinated biphenyls (PCBs) by Scilab Albany, Inc. (Scilab) of Latham, New York using USEPA SW-846 Method 8082.
- 3. Concentrations reported in micrograms per 100 square centimeters (µg/100 cm<sup>2</sup>).
- 4. Sample designations indicate the following:
  - NM = Niagara Mohawk Power Corporation;
  - TSPUMP = Transformer Shop pump;
  - TSTE = Transformer Shop tranport equipment;
  - E37301 = Exterior surface of Tank 373;
  - 373SCT= Tank 373 secondary containment tank;
  - VW = Verification Wipe;
  - VBTE = Versaire Building transport equipment;
  - DUP = Duplicate sample; and
  - PUMPAN = Indicates a part number on a piece of equipment wipe sampled.
- 5. J = Indicates an estimated value.
- 6. <= Each Aroclor was not detected above the presented concentration.
- 7. Analytical results have been validated.

Table 8

# TSDF Closure Activities Verification Rinsate Sampling Analytical Results

	NYSDEC Ground-		·		Sample ID			<u> </u>
	Water Standards/	NM-OTFTP-VR1	NM-OTFTP-VR2	NM-OTFFC-VR1	NM-OTFCC-VR1	NM-VHSWA-VR1	NM-VHSEA-VR1	NM-VHS-DUP1
Constituent	Guidance Value	2/25/00	2/25/00	2/25/00	2/25/00	10/18/00	10/18/00	10/18/00
PCBs (ppb)								
Total PCBs	0.09	< 0.5	< 0.5	NA	NA	0.0 <b>2</b> 5 J	< 0.05	0.04 J
TCL VOCs (ppb)	· · · · · · · · · · · · · · · · · · ·							
Acetone	50	<10	<10	<10	<10	<10	10 J	<10
Methylene Chloride	5	<5	<5	<5	<5	<5	3 J	2 J
Carbon Disulfide	-	< 5	12	< 5	NA	<5	<5	<5
2-Butanone - (MEK)	50	20	< 10	< 10	NA	<10	<10	, <10
Chloroform	7	1 J	< 5	< 5	. NA	<5	<5	<5
TCL SVOCs (ppb)	Marie Company	<u> 2</u> 2		4 t				·
No TCL SVOCs detected	d ;	ND :	, ND	NA	NA	ND	ND	ND
RCRA Metals (ppb)					: .			· · · · · · · · · · · · · · · · · · ·
Bariu <b>m</b>	1,000	<1	<1	NA	NA	1 B	<1	<1
Wet Chemistry (S.U.)						\$-		
рН	NA ,	NA	NA	NA	5.3	NA NA	NA	NA

<sup>-</sup> see notes on Page 2



# **TSDF Closure Activities** Verification Rinsate Sampling Analytical Results

- 1. Samples collected by Blasland, Bouck & Lee, Inc. (BBL) on February 25, 2000 and October 18, 2000.
- 2. Sample collected on February 25, 2000 were analyzed by Scilab Albany, Inc. (Scilab) of Latham, New York and samples collected on October 18, 2000 were analyzed by Galson Laboratories, Inc. (Galson) of East Syracuse, New York, for the following:
- 3. Samples were analyzed for the following:
  - Polychlorinated biphenyls (PCBs) using USEPA SW-846 Method 8082;
  - TCL volatile organic compounds (VOCs) using USEPA SW-846 Method 8260;
  - TCL semi-volatile organic compounds (SVOCs) using USEPA SW-846 Method 8270; and
  - TAL inorganic constituents using USEPA SW-846 Method 6010 except for mercury which was analyzed using Method 7470/7471.
- 4. Concentrations reported in parts per billion (ppb) or micrograms per kilogram (mg/kg) except for pH which is reported in standard units (S.U.).
- 5. TCL = Target Compound List.
- 6. TAL = Target Analyte List.
- 7. <= Indicates that the constituent was not detected at a concentration exceeding the laboratory detection limit.
- 8. J = Indicates an estimated value.
- 9. B = Indicates a value which is greater than or equal to the instrument detection limit, but less than the contract required detection limit.
- 10. = No NYSDEC Ground-Water Standards/Guidance Value was presented for carbon disulfide.
- 11. Ground-Water Standards/Guidance Values presented in the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS 1.1.1) document entitled "Ambient Water Quality Standards and Guidance Values and Ground-Water Effluent Limitations", dated June 1998. Class GA standards/guidance values are reported where available.
- 12. \* = Indicates a NYSDEC ambient water guidance value.
- 13. NA = Not analyzed.
- 14. ND = None detected.
- 15. Sample designations indicate the following:
  - NM = Niagara Mohawk Power Corporation;
  - OTFTP = Outdoor Tank Facility Truck Pad;
  - OTFFC = Outdoor Tank Facility Flammables Cabinet;
  - OTFCC = Outdoor Tank Facility Corrosives Cabinet; and
  - VHSWA/VHSEA = Versaire Hazardous Waste Storage Shed Western (W)/Eastern (E) Containment Areas.
- 16. Only constituents detected in any one sample are reported.
- 17. Analytical results have been validated.

# Niagara Mohawk Power Corporation North Albany Service Center Albany, New York

# TSDF Closure Activities Concrete Characterization Sampling Analytical Results for Total PCBs (ppm)

Sample ID	Total PCB Concentration				
Transformer Shop					
Samples Collected February 25, 2000					
NM-TSFLR-C1	9.6				
NM-TSFLR-C2	***************************************				
NM-TSFLR-C3	0.6				
DUP-1 <nm-tsflr-c3></nm-tsflr-c3>	0.67				
NM-TSFLR-C4	0.98				
NM-TSFLR-C5	0.37				
NM-TSFLR-C6	18				
NM-TSFLR-C7	6.2				
NM-TSFLR-C8	1.2				
NM-TSFLR-C9	0.67				
NM-TSFLR-C10	0.83				
NM-TSFLR-C11	< 3.6				
NM-TSFLR-C12	25				
NM-TSFLR-C13	19				
NM-TSFLR-C14	100				
NM-TSFLR-C15	16				
NM-TSFLR-C16	86				
NM-TSFLR-C17	36				
NM-TSFLR-C18	110				
NM-TSFLR-C19	7.4				
NM-TSFLR-C20	38				
NM-TSFLR-C21	9.4				
DUP-2 <nm-tsflr-c21></nm-tsflr-c21>	8.1				
Samples Collected March 6, 2000					
NM-TSFLR-C22	1.9				
NM-TSFLR-C23	7.5				
NM-TSFLR-C24	1.9.				
NM-TSFLR-C25	6.5				
NM-TSFLR-C26	7.6				
NM-TSFLR-C27	13.				
NM-TSFLR-C28	33				
NM-TSFLR-C29	35				
DUP-3 <nm-tsflr-c29></nm-tsflr-c29>	42				
NM-TSFLR-C30	3.6				
NM-TSFLR-C31	.2.9				
NM-TSFLR-C32	7.2				
NM-TSFLR-C33	1.2				
NM-TSFLR-C34	27				
NM-TSFLR-C35	1.2				

# Niagara Mohawk Power Corporation North Albany Service Center Albany, New York

# TSDF Closure Activities <u>Concrete Characterization Sampling Analytical Results</u> <u>for Total PCBs (ppm)</u>

Sample 1D	Total PCB Concentration
Transformer Shop Samples Collected March 15, 2000	
NM-TSFLR-C45	11.2
NM-TSFLR-C46	5.2
Samples Collected March 22, 2000	
NM-TSFLR-C47	0.9
NM-TSFLR-C48	2.2
NM-TSFLR-C49	1.6
DUP-5 <nm-tsflr-c49></nm-tsflr-c49>	2.0
NM-TSFLR-C50*	< 0.5
Samples Collected March 29, 2000	
NM-TSFLR-C59	2.1
NM-TSFLR-C60	2.2
NM-TSFLR-C61	0.8
DUP-6 <nm-tsflr-c61></nm-tsflr-c61>	0.9
NM-TSFLR-C62	2.3
NM-TSFLR-C63*	< 0.5
NM-TSFLR-C64*	< 0.5
	Truck Dock
Samples Collected March 6, 2000	
Samples Collected March 6, 2000 3	77 59
Samples Collected March 6, 2000 NM-TSFLR-C36	77 59
Samples Collected March 6, 2000 NM-TSFLR-C36 NM-TSFLR-C37	77
Samples Collected March 6, 2000  NM-TSFLR-C36  NM-TSFLR-C37  NM-TSFLR-C38  NM-TSFLR-C39	77 59 44
Samples Collected March 6, 2000 NM-TSFLR-C36 NM-TSFLR-C37 NM-TSFLR-C38	77 59 44 11
Samples Collected March 6, 2000 NM-TSFLR-C36 NM-TSFLR-C37 NM-TSFLR-C38 NM-TSFLR-C39 Samples Collected March 22, 2000	77 59 44 11 30
Samples Collected March 6, 2000 NM-TSFLR-C36 NM-TSFLR-C37 NM-TSFLR-C38 NM-TSFLR-C39 Samples Collected March 22, 2000 NM-TSFLR-C53 (W)	77 59 44 11 30
Samples Collected March 6, 2000 NM-TSFLR-C36 NM-TSFLR-C37 NM-TSFLR-C38 NM-TSFLR-C39 Samples Collected March 22, 2000 NM-TSFLR-C53 (W) NM-TSFLR-C54* (W) NM-TSFLR-C55 (W)	77 59 44 11: 30 1.4 75
Samples Collected March 6, 2000 NM-TSFLR-C36 NM-TSFLR-C37 NM-TSFLR-C38 NM-TSFLR-C39 Samples Collected March 22, 2000 NM-TSFLR-C53 (W) NM-TSFLR-C54* (W) NM-TSFLR-C55 (W)	77 59 44 11: 30 1.4
Samples Collected March 6, 2000 A NM-TSFLR-C36 NM-TSFLR-C37 NM-TSFLR-C38 NM-TSFLR-C39 Samples Collected March 22, 2000 A NM-TSFLR-C53 (W) NM-TSFLR-C55 (W) NM-TSFLR-C55 (W) Samples Collected March 29, 2000	77 59 44 11 30 1.4 75
Samples Collected March 6, 2000 NM-TSFLR-C36 NM-TSFLR-C37 NM-TSFLR-C38 NM-TSFLR-C39 Samples Collected March 22, 2000 NM-TSFLR-C53 (W) NM-TSFLR-C55 (W) NM-TSFLR-C55 (W) Samples Collected March 29, 2000 NM-TSFLR-C55 (W) Samples Collected March 29, 2000 NM-TSFLR-C55A (0-1") (W) NM-TSFLR-C55B (1-2") (W)	77 59 44 11: 30 1.4 75
Samples Collected March 6, 2000 NM-TSFLR-C36 NM-TSFLR-C37 NM-TSFLR-C38 NM-TSFLR-C39 Samples Collected March 22, 2000 NM-TSFLR-C53 (W) NM-TSFLR-C55 (W) NM-TSFLR-C55 (W) Samples Collected March 29, 2000 NM-TSFLR-C55 (W) Samples Collected March 29, 2000 NM-TSFLR-C55A (0-1") (W) NM-TSFLR-C55B (1-2") (W) NM-TSFLR-C55C (2-3") (W)	77 59 44 11: 30 1.4 75 52
Samples Collected March 6, 2000 A NM-TSFLR-C36 NM-TSFLR-C37 NM-TSFLR-C38 NM-TSFLR-C39 Samples Collected March 22, 2000 NM-TSFLR-C53 (W) NM-TSFLR-C54* (W) NM-TSFLR-C55 (W) Samples Collected March 29, 2000 NM-TSFLR-C55 (W)	77 59 44 11 30 1.4 75 52 17 4.3
Samples Collected March 6, 2000 NM-TSFLR-C36 NM-TSFLR-C37 NM-TSFLR-C38 NM-TSFLR-C39 Samples Collected March 22, 2000 NM-TSFLR-C53 (W) NM-TSFLR-C55 (W) NM-TSFLR-C55 (W) Samples Collected March 29, 2000 NM-TSFLR-C55 (W) Samples Collected March 29, 2000 NM-TSFLR-C55A (0-1") (W) NM-TSFLR-C55B (1-2") (W) NM-TSFLR-C55C (2-3") (W) NM-TSFLR-C56* (W)	77 59 44 11 30 1.4 75 52 17 4.3 <0.5 1.9
Samples Collected March 6, 2000 NM-TSFLR-C36 NM-TSFLR-C37 NM-TSFLR-C38 NM-TSFLR-C39 Samples Collected March 22, 2000 NM-TSFLR-C53 (W) NM-TSFLR-C55 (W) NM-TSFLR-C55 (W) Samples Collected March 29, 2000 NM-TSFLR-C55A (0-1") (W) NM-TSFLR-C55B (1-2") (W) NM-TSFLR-C55C (2-3") (W) NM-TSFLR-C56* (W) NM-TSFLR-C56* (W)	77 59 44 11 30 1.4 75 52 17 4.3 <0.5 1.9
Samples Collected March 6, 2000 A NM-TSFLR-C36 NM-TSFLR-C37 NM-TSFLR-C38 NM-TSFLR-C39 Samples Collected March 22, 2000 A NM-TSFLR-C53 (W) NM-TSFLR-C54* (W) NM-TSFLR-C55* (W) Samples Collected March 29, 2000 A NM-TSFLR-C55A (0-1") (W) NM-TSFLR-C55B (1-2") (W) NM-TSFLR-C55C (2-3") (W) NM-TSFLR-C56* (W) NM-TSFLR-C57* (W) Samples Collected April 4, 2000	77 59 44 11: 30 1.4 75 52 17 4.3 <0.5 1.9
Samples Collected March 6, 2000 NM-TSFLR-C36 NM-TSFLR-C37 NM-TSFLR-C38 NM-TSFLR-C39 Samples Collected March 22, 2000 NM-TSFLR-C53 (W) NM-TSFLR-C55 (W) NM-TSFLR-C55 (W) Samples Collected March 29, 2000 NM-TSFLR-C55A (0-1") (W) NM-TSFLR-C55B (1-2") (W) NM-TSFLR-C55C (2-3") (W) NM-TSFLR-C56* (W) NM-TSFLR-C57* (W) Samples Collected April 4, 2000 NM-TSFLR-C66 DUP-7 < NM-TSFLR-C66>	777 59 44 11: 30 1.4 75 52 17 4.3 <0.5 1.9
Samples Collected March 6, 2000 A NM-TSFLR-C36 NM-TSFLR-C37 NM-TSFLR-C38 NM-TSFLR-C39 Samples Collected March 22, 2000 A NM-TSFLR-C53 (W) NM-TSFLR-C55 (W) NM-TSFLR-C55 (W) Samples Collected March 29, 2000 A NM-TSFLR-C55 (W) Samples Collected March 29, 2000 A NM-TSFLR-C55 (0-1") (W) NM-TSFLR-C55 (1-2") (W) NM-TSFLR-C55 (2-3") (W) NM-TSFLR-C56* (W) NM-TSFLR-C57* (W) Samples Collected April 4, 2000 A NM-TSFLR-C66	77 59 44 11 30 1.4 75 52 17 4.3 <0.5 1.9 7.3 7.7

# Niagara Mohawk Power Corporation North Albany Service Center Albany, New York

# TSDF Closure Activities Concrete Characterization Sampling Analytical Results for Total PCBs (ppm)

Sample ID	Total PCB Concentration.	
Machine Shop **		
Samples Collected March 15, 2000		
NM-TSFLR-C40*	0.6	
NM-TSFLR-C41*	0.6	
NM-TSFLR-C42*	2.7	
NM-TSFLR-C43	31 * * * * * * * * * * * * * * * * * * *	
DUP-4 <nm-tsflr-c43></nm-tsflr-c43>	31	
NM-TSFLR-A3*	< 0.5 J	
NM-TSFLR-A4	53	
Samples Collected March 22, 2000		
NM-TSFLR-C51	2.0	
NM-TSFLR-C52	0.8	
Samples Collected March 29, 2000		
NM-TSFLR-C58	1.2	
Samples Collected April 4, 2000		
NM-TSFLR-C43A (0-1")	26	
NM-TSFLR-C43B (1-2")	5.8	
NM-TSFLR-C43C (2-3")	1.2	
NM-TSFLR-C65*	< 0.5	

- 1. Samples collected by Blasland, Bouck & Lee, Inc. (BBL) during February, March, and April 2000.
- Samples analyzed by Scilab Albany, Inc. (Scilab) of Latham, New York for polychlorinated biphenyls (PCBs) using USEPA SW-846 Method 8082 as referenced in the NYSDEC 1995 Analytical Services Protocol (ASP).
- 3. Concentrations are reported in parts per million (ppm) or milligrams per kilogram (mg/kg).
- 4. Sample designations indicate the following:
  - NM = Niagara Mohawk Power Corporation;
  - (W) = Wall sample;
  - C = Concrete sample;
  - A3, A4 = Originally archived samples collected from the Machine Shop Floor; and DUP = Duplicate sample.
- 5. With the exception of the samples indicated by a (W), the concrete characterization samples were collected from the floor of the Transformer Shop, Truck Dock, and Machine Shop.
- 6. J = Indicates an estimated value.
- 7. <= Indicates that each Aroclor was not detected above the presented concentration.
- 8. Shaded values indicated that PCBs were detected at a concentration exceeding the 1 ppm cleanup criteria for unrestricted access or 10 ppm cleanup criteria for restricted access areas as presented in Table 1.
- 9. The floors and walls of the truck dock are considered to be located in restricted access areas.
- 10. \* Indicates that the analytical results have been validated.

# Niagara Mohawk Power Corporation North Albany Service Center Albany, New York

# TSDF Closure Activities Soil Characterization Sampling Analytical Results for Total PCBs (ppm)

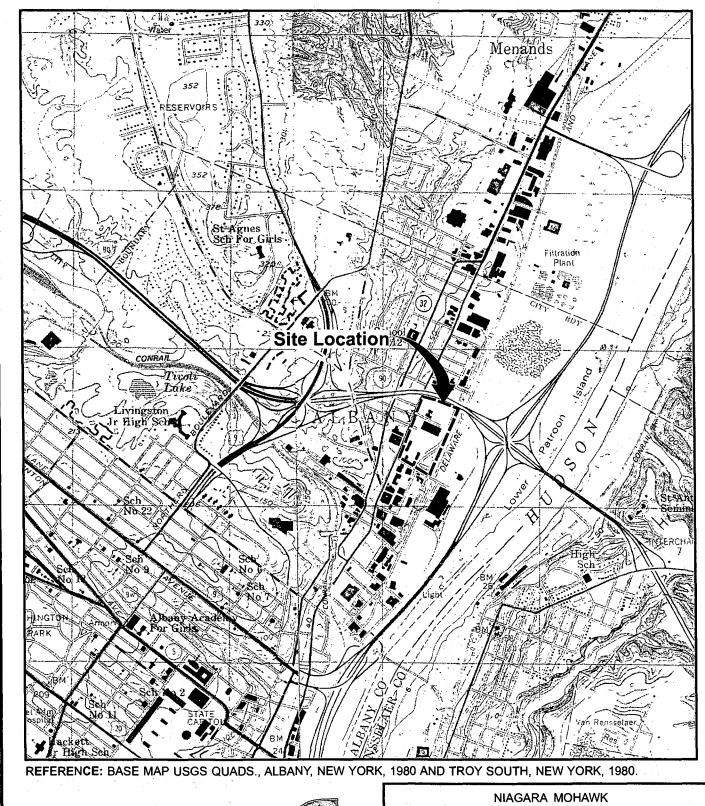
Sample ID	
TS-1 (0-2')	1.0
TS-2 (0-2')	< 0.6
TS-3 (0-2')	< 0.6
TS-4 (0-2')	< 0.6

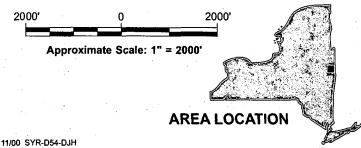
- 1. Samples collected by Blasland, Bouck & Lee, Inc. (BBL) on April 4 and 5, 2000.
- 2. Samples analyzed by Scilab Albany, Inc. (Scilab) of Latham, New York for polychlorinated biphenyls (PCBs) using USEPA SW-846 Method 8082.
- 3. Concentrations reported in parts per million (ppm) or milligrams per kilogram (mg/kg).
- 4. Sample designations indicate the following: TS= Transformer Shop Soil Boring Location.
- 5. <= Indicates that each Aroclor was not detected above the presented concentration.
- 6. The analytical results have been validated.
- 7. Additional samples were collected from deeper depth intervals and submitted for laboratory analysis for PCBs, VOCs, SVOCs, and TAL Inorganic Constituents (plus cyanide). Analytical results for soil samples collected from deeper depth intervals will he incorporated into the Manufactured Gas Plant (MGP) Investigation for the site to be summarized under separate cover.

**Figures** 

BLASLAND, BOUCK & LEE, INC.

engineers & scientists





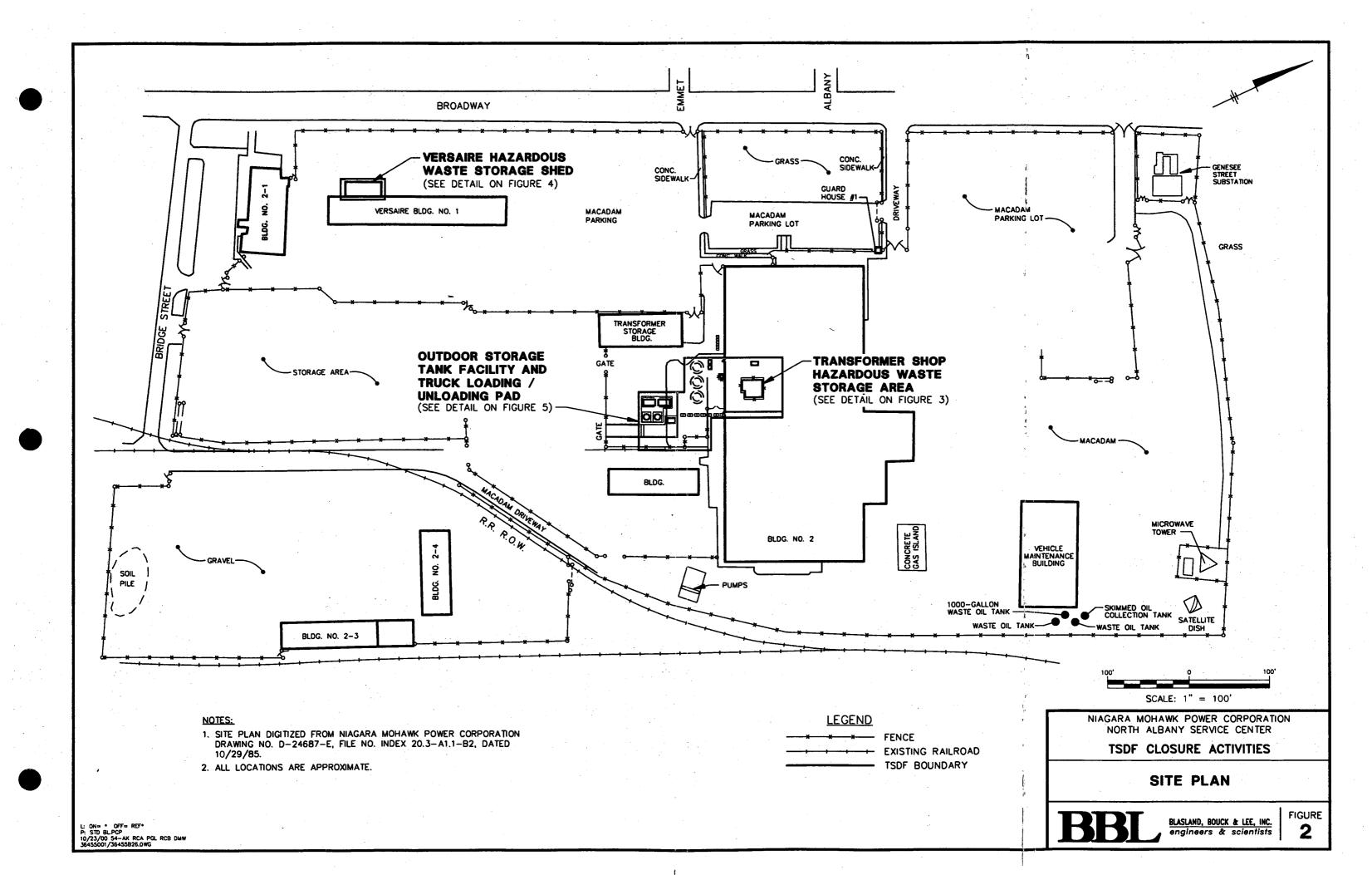
36469002/36455n01.cdr

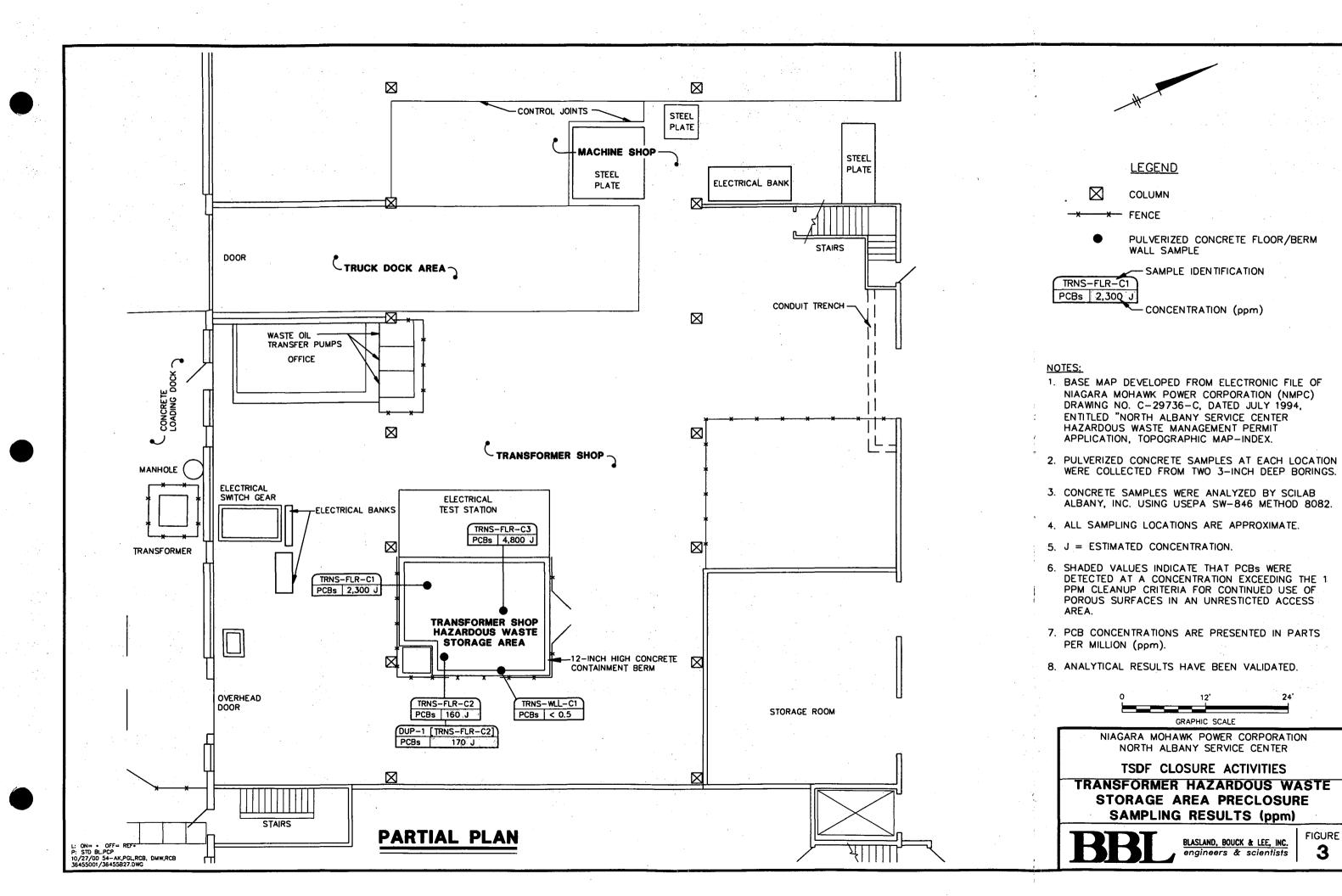
NIAGARA MOHAWK
NORTH ALBANY SERVICE CENTER
TSDF CLOSURE ACTIVITIES

SITE LOCATION MAP

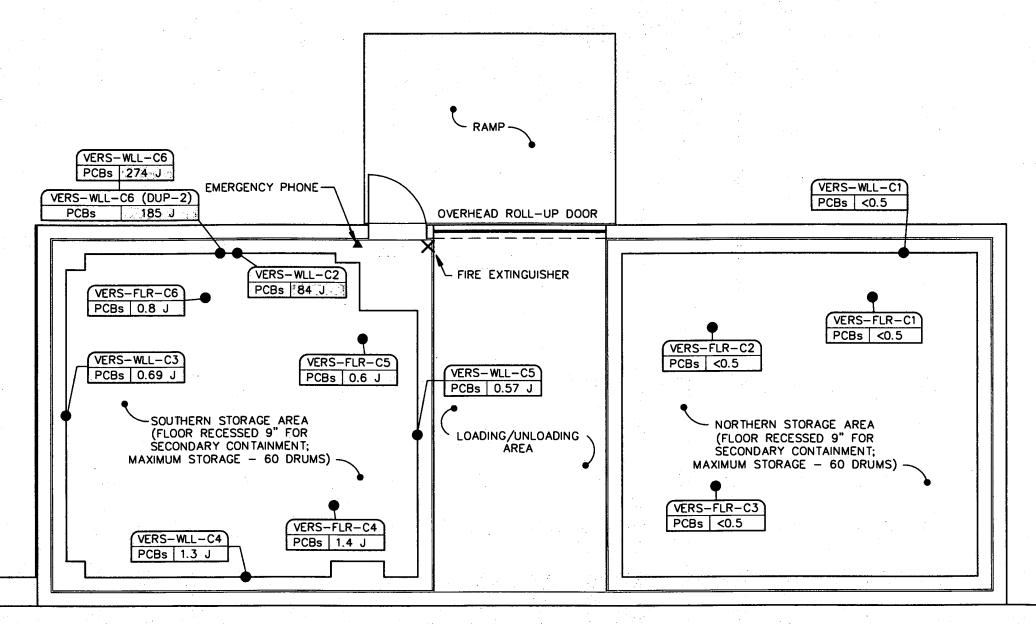
**BBL** 

BLASLAND, BOUCK & LEE, INC. engineers & scientists FIGURE 1









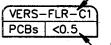
INTERIOR OF VERSAIRE BUILDING, NO. 1



# LEGEND

PULVERIZED CONCRETE FLOOR/ RECESSED WALL SAMPLE

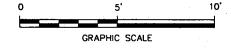
-SAMPLE IDENTIFICATION



\_ CONCENTRATION (ppm)

## NOTES:

- 1. BASE MAP DEVELOPED FROM ELECTRONIC FILE OF NIAGARA MOHAWK POWER CORPORATION (NMPC) DRAWING NO. C-29736-C, DATED JULY 1994, ENTITLED "NORTH ALBANY SERVICE CENTER HAZARDOUS WASTE MANAGEMENT PERMIT APPLICATION, TOPOGRAPHIC MAP-INDEX SHEET."
- 2. PULVERIZED CONCRETE SAMPLES AT EACH LOCATION WERE COLLECTED FROM TWO 3-INCH DEEP BORINGS.
- 3. CONCRETE SAMPLES WERE ANALYZED BY SCILAB ALBANY, INC. USING USEPA SW-846 METHOD 8082.
- 4. ALL SAMPLING LOCATIONS ARE APPROXIMATE.
- 5. J = ESTIMATED CONCENTRATION.
- 6. SHADED VALUES INDICATE THAT PCBs WERE DETECTED AT A CONCENTRATION EXCEEDING THE 10 PPM CLEANUP CRITERIA FOR CONTINUED USE OF POROUS SURFACES IN A RESTRICTED ACCESS AREA.
- 7. PCB CONCENTRATIONS PRESENTED IN PARTS PER MILLION (ppm).
- 8. ANALYTICAL RESULTS HAVE BEEN VALIDATED.



NIAGARA MOHAWK POWER CORPORATION NORTH ALBANY SERVICE CENTER

TSDF CLOSURE ACTIVITIES

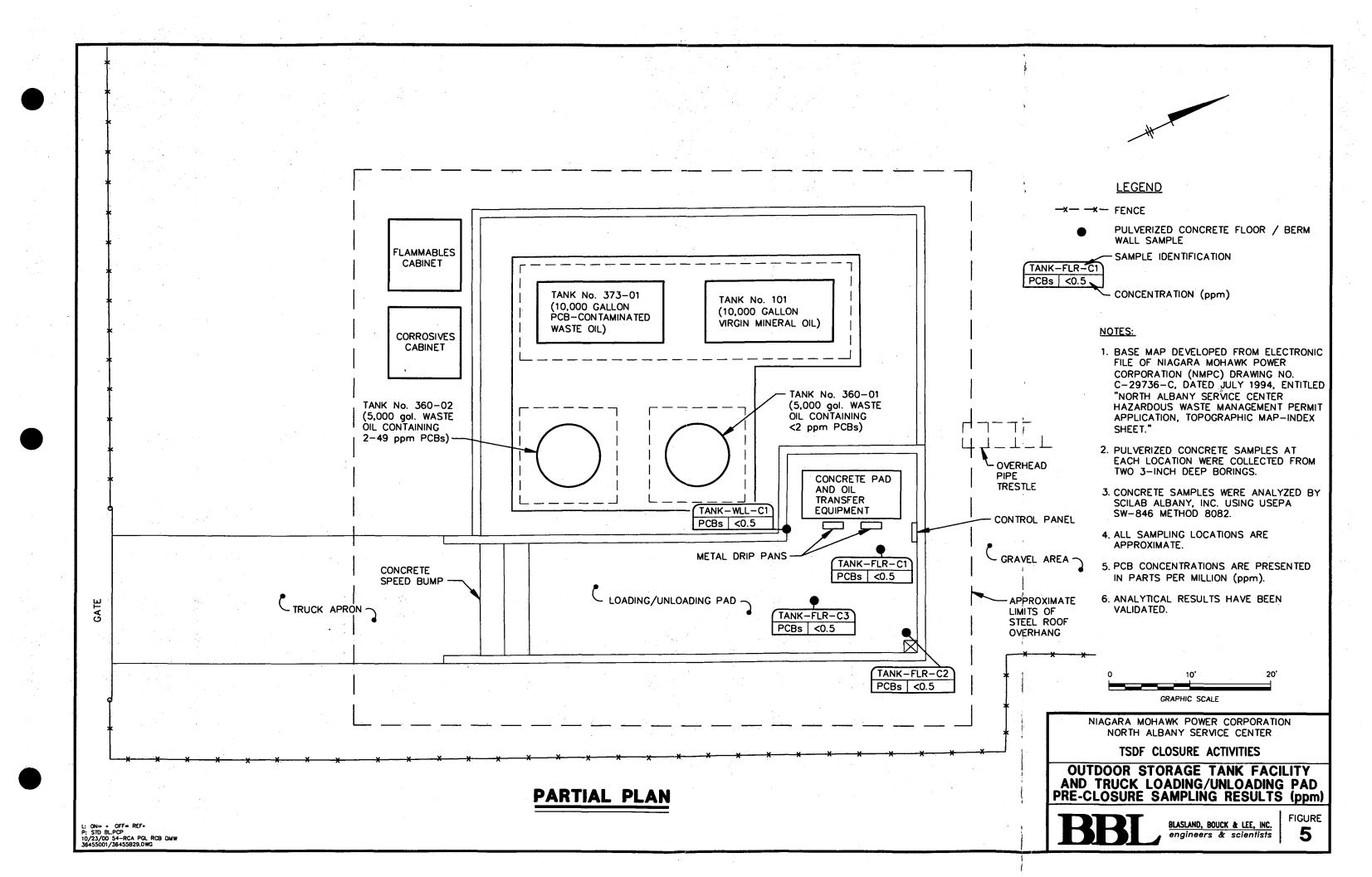
VERSAIRE HAZARDOUS WASTE STORAGE SHED PRE-CLOSURE SAMPLING RESULTS (ppm)

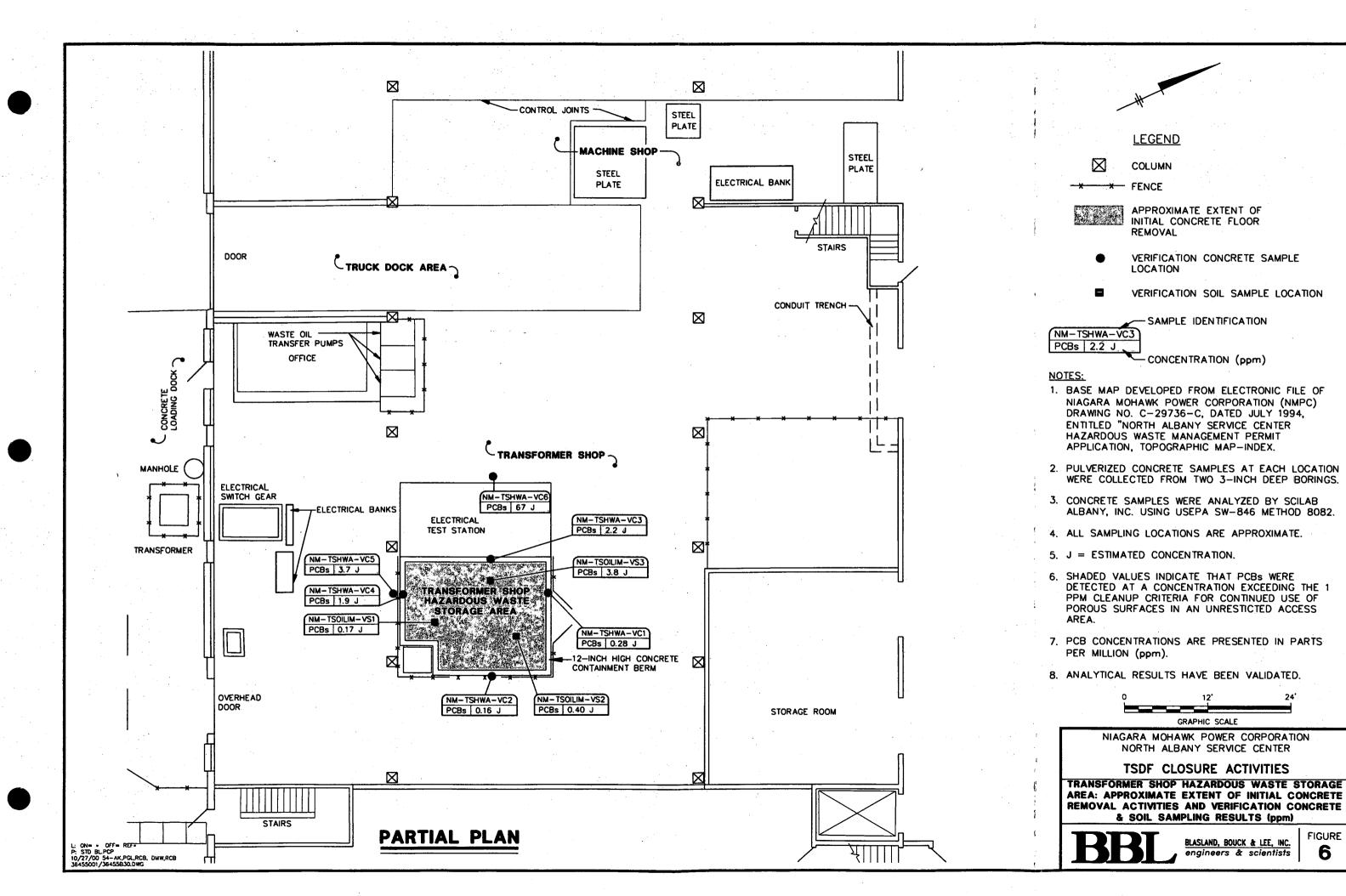


BLASLAND, BOUCK & LEE, INC. engineers & scientists

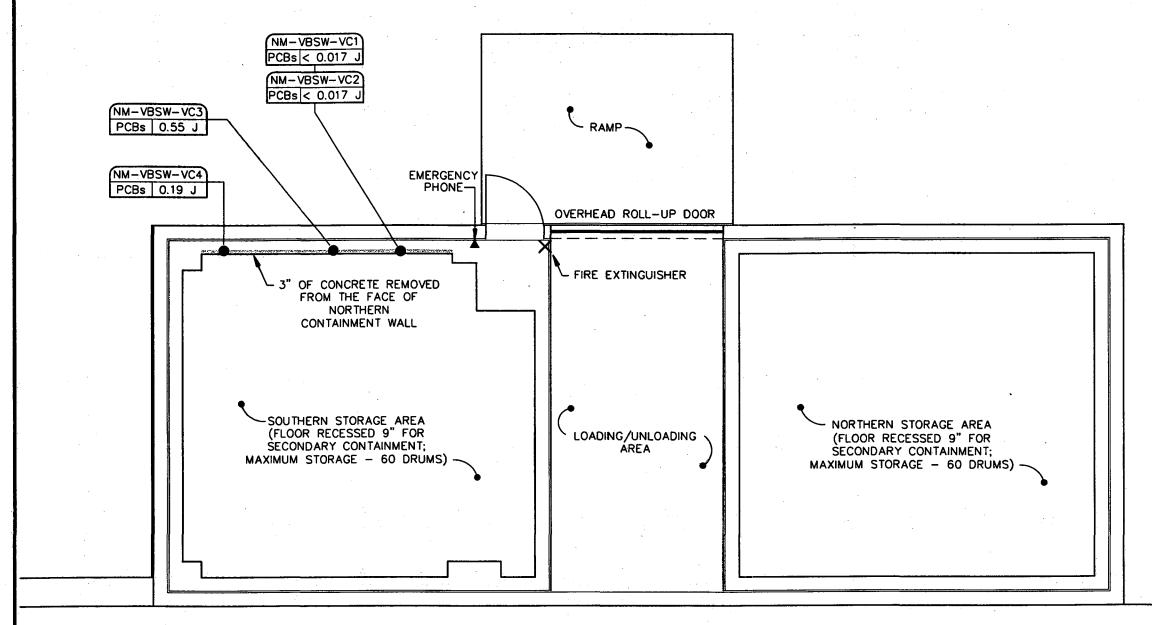
FIGURE

L: ON= • OFF= REF •
P: STD BL.PCP
12/18/00 54-- RCA RCB PGL DMW RCE









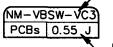
**LEGEND** 

PULVERIZED VERIFICATION CONCRETE RECESSED WALL SAMPLE



APPROXIMATE EXTENT OF CONCRETE CONTAINMENT WALL REMOVAL

-SAMPLE IDENTIFICATION



CONCENTRATION (ppm)

### NOTES:

- 1. BASE MAP DEVELOPED FROM ELECTRONIC FILE OF NIAGARA MOHAWK POWER CORPORATION (NMPC) DRAWING NO. C-29736-C, DATED JULY 1994, ENTITLED "NORTH ALBANY SERVICE CENTER HAZARDOUS WASTE MANAGEMENT PERMIT APPLICATION, TOPOGRAPHIC MAP-INDEX SHEET."
- 2. PULVERIZED CONCRETE SAMPLES AT EACH LOCATION WERE COLLECTED FROM TWO 3-INCH DEEP BORINGS.
- 3. CONCRETE SAMPLES WERE ANALYZED BY SCILAB ALBANY, INC. USING USEPA SW-846 **METHOD 8082.**
- 4. ALL SAMPLING LOCATIONS ARE APPROXIMATE.
- 5. J = ESTIMATED CONCENTRATION.
- 6. PCB CONCENTRATIONS ARE PRESENTED IN PARTS PER MILLION (ppm).
- 7. ANALYTICAL RESULTS HAVE BEEN VALIDATED.



NIAGARA MOHAWK POWER CORPORATION NORTH ALBANY SERVICE CENTER

# TSDF CLOSURE ACTIVITIES

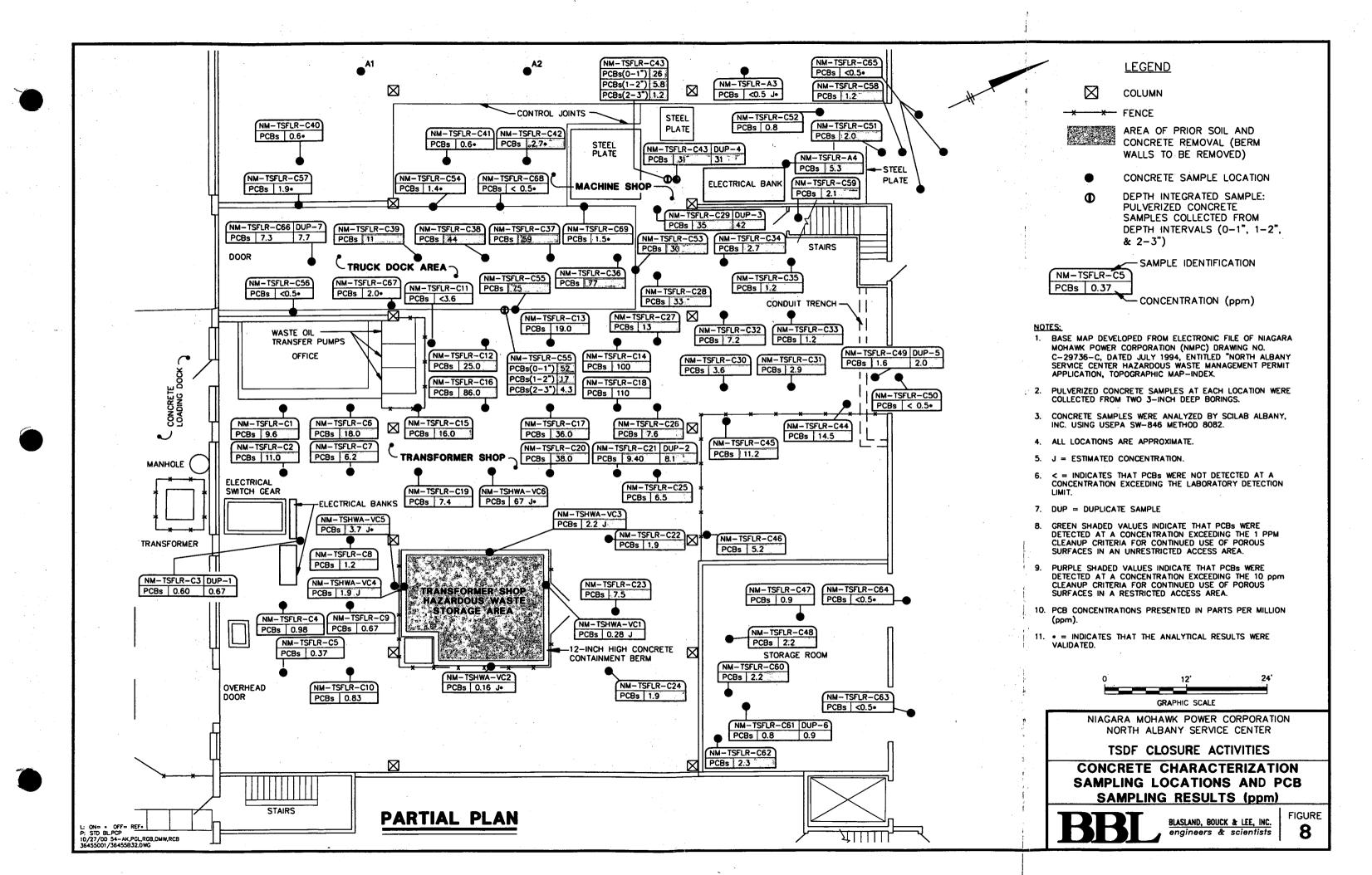
VERSAIRE HAZARDOUS WASTE STORAGE SHED APPROXIMATE EXTENT OF CONCRETE REMOVAL ACTIVITIES AND VERIFICATION CONCRETE SAMPLING RESULTS (ppm)

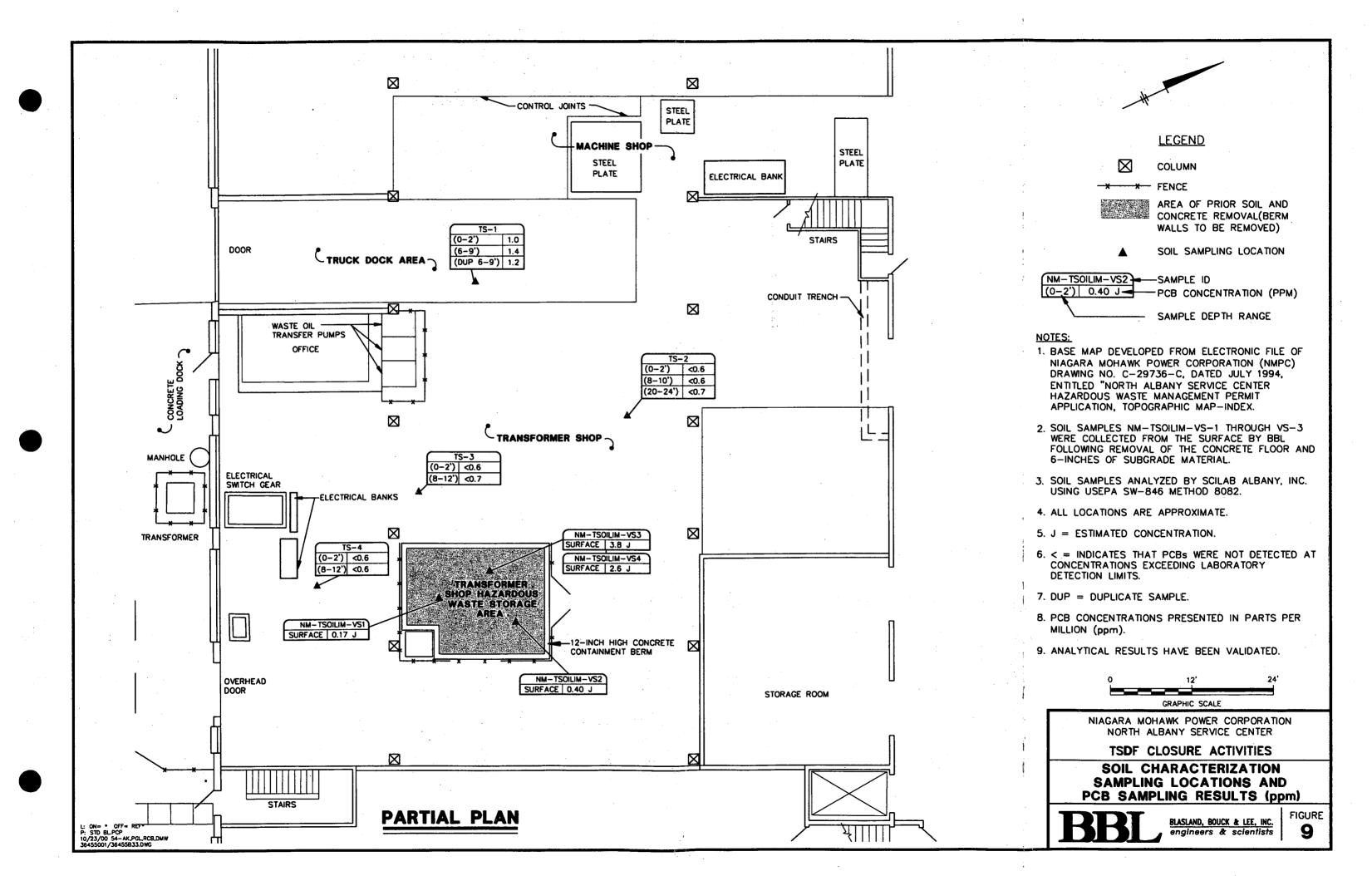


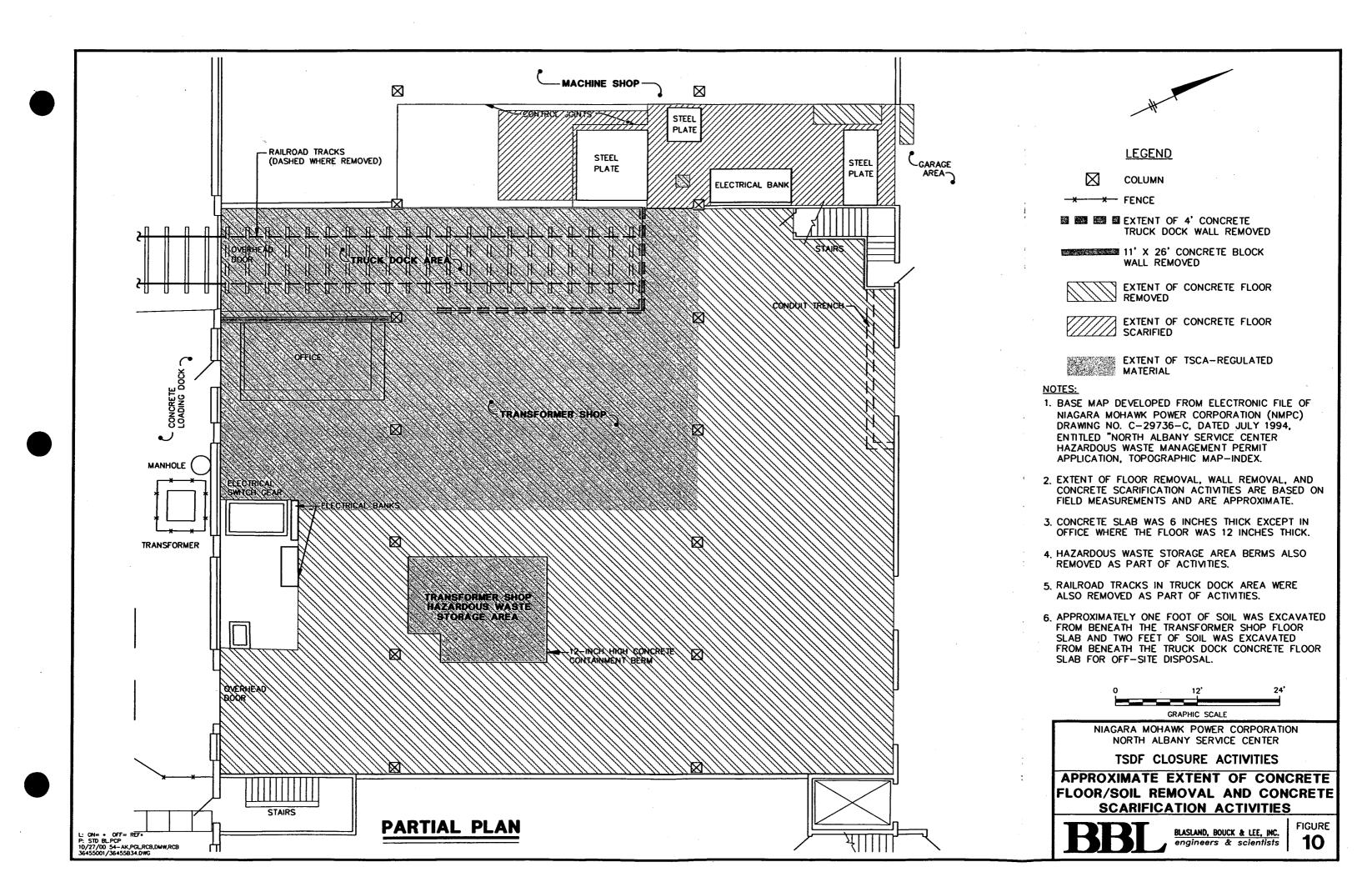
BLASLAND, BOUCK & LEE, INC. engineers & scientists FIGURE

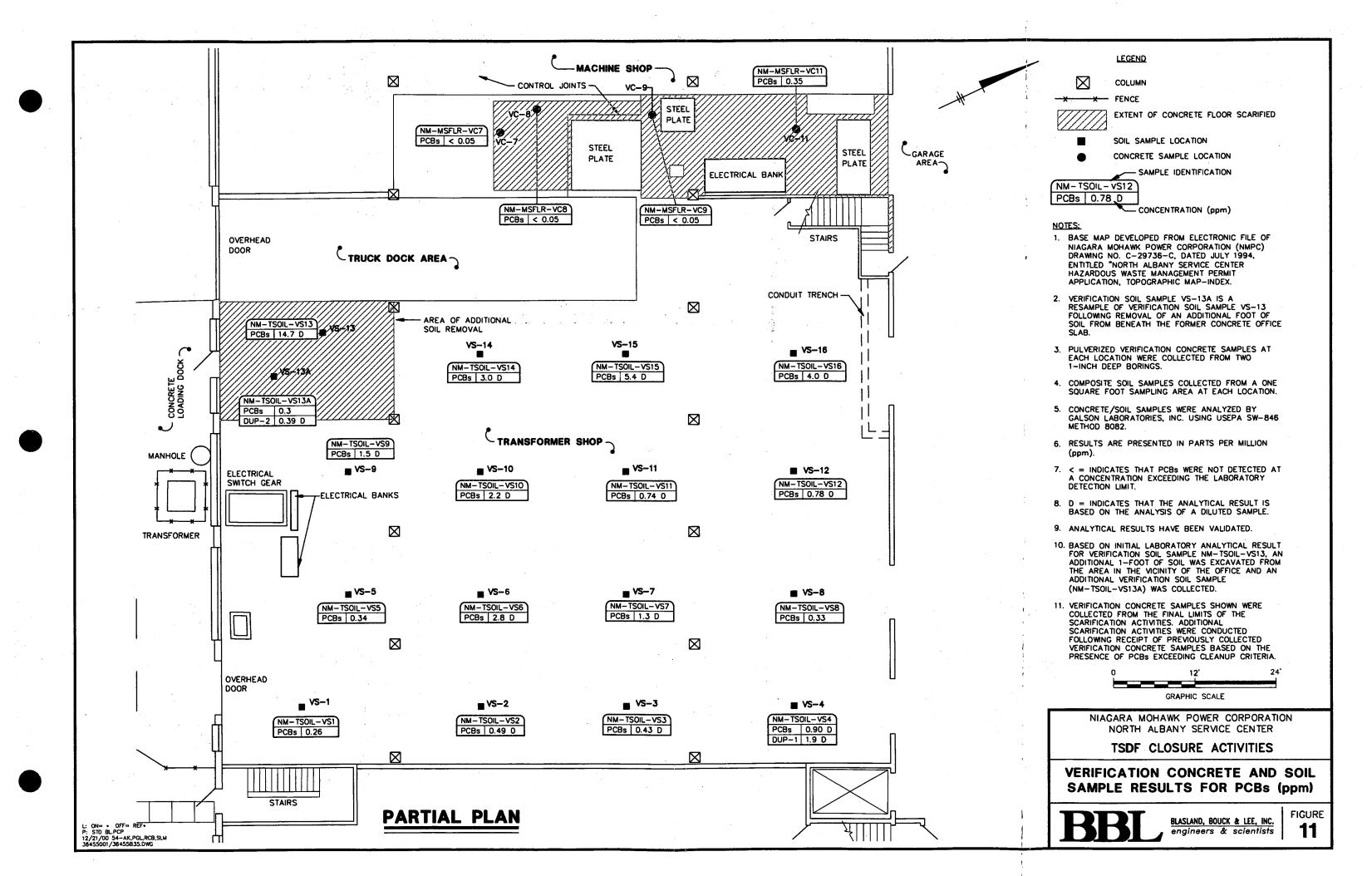
L: ON= • OFF= REF• P: STD BL PCP 12/18/00 54- RCA RCB PGL DMW RCB 36455001/36455831.DWG

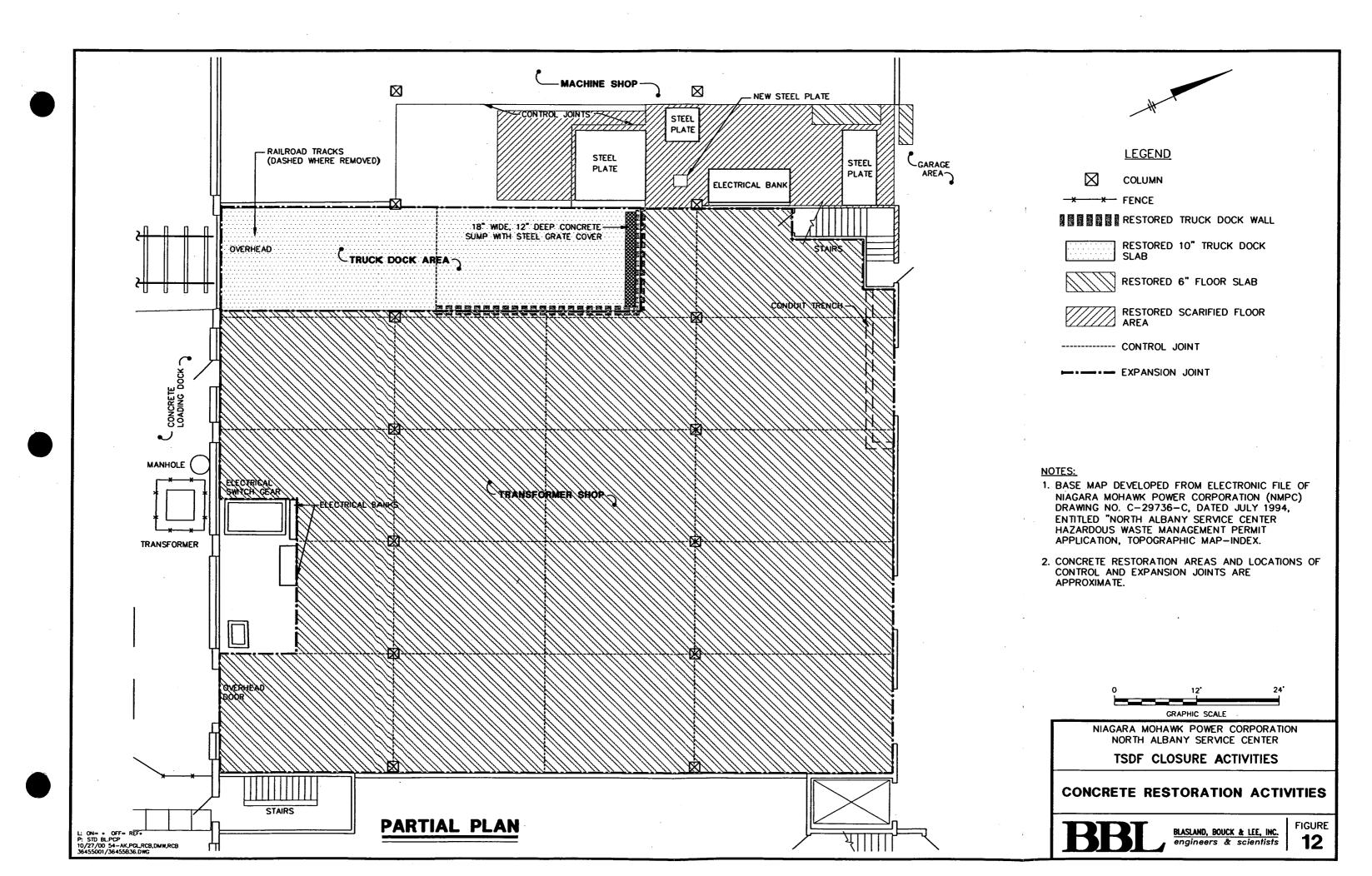
INTERIOR OF VERSAIRE BUILDING. NO. 1











# Appendices

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

# Appendix A - NYSDEC-Approved Closure Plan (Revision 4.0, January 17, 2000), June 14, 2000 Letter from NMPC to the NYSDEC

BLASLAND, BOUCK & LEE, INC.

## Hazardous Waste Management Permit

# Appendix F - Revised Closure Plan (Revision 4.0 - January 17, 2000)

## I. Introduction

This section of the Hazardous Waste Management Permit (HWMP) presents the Closure Plan (Revision 4 - January 17, 2000) for the North Albany Service Center permitted hazardous waste treatment, storage, and disposal facility (TSDF). Niagara Mohawk Power Corporation (NMPC) has determined that it will no longer be necessary to store hazardous wastes at the facility for periods of more than 90 days following closure of the North Albany Service Center TSDF. The Closure Plan presents protocols and procedures which will be used to close the North Albany Service Center TSDF.

In anticipation of the TSDF closure, pre-closure sampling activities were conducted to determine the presence and extent of PCBs within concrete containment structures associated with the following hazardous waste storage areas at the facility:

- <u>Transformer Shop Hazardous Waste Storage Area</u> Three concrete samples were collected from the floor and one concrete sample was collected from the walls of the containment berm for the Hazardous Waste Storage Area in the Transformer Shop;
- <u>Versaire Hazardous Waste Storage Shed</u> Three concrete samples were collected from the floor and one concrete sample was collected from the wall of the eastern containment area. Three concrete samples were collected from the floor and five concrete samples were collected from the walls of the western containment area; and
- <u>PCB-Contaminated Oil Storage Tank Area</u> Three concrete samples were collected from the floor and one concrete sample was collected from the walls of the containment berm for the truck loading/unloading pad (associated with the Outdoor Oil Tank Facility and Truck Loading/Unloading Pad).

The concrete samples were collected using a 1-inch diameter concrete bit advanced to a depth of approximately three inches below the concrete surface (in accordance with 40 CFR 761 Subpart N). Pulverized concrete collected at each sampling location was submitted to a New York State-certified laboratory for analysis using United States Environmental Protection Agency (USEPA) SW-846 Method 8082. The selected laboratory conducted the analyses in accordance with the laboratory analytical methods and quality assurance/quality control (QA/QC) procedures outlined in the Quality Assurance Project Plan (QAPjP) contained within the MGP/RCRA Investigation and Remedial Measures Evaluation Work Plan [Blasland, Bouck & Lee (BBL), March 1996)]. The analytical results obtained from the laboratory analysis of the concrete samples indicate that the floor of the Transformer Shop Hazardous Waste Storage Area and the northern wall of the western containment area in the Versaire Hazardous Waste Storage Shed contain PCBs at concentrations exceeding applicable cleanup criteria for porous surfaces as outlined in 40 CFR 761.61(a)(4)(iii). Consequently, corrective measures, as described under Section II, will be implemented to address these areas as part of the TSDF closure activities.

### II. Closure Plan

The TSDF closure activities will be completed within the Transformer Shop Hazardous Waste Storage Area,

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the Versaire Hazardous Waste Storage Shed, and the PCB-contaminated oil storage tank area. In addition, closure activities will be completed for the corrosives storage cabinet and the flammables storage cabinet which are located on the Building 2 loading dock. The closure activities will include the following:

 Disposal of Waste Inventory - All hazardous wastes which are present at the TSDF at the time of closure will be properly disposed of. For cost estimating purposes, NMPC has assumed that the quantity of waste present at the start of the closure activities will be the maximum storage capacity for the TSDF, as summarized below:

Hazardous Waste Storage Area	Maximum Volume of Hazardous Waste Present in Area at Time of Closure
Transformer Shop Hazardous Waste Storage Area	48 drums
Versaire Hazardous Waste Storage Shed	120 drums
Flammables storage cabinet	6 drums
Corrosives storage cabinet	6 drums
PCB-contaminated oil storage tank	10,000 gallons

2. PCB-Impacted Concrete Removal Activities - As discussed above, the analytical results for the TSDF pre-closure concrete sampling activities indicate that the concrete floor in the bermed Transformer Shop Hazardous Waste Storage Area and a portion of the northern wall of the western containment area in the Versaire Hazardous Waste Storage Shed contain PCBs at concentrations exceeding the applicable cleanup criteria for porous surfaces as outlined in 40 CFR 761.61(a)(4)(iii). Based on the results of the sampling activities, NMPC will implement removal activities in these areas. Following the removal activities, verification samples will be collected to confirm that remaining sections of concrete floor and/or containment walls do not contain PCBs at concentrations exceeding applicable cleanup criteria. Additional concrete removal activities will be performed (as necessary based on the verification sampling results) until PCB concentrations in the remaining concrete do not exceed applicable cleanup criteria. Verification sampling activities will consist of collecting pulverized concrete samples at the limits of the concrete removal areas. In addition, verification samples will be collected of the subgrade beneath removed sections of the Transformer Shop Hazardous Waste Storage Area floor slab to determine the presence and extent of PCBs at concentrations exceeding applicable criteria. Since the floor restoration activities will require replacement of the upper 6 inches of subgrade located immediately beneath the floor slab with 6 inches of select fill (to reduce potential settling of the replaced floor), the soil verification samples will be collected from the existing subgrade in the 6- to 12-inch depth interval (immediately below the material to be removed). The selected Contractor will place debris generated by the removal activities in rolloff waste containers. NMPC will transport the material for off-site disposal in accordance with applicable rules and regulations.

NMPC's selected Contractor will restore the floor of the Transformer Shop Hazardous Waste Storage Area and the northern wall of the western containment area in the Versaire Hazardous Waste Storage

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#### Appendix F - Revised Closure Plan (Revision 4.0 - January 17, 2000)

Shed to pre-corrective measure conditions. Restoration of these areas will include (but not be limited to) replacing the upper 6 inches of subgrade beneath the floor of the Transformer Shop Hazardous Waste Storage Area with select fill, placing new concrete in the removal areas, and applying a coating system to the restored areas.

- 3. <u>Surface Cleaning Activities</u> Following the concrete sampling and concrete removal activities (if necessary), cleaning activities will be performed in the following areas (excluding any areas where concrete has been removed):
  - Transformer Shop Hazardous Waste Storage Area The floor and interior surfaces of the 12-inch high concrete walls of the containment berm for the Hazardous Waste Storage Area will be cleaned three times using an industrial cleanser/degreaser (i.e., Biomight 100 or equivalent) and water. After each cleaning cycle, the surfaces will be rinsed with water. Following completion of the final rinse, deionized water will be decanted on a cleaned surface within the Transformer Shop Hazardous Waste Storage Area and collected for laboratory analysis to evaluate the effectiveness of decontamination procedures. The sampling protocol included as Exhibit 1 presents the sampling methodology that will be used to collect the confirmatory rinsate samples. The confirmation sample will be submitted for laboratory analysis for PCBs, volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and RCRA metals. The selected laboratory will conduct the analyses in accordance with the laboratory analytical methods and QA/QC procedures outlined in the QAPjP from the MGP/RCRA Investigation and Remedial Measures Evaluation Work Plan. The analytical results for the rinsate sample will be compared to the ground-water standards/guidance values presented in the New York State Department of Environmental Conservation (NYSDEC) Technical & Operational Guidance Series (TOGS) 1.1.1 document entitled "Ambient Water Quality Standards and Guidance Values and Ground-Water Effluent Limitations" dated June 1998. If elevated concentrations of PCBs, VOCs, SVOCs, or metals are detected in the rinsate sample (as compared to the ground-water standards/guidance values presented in TOGS 1.1.1), NMPC's contractor will repeat the cleaning process for the Transformer Shop Hazardous Waste Storage Area.

The exterior surfaces of the waste oil transfer pumps and equipment used to transfer hazardous waste containers (i.e., fork lifts, overhead hoists, etc.) will be cleaned three times using an industrial cleanser/degreaser and water. In addition, interior surfaces of the steel containment basin for the waste oil transfer pumps will be cleaned three times using an industrial cleanser/degreaser and water. After each cleaning cycle, the surfaces will be rinsed with water. Following cleaning, one verification wipe sample will be collected from the exterior surface of the waste oil transfer pump that is used to pump oil to the PCB-contaminated oil storage tank, three verification wipe samples will be collected from equipment used to transfer the hazardous waste containers, and three verification wipe samples will be collected from the interior surfaces of the containment basin. The sampling protocol included as Exhibit 1 presents the sampling methodology that will be used to collect surface wipe samples. The surface wipe samples will be submitted for laboratory analysis for PCBs. The selected laboratory will conduct the analyses in accordance with the laboratory analytical methods and QA/QC procedures outlined in the QAPjP from the MGP/RCRA Investigation and Remedial Measures Evaluation Work Plan. The analytical results for the

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verification wipe samples will be used to determine whether PCBs are present on the decontaminated equipment surfaces at concentrations exceeding applicable cleanup criteria (i.e.,  $10 \,\mu g/100 \, cm^2$  as required by the USEPA PCB Spill Cleanup Policy). If the analytical results for the surface wipe samples indicate the presence of PCBs at concentrations exceeding  $10 \,\mu g/100 \, cm^2$ , the cleaning process will be repeated for the appropriate area(s).

<u>Versaire Hazardous Waste Storage Shed</u> - The floors and walls of the two recessed containment areas within the Versaire Hazardous Waste Storage Shed will be cleaned three times using an industrial cleanser/degreaser and water. After each cleaning cycle, the surfaces will be rinsed with water. Following completion of the final rinse, deionized water will be decanted on a cleaned surface within each of the two containment areas in the Versaire Hazardous Waste Storage Shed and collected (as two samples) for laboratory analysis to evaluate the effectiveness of decontamination procedures. The sampling protocol included as Exhibit 1 presents the sampling methodology that will be used to collect the confirmatory rinsate samples. The confirmation samples will be submitted for laboratory analysis for PCBs, VOCs, SVOCs, and RCRA metals. The selected laboratory will conduct the analyses in accordance with the laboratory analytical methods and QA/QC procedures outlined in the QAPiP from the MGP/RCRA Investigation and Remedial Measures Evaluation Work Plan. The analytical results for the rinsate samples will be compared to the ground-water standards/guidance values presented in TOGS 1.1.1. If elevated concentrations of PCBs, VOCs, SVOCs, or metals are detected in the rinsate samples (as compared to the ground-water standards/guidance values presented in TOGS 1.1.1), NMPC's contractor will repeat the cleaning process for the appropriate area(s).

The exterior surfaces of equipment used to transfer hazardous waste containers in the Versaire Hazardous Waste Storage Shed will be cleaned three times with an industrial cleanser/degreaser and water. After each cleaning cycle, the surfaces will be rinsed with water. Following cleaning, three verification wipe samples will be collected from the equipment used to transfer hazardous waste containers. The sampling protocol included as Exhibit 1 presents the sampling methodology that will be used to collect the surface wipe samples. The surface wipe samples will be submitted for laboratory analysis for PCBs. The selected laboratory will conduct the analyses in accordance with the laboratory analytical methods and QA/QC procedures outlined in the QAPjP from the MGP/RCRA Investigation and Remedial Measures Evaluation Work Plan. The analytical results for the verification wipe samples will be used to determine whether PCBs are present on the decontaminated equipment surfaces at concentrations exceeding 10 µg/100 cm<sup>2</sup>. If the analytical results for the surface wipe samples indicate the presence of PCBs at concentrations exceeding 10 µg/100 cm<sup>2</sup>, the cleaning process will be repeated for the appropriate area(s).

• <u>PCB-Contaminated Oil Storage Tank Area</u> - At closure, the PCB-contaminated oil storage tank will be emptied of any free-flowing liquid or sludge. After emptying the tank, approximately 800 gallons of solvent in which PCBs are readily soluble (e.g., mineral oil) will be pumped through the piping which connects the oil transfer pump located in the Transformer Shop to the PCB-contaminated oil storage tank. In addition, approximately 200 gallons of solvent will be pumped through the piping which connects a 3-inch diameter pipe coupling (in the truck loading/unloading

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pad within the enclosure for the PCB-contaminated oil storage tank area) to the PCB-contaminated oil storage tank. The solvent will be collected from the PCB-contaminated oil storage tank and containerized for re-use or disposal (as discussed below).

After cleaning the piping, the interior of the tank will be flushed three times with solvent, cleaned using an industrial cleanser/degreaser (Bio-Might 100 or equivalent), and rinsed with water. The volume of solvent used for the tank flushing activities will be approximately 10% of the capacity of the tank (for each flush). The cleaning of the tank interior will be conducted in accordance with the PCB-container decontamination protocols presented in 40 CFR 761.79 (i.e. triple solvent flush). The solvent used to flush the tank will be squeegeed and pumped out using a vacuum truck. The solvent removed from the tank during each flush cycle (including the solvent used to flush the pumps and piping) may be re-used for subsequent flushing based on field test results (using Clor-N-Oil field test methods) which indicate that PCB concentrations in the containerized solvent are at acceptable levels for re-use (e.g., less than 50 ppm) in accordance with the decontamination standards and procedures presented in 40 CFR 761.79. After flushing the tank with solvent, interior surfaces of the tank will be cleaned three times using an industrial cleanser/degreaser and water. After each cleaning cycle, the surfaces will be rinsed with water. Following the tank cleaning activities, three verification wipe samples will be collected from interior surfaces of the tank. The sampling protocol included as Exhibit 1 presents the sampling methodology that will be used to collect the surface wipe samples. The surface wipe samples will be submitted for laboratory analysis for PCBs. The selected laboratory will conduct the analyses in accordance with the laboratory analytical methods and QA/QC procedures outlined in the QAPjP from the MGP/RCRA Investigation and Remedial Measures Evaluation Work Plan. The analytical results for the verification wipe samples will be used to determine whether PCBs are present on the interior surfaces of the tank at concentrations exceeding 10 µg/100 cm<sup>2</sup>. If the analytical results for the surface wipe samples indicate the presence of PCBs at concentrations exceeding 10 μg/100 cm<sup>2</sup>, the cleaning process will be repeated for the appropriate area(s).

As part of the closure activities for the PCB-contaminated oil storage tank area, the exterior surfaces of the tank, interior surfaces of the spill containment area for the tank, and interior surfaces of the spill containment area for pipe couplings in the truck loading/unloading area will be cleaned three times using an industrial cleanser/degreaser and water. After each cleaning cycle, the surfaces will be rinsed with water. Following cleaning, three verification wipe samples will be collected from the exterior surfaces of the tank, three verification wipe samples will be collected from the interior surfaces of the spill containment area for the tank, and one verification wipe sample will be collected from the interior surfaces of the spill containment area for the pipe couplings in the truck loading/unloading area. The sampling protocol included as Exhibit 1 presents the sampling methodology that will be used to collect the surface wipe samples. The surface wipe samples will be submitted for laboratory analysis for PCBs. The selected laboratory will conduct the analyses in accordance with the laboratory analytical methods and QA/QC procedures outlined in the QAPjP from the MGP/RCRA Investigation and Remedial Measures Evaluation Work Plan. The analytical results for the verification wipe samples will be used to determine whether PCBs are present on the decontaminated surfaces at concentrations exceeding

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 $10 \,\mu\text{g}/100 \,\text{cm}^2$ . If the analytical results for the surface wipe samples indicate the presence of PCBs at concentrations exceeding  $10 \,\mu\text{g}/100 \,\text{cm}^2$ , the cleaning process will be repeated for the appropriate area(s).

NMPC plans to leave the PCB-contaminated oil storage tank in-place for future storage of non-hazardous waste oil after cleaning the interior and exterior surfaces of the tank. Therefore, an internal and external inspection of the tank will be performed in accordance with American Petroleum Institute (API) Standard 653 to visually assess the condition of the tank (to confirm that the tank is suitable for future storage of non-hazardous waste oil). The inspection will be performed by an API-qualified and certified vessel inspector.

In addition to the surface cleaning activities described above, the floor and concrete walls of the containment berm for the truck loading/unloading area will be cleaned three times using an industrial cleanser/degreaser and water. After each cleaning cycle, the surfaces will be rinsed with water. Following completion of the final rinse, deionized water will be decanted on a cleaned surface within the truck loading/unloading area and collected for laboratory analysis to evaluate the effectiveness of decontamination procedures. The sampling protocol included as Exhibit 1 presents the sampling methodology that will be used to collect the confirmatory rinsate sample. The confirmation sample will be submitted for laboratory analysis for PCBs, VOCs, SVOCs, and RCRA metals. The selected laboratory will conduct the analyses in accordance with the laboratory analytical methods and QA/QC procedures outlined in the QAPjP from the MGP/RCRA Investigation and Remedial Measures Evaluation Work Plan. The analytical results for the rinsate sample will be compared to the ground-water standards/guidance values presented in TOGS 1.1.1. If elevated concentrations of PCBs, VOCs, SVOCs, or metals are detected in the rinsate sample (as compared to the ground-water standards/guidance values presented in TOGS 1.1.1), NMPC's contractor will repeat the cleaning process for the truck loading/unloading area.

Flammables Storage Cabinet and Corrosives Storage Cabinet - Interior and exterior surfaces of the Flammables Storage Cabinet and Corrosives Storage Cabinet will be cleaned three times with an industrial cleanser/degreaser and water. After each cleaning cycle, the surfaces will be rinsed with water. Following completion of the final rinse, two volumes of deionized water (one for each storage cabinet) will be decanted on cleaned surfaces within each cabinet and collected for laboratory analysis to evaluate the effectiveness of decontamination procedures. The sampling protocol included as Exhibit 1 presents the sampling methodology that will be used to collect the confirmatory rinsate samples. The confirmation rinsate sample from the Flammables Storage Cabinet will be submitted for laboratory analysis for VOCs and the confirmation rinsate sample from the Corrosives Storage Cabinet will be submitted for laboratory pH analysis. The selected laboratory will conduct the analyses in accordance with the laboratory analytical methods and QA/QC procedures outlined in the QAPjP from the MGP/RCRA Investigation and Remedial Measures Evaluation Work Plan. The analytical results for the rinsate samples will be compared to the ground-water standards/guidance values presented in TOGS 1.1.1 to determine if additional cleaning of the cabinets is necessary.

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#### Appendix F - Revised Closure Plan (Revision 4.0 - January 17, 2000)

#### III. Decontamination and Disposal Activities

The Contractor selected by NMPC to perform the TSDF closure activities will be responsible for decontaminating all equipment and materials which will be reused for future projects. In addition, the Contractor will be responsible for containerizing and transporting all waste materials generated by the closure activities for off-site disposal in accordance with applicable rules and regulations. The Contractor will be required to obtain representative samples of the wastes generated during the closure activities for analysis using the methods specified in Appendix 19 of Part 371. The analytical procedures which the Contractor will be required to use are specified under Appendix 21 of Part 371 and 40 CFR 761.60(g). After sampling and analysis are completed, the waste materials will be transported off-site for disposal in accordance with applicable regulations.

#### IV. Closure Schedule

The estimated milestones for final closure of the North Albany TSDF are as follows:

Milestone #1: The TSDF will no longer receive PCB oil, PCB solids, capacitors, or solvent-contaminated mineral oil after mid-September 1999. Upon receipt of the final volume of waste (in mid-September 1999), all hazardous wastes will be treated, removed off-site or disposed of on-site within 90 days. NMPC anticipates that all closure activities will be completed within 90 days (by mid-December 1999).

Milestone #2: Decontamination of the storage facility is tentatively scheduled for completion during December 1999.

Milestone #3: The existing HWMP for the TSDF expires on January 5, 2000.

A "Certification of Closure" certified by an independent registered New York State Professional Engineer will be submitted to the New York State Department of Environmental Conservation (NYSDEC) within 60 days after completion of closure.

#### V. Closure Cost Estimate

An estimate of the cost of closing the storage facility is provided in Table 1 - TSDF Closure Cost Estimate. The closure cost estimate has been revised to incorporate the changes presented in the Closure Plan (Revision 1 - August 27, 1999). The closure cost estimate was produced by a qualified consultant taking into account the following specific requirements for proper closure:

- 1. Source of labor;
- 2. Cost of labor;
- 3. Cost of equipment;
- 4. Cost of closure certification;
- 5. Contingency cost (20% of the total cost); and
- 6. Administrative cost (10% of the total cost).

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The closure cost estimate is based on the extent and manner of the facility's operation that will make closure the most expensive.



Transmitted Via U.S. Mail

June 14, 2000

Mr. James R. Meacham
Environmental Engineer
Division of Solid & Hazardous Materials
New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233-7252

Re: Niagara Mohawk Power Corporation
North Albany Service Center
TSDF Closure Activities
USEPA ID# NYD000730408
Hazardous Waste Permit No. 4-0101-0014/00004-0

Dear Mr. Meacham:

This letter presents the results of additional concrete sampling activities conducted as part of the on-going hazardous waste treatment, storage, and disposal facility (TSDF) closure activities at the Niagara Mohawk Power Corporation (NMPC) North Albany Service Center. This letter also presents NMPC's proposed approach for addressing the presence of PCBs identified in concrete samples collected as part of the TSDF closure activities. The additional concrete sampling activities summarized in this letter were conducted by Blasland, Bouck & Lee, Inc. (BBL) to further define the extent of PCBs in concrete in the Transformer Shop, an adjacent truck dock area, and the Machine Shop inside Building 2 at the North Albany Service Center. A summary of the sampling activities and results is presented below followed by NMPC's proposed approach for addressing the concentrations of PCBs detected in the concrete samples.

#### **Background**

An initial phase of TSDF closure activities was conducted during February and March 2000. As part of the initial closure activities, BBL collected concrete verification samples (in several separate phases) to characterize the extent of PCBs in the Transformer Shop concrete floor. A summary of the sampling events conducted through March 6, 2000 and corresponding laboratory sample results was previously presented in NMPC's March 14, 2000 letter to the New York State Department of Environmental Conservation (NYSDEC). Based on the results of the concrete sampling events described in our March 14, 2000 letter, additional sampling was required to further define the extent of PCBs within concrete in the Transformer Shop and within areas adjacent to the Transformer Shop, including the truck dock area and the Machine Shop.

#### **Additional Sampling Activities**

The additional sampling activities conducted in connection with the TSDF closure activities in the Transformer Shop, the truck dock area, and the Machine Shop include the following:

• Collecting concrete samples to further define the extent of PCBs within the Transformer Shop floor, the truck dock area, and the Machine Shop floor on March 15, 2000, March 22, 2000. March 29, 2000, and April 4, 2000; and

Completing soil borings to evaluate subsurface conditions beneath the Transformer Shop floor and truck dock area, and collecting subsurface soil samples to determine whether PCBs were present in subgrade soil beneath the concrete floor slab on April 4 and 5, 2000.

Concrete samples were collected by BBL on March 15, 2000, March 22, 2000, March 29, 2000, and April 4, 2000 in the Transformer Shop, the truck dock area, and the Machine Shop. The concrete sampling locations (shown on Figure 1) were selected based on the results of the previous sampling events and focused on delineating the extent of PCB-impacted concrete in each sampling area. Forty eight additional concrete samples (including required QA/QC samples) collected during the four sampling events were submitted for laboratory analysis for PCBs.

On April 4 and 5, 2000, BBL's drilling subcontractor, Parratt-Wolff, Inc., completed four soil borings using a two-inch diameter split-spoon sampling device that was driven into the soil by a 140 pound hammer until refusal was encountered. Subsurface conditions encountered at each soil boring location (locations are presented on Figure 2) are summarized on the soil boring logs presented in Attachment 1. Soil samples collected from the 0- to 2-foot depth interval at each boring location were submitted for laboratory analysis for PCBs. Based on subsurface soil conditions encountered at each boring location, BBL also submitted a sample from each soil boring for laboratory analysis for PCBs, VOCs, SVOCs, and inorganic constituents. PCB analytical results obtained for the laboratory analysis of the soil samples collected from the Transformer Shop and the truck dock area are described below. Analytical results obtained for the analysis of the soil samples for VOCs, SVOCs, and inorganic constituents will be incorporated into the Manufactured Gas Plant (MGP) Investigation for the site and will be presented to the NYSDEC in a separate letter.

The concrete and soil samples were submitted to SciLab (SciLab) in Latham, New York for laboratory analysis for PCBs using USEPA SW-846 Method 8082. Required quality assurance/quality control (QA/QC) samples were collected and submitted for laboratory analysis in accordance with the NYSDEC-approved TSDF Closure Plan. Laboratory results for the analysis of the PCB samples were reported using NYSDEC Category B deliverables and are currently being reviewed by BBL's data validation staff. Analytical results obtained for the laboratory analysis of the PCB samples are summarized below.

#### Sampling Results

PCB analytical results obtained for the analysis of the concrete samples collected in the Transformer Shop, the truck dock area, and the Machine Shop are summarized in Table 1 and shown on Figure 1 (Figure 1 includes the PCB results previously transmitted to the NYSDEC). PCB analytical results obtained for the analysis of the soil samples collected from the soil borings completed in the Transformer Shop and the truck dock area are listed in Table 2 and shown on Figure 2 (Figure 2 includes the verification samples collected following removal of the concrete floor slab for the Transformer Shop hazardous waste storage area). Laboratory results obtained for the analysis of the concrete and soil samples indicate the following:

- PCBs were detected in thirty four of the additional concrete samples collected from the Transformer Shop floor, the truck dock area, and the Machine Shop floor at concentrations greater than 1 ppm; and
- PCBs were not detected in soil samples collected from the 0- to 2-foot depth interval at the boring locations in the Transformer Shop and the truck dock area at concentrations exceeding 1 ppm. PCBs were not detected in the subsurface soil samples recovered for the soil borings in the Transformer Shop and the truck dock area at concentrations exceeding 10 ppm.

Based on the results of the sampling activities, the limits of PCB-impacted concrete within the Transformer Shop, the truck dock area, and the Machine Shop have been adequately delineated. The sampling results also indicate that soil beneath the floor slab in the Transformer Shop and the truck dock area do not contain PCBs at concentrations exceeding the 10 ppm subsurface soil cleanup objective presented in the NYSDEC document entitled, "Technical and Administrative Guidance Memorandum, Soil Cleanup Objectives and

Guidance Values (TAGM 4046, January 1994). Concrete removal activities which are proposed to address the presence of PCBs within concrete in the Transformer Shop, the truck dock area, and the Machine Shop are presented below.

#### **Proposed Concrete Removal Activities**

NMPC proposes to implement additional TSDF closure activities in order to address the presence of PCBs identified in the concrete samples. The additional TSDF closure activities will include removing and replacing the Transformer Shop concrete floor slab, select sections of the truck dock area, and scarifying and replacing a portion of the concrete floor located in the Machine Shop. The proposed concrete removal limits in the Transformer Shop, the truck dock area, and the Machine Shop are shown on Figure 3.

In accordance with the self-implementing cleanup and disposal guidelines for PCB remediation waste as outlined in 40 CFR 761.61, the concrete floor of the Transformer Shop and Machine Shop are classified as porous surfaces in high occupancy areas. In accordance with 40 CFR 761.61(a)(4)(i)(A), NMPC proposes to use a PCB cleanup objective of 1.0 ppm for porous surfaces located in the Transformer Shop and the Machine Shop. The 6-inch thick concrete floor slab within the Transformer Shop will be removed and replaced. Analytical results for previous concrete samples indicate that PCBs are not present in concrete at the limits of the removal area in the Transformer Shop at concentrations exceeding 1 ppm. Therefore, verification samples will not be collected following concrete removal in the Transformer Shop. In order to facilitate replacement of the floor slab in the Transformer Shop, 12 inches of subgrade material located beneath the floor slab will be removed (for structural purposes). Soil verification samples will be collected following the removal of the subgrade material underlying the Transformer Shop floor slab. Specific areas of the concrete floor in the Machine Shop will be scarified to a depth of one-half inch and the resulting concrete debris will be removed. Verification concrete samples will be collected from the Machine Shop floor surface following scarification activities. Concrete debris generated by the concrete removal activities in the Transformer Shop and the Machine Shop will be disposed of off-site as either non-Toxic Substances Control Act (TSCA) or TSCA waste (based on PCB concentrations identified in the removal areas) in accordance with applicable regulations. Waste characterization samples of the subgrade material will be collected and analyzed to evaluate appropriate off-site disposal in accordance with applicable regulations. The 12-inches of removed subgrade material will be replaced with two 6-inch layers of light-weight aggregate base course. A 6-inch thick concrete floor will be poured on top of the aggregate base course to form the new floor slab in the Transformer Shop. The scarified concrete floor area in the Machine Shop will be replaced with an epoxy resin mortar finished to match existing conditions.

Based on the guidelines outlined in 40 CFR 761.61, the concrete walls and floor of the truck dock area are classified as porous surfaces in a low occupancy area. The USEPA TSCA regulations presented in 40 CFR 761.61 (a)(4)(i)(B) establish a 25 ppm cleanup criteria for porous surfaces in low occupancy areas. However, NMPC proposes to utilize the 10 ppm cleanup criteria for subsurface soil presented in NYSDEC TAGM 4046 as the cleanup objective for concrete located in the truck dock area. Select portions of the truck dock walls and the entire truck dock floor slab and underlying 12-inches of subgrade material will be removed and replaced. Analytical results from previous sampling activities indicate that concrete at the proposed limits of concrete removal in the truck dock area does not contain PCBs at concentrations exceeding 10 ppm. Therefore, concrete verification samples will not be collected following removal activities in the truck dock area. Soil verification samples will be collected following removal of the subgrade material underlying the truck dock area floor slab. Concrete debris generated by the concrete removal activities in the truck dock area will be disposed of off-site as TSCA-regulated waste (based on PCB concentrations greater than 50 ppm) in accordance with applicable regulations. Waste characterization samples of the subgrade material will be collected and analyzed to determine appropriate off-site disposal in accordance with applicable regulations. A 10-inch thick concrete slab will be poured on top of a new 12inch thick light-weight aggregate base course to form the new floor slab in the truck dock area. Removed sections of the truck dock walls will also be replaced.

NMPC trusts that the proposed concrete removal activities described above will be acceptable to the NYSDEC. Please do not hesitate to contact me at (315) 428-3490 if you have any questions or require additional information.

Sincerely,

Robert J. Cazzolli Environmental Analyst

P:\CMD\2000\46401750.WPD

cc: Mr. John T. Spellman, P.E. New York State Department of Environmental Conservation

Mr. Jeffery Gregg, New York State Department of Environmental Conservation

Mr. Clifford Van Guilder, P.E., New York State Department of Environmental Conservation

Mr. J. Reidy/Mr. P. Masters, USEPA - Region II, Hazardous Waste Facility Branch

Mr. Joseph Clore, USEPA - Region II, Office of Policy and Management

Mr. Jean Robert Jean, United States Environmental Protection Agency

Mr. James F. Morgan, Niagara Mohawk Power Corporation

Mr. Michael W. Sherman, Niagara Mohawk Power Corporation

William J. Holzhauer, Esq., Niagara Mohawk Power Corporation

Mr. Theodore White, Niagara Mohawk Power Corporation

Ms. Barbara Zacharek, Niagara Mohawk Power Corporation

Mr. David J. Ulm, Blasland, Bouck & Lee, Inc.

(azzoli/mer

Mr. Michael C. Jones, Blasland, Bouck & Lee, Inc.

# TSDF Closure Activities Concrete Samples Analytical Results for Total PCBs (ppm)

ार - अल्लाहरका	ं अक्तानिविधित्वक्तारम् इ.स.च्यानिविधित्वक्तारम्
	KUIÚ
NM-TSFLR-C40	0.5
NM-TSFLR-C41	0.5
NM-TSFLR-C42	1.7
NM-TSFLR-C43	31
NM-TSFLR-C44	14.5
NM-TSFLR-C45	11.2
NM-TSFLR-C46	5.2
NM-TSFLR-A3	<0.5
NM-TSFLR-A4	5.3
NM-TSFLR-DUP4 (C43)	31
Sample-College: 19th (1999)	
NM-TSFLR-C47	0.9
NM-TSFLR-C48	2.2
NM-TSFLR-C49	1.6
NM-TSFLR-C50	0.3J
NM-TSFLR-C51	2
NM-TSFLR-C52	0.8
NM-TSFLR-C53	30
NM-TSFLR-C54	1.4
NM-TSFLR-C55	75
NM-TSFLR-DUP5 (C49)	2
Sample र देशीहर (इ.स.) का का कर है।	, -{UU)
NM-TSFLR-C55A (0-1)	52
NM-TSFLR-C55B (1-2)	17
NM-TSFLR-C55C (2-3)	4.3
NM-TSFLR-C56	<0.5
NM-TSFLR-C57	1.9
NM-TSFLR-C58	1.2
NM-TSFLR-C59	2.1
NM-TSFLR-C60	2.2
NM-TSFLR-C61	0.8
NM-TSFLR-C62	2.3
DUP-6 (C61)	0.90
श्रिक्तावृक्षि स्वाहितस्त्रो <b>ः गृ</b> त्राहितः	VXV
NM-TSFLR-C43A	26
NM-TSFLR-C43B	5.8
NM-TSFLR-C43C	1.20
NM-TSFLR-C63	<0.5
NM-TSFLR-C64	<0.5

# TSDF Closure Activities Concrete Samples Analytical Results for Total PCBs (ppm)

Sample (1)	in the property of the constant of the constan
NM-TSFLR-C65	<0.5
NM-TSFLR-C66	7.3
NM-TSFLR-C67	2
NM-TSFLR-C68	·<0.5
NM-TSFLR-C69	1.5
NM-TSFLR-DUP7 (C66)	7.7

#### Notes:

- 1. Samples collected by Blasland, Bouck & Lee, Inc. (BBL) during March and April 2000
- Samples were analyzed by Scilab Albany, Inc. using USEPA SW-846 Method 8082 as referenced in the New York State Department of Environmental Conservation (NYSDEC) 1995 Analytical Services Protocol (ASP).
- 3. Concentrations reported in parts per million (ppm) or milligrams per kilogram (mg/kg).
- 4. Sample designations indicate the following:

NM = Niagara Mohawk Power Corporation;

TSFLR = Transformer Shop floor;

A3, A4 = Machine Shop floor;

DUP = Duplicate sample;

C = Concrete sample; and

55A (0-1) = Depth integrated sample (depth range in inches).

- 5. <= Indicated each aroclor was not detected above the presented concentration.
- 6. Analytical results have not been validated.

# TSDF Closure Activities Soil Sample Analytical Results for Total PCBs (ppm)

Samutar)	anguigue ann a
Simple-colleged shift	
TS-2 (0-2)	<0.05
TS-2 (8-10)	<0.05
TS-3 (0-2)	<0.05
TS-3 (8-12)	<0.05
TS-4 (0-2)	<0.05
Samule Callegrational	SA ZIUD
TS-1 (0-2)	0.8
TS-1 (6-9)	1.2
TS-4 (8-12)	<0.6
DUP-1	1.0

#### Notes:

- 1. Samples collected by Blasland, Bouck & Lee, Inc. (BBL) during April 2000.
- Samples were analyzed by Scilab Albany, Inc. using USEPA SW-846 Method 8082 as referenced in the New York State Department of Environmental Conservation (NYSDEC) 1995 Analytical Services Protocol (ASP).
- 3. Concentrations reported in parts per million (ppm) or milligrams per kilogram (mg/kg)
- 4. Sample designations indicate the following:

TS = Transformer Shop;

(0-2) = Sample depth range in feet; and

DUP = Duplicate sample.

5. Analytical results have not been validated.

# Attachment A Soil Boring Logs

## **Transformer Shop Subsurface Investigation**

Interval (ft)	Drive Record	N	USCS Code	Soil Description	PID Reading
0.5-2.0	7-7-7	14	SW	Grey-well graded sand w/trace gravel	1.0
2.0-4.0	7-4-4-4	8	NA	no recovery	NA
4.0-6.0	3-14- 17-17	31	SP-SM	Grey-poorly graded sand w/silt and gravel-saturated	0.0
6.0-8.0	4-3-2-2	5	SP-SM	Grey-poorly graded sand w/silt and gravel-saturated-odor	5.0
8.0-9.0	4-3	_	SP-SM	Grey-poorly graded sand w/silt and gravel-saturated	0.0
9.0-10.0	4-4	7	Pt	Peat-moist	0.0
10.0- 12.0	7-9-17- 18	26	МН	Dark Grey-Sandy elastic silt w/gravel- moist	0.0
12.0- 13.0	17-21	45	ML	Dark Grey- Sandy silt w/gravel-moist	0.0
13.0- 14.0	24-30	-	SP-SM	Dark Grey- Poorly graded sand w/silt and gravel-moist	0.0
14.0- 16.0	20-24- 20-28	44	GW	Dark Grey- Well graded gravel w/sand, trace weathered bedrock-moist	0.0
16.0- 18.0	29-31- 38-46	69	SP	Dark Grey- Poorly graded sand w/gravel- moist	0.0
18.0- 19.8	21-30- 46- 100/0.3	76	SP	Dark Grey- Poorly graded sand w/gravel, trace weathered bedrock-moist	0.0

#### Transformer Shop Subsurface Investigation

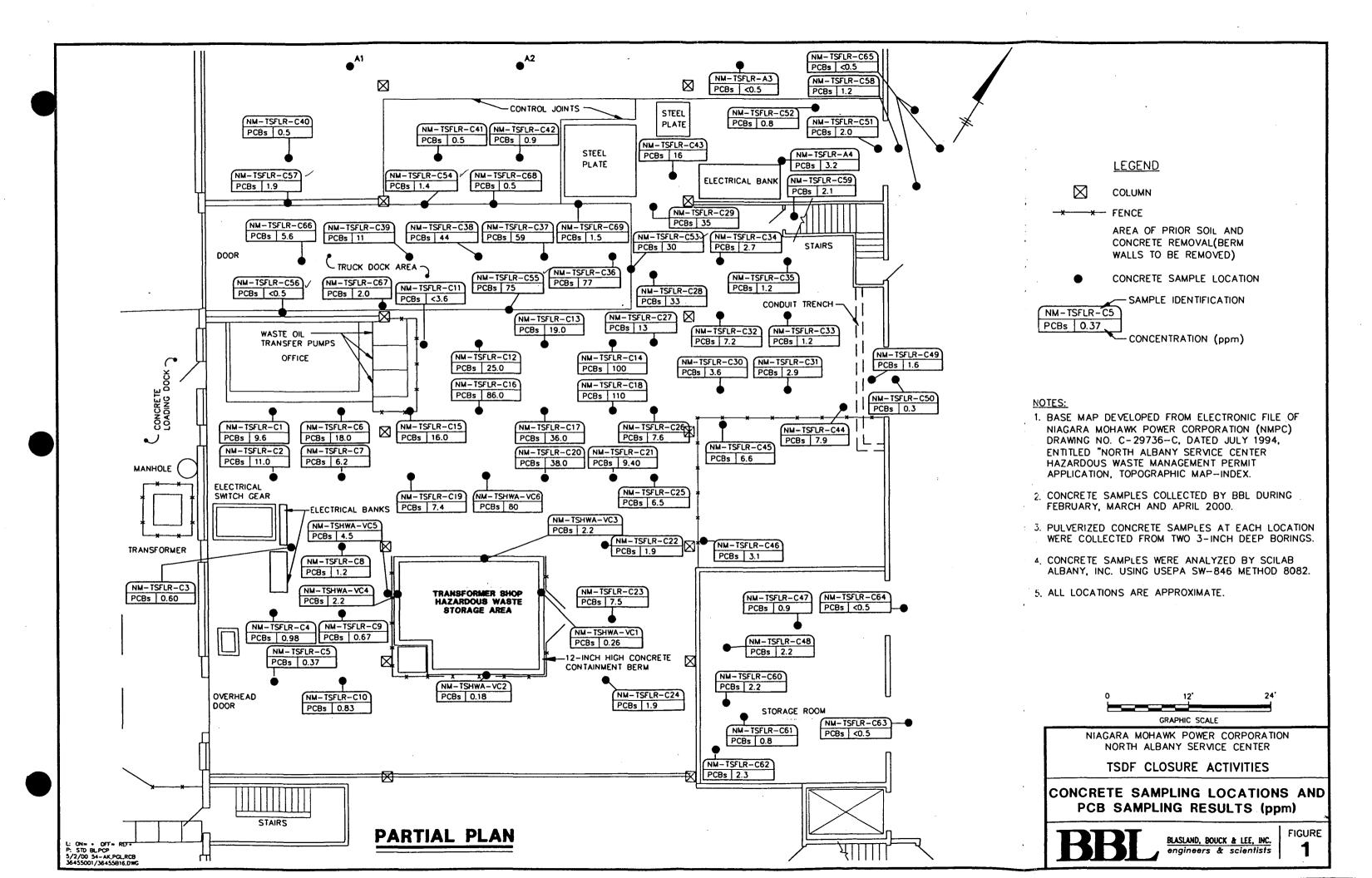
Interval (ft)	Drive Record	USCS Code	N	Soil Description	PID Reading
0.5-2.0	3-7-5	GW	10	Brown/Black- Well graded gravel- moist	0.0
2.0-2.5	6	GW	-	Red/Brown- Well graded gravel, trace silt- moist	4.8
2.5-4.0	7-7-6	SP- SM	14	Grey/Brown- Poorly graded sand w/silt and gravel- moist	0.0
4.0-6.0	17-10- 10-8	GW	20	Grey/Black- Well graded gravel, trace silt-moist	0.0
6.0-8.0	2-2-3- 10	GW	5	Grey/Black- Well graded gravel, trace silt-saturated	8.2
8.0-10.0	4-6-4-6	GW	10	Grey/Black- Well graded gravel, trace silt-saturated- odor	28.4
10.0- 12.0	3-4-3-4	ML	7	Dark Grey- Sandy silt with gravel- saturated	7.8
12.0- 12.5	2	Pt	-	Dark Brown- Peat w/wood chunks- saturated	3.1
12.5- 14.0	2-3-4	SP- SM	5	Grey- Poorly graded sand w/silt and gravel-saturated	1.5
14.0- 16.0	4-5-17- 21	GW	22	Grey/Black- Well-graded gravel, trace silt-saturated	1.4
16.0- 18.0	16-18- 31-41	SM	49	Dark Grey- Silty Sand, trace weathered shale- saturated	0.0
18.0- 20.0	27-33- 39-41	SW- SM	72	Grey/Black- Poorly graded sand w/silt and gravel-saturated	0.0
20.0- 21.3	45-59- 100/0.3	GP- GM	-	Grey/Black- Poorly graded gravel w/silt	0.0

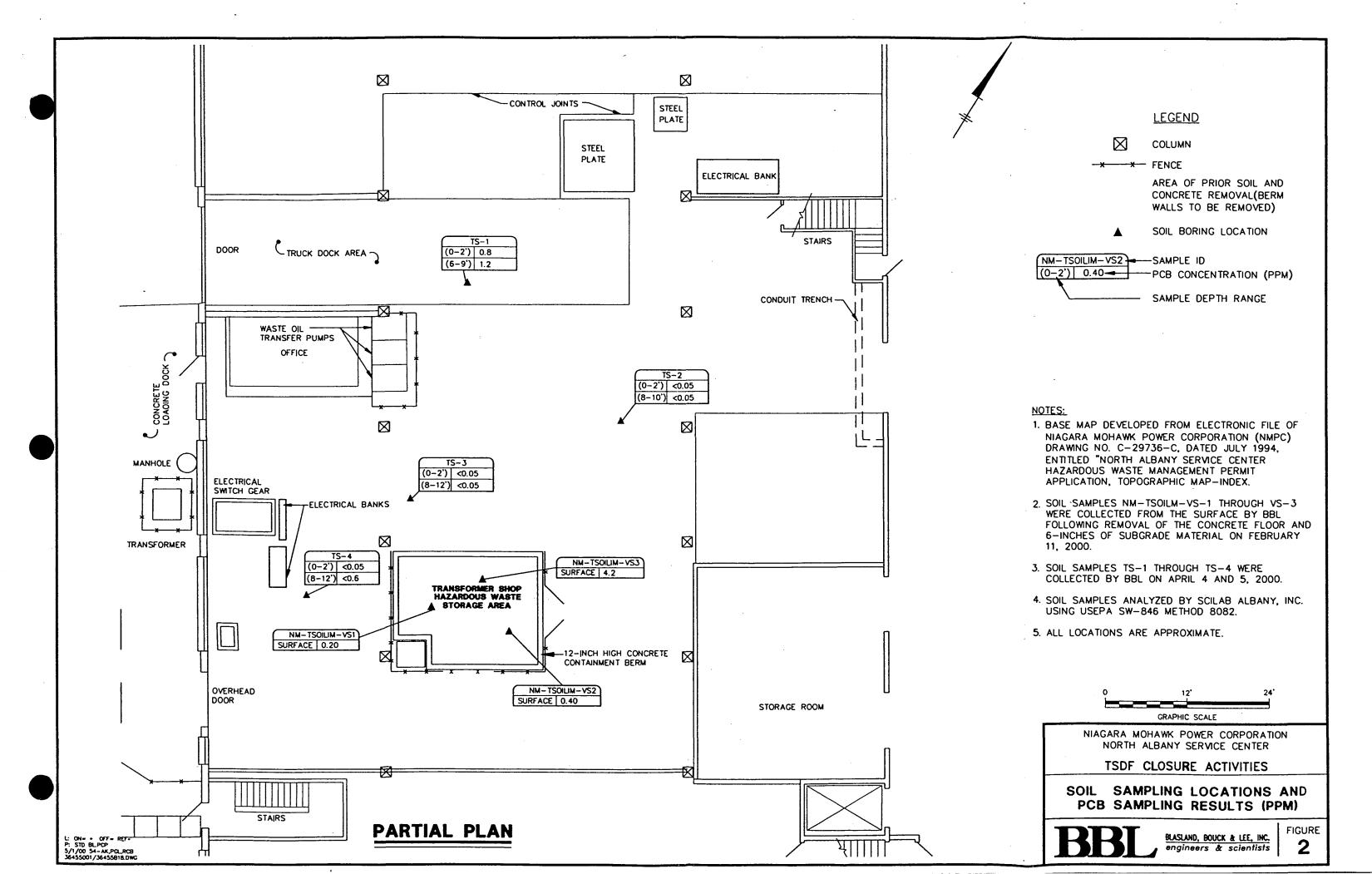
## **Transformer Shop Subsurface Investigation**

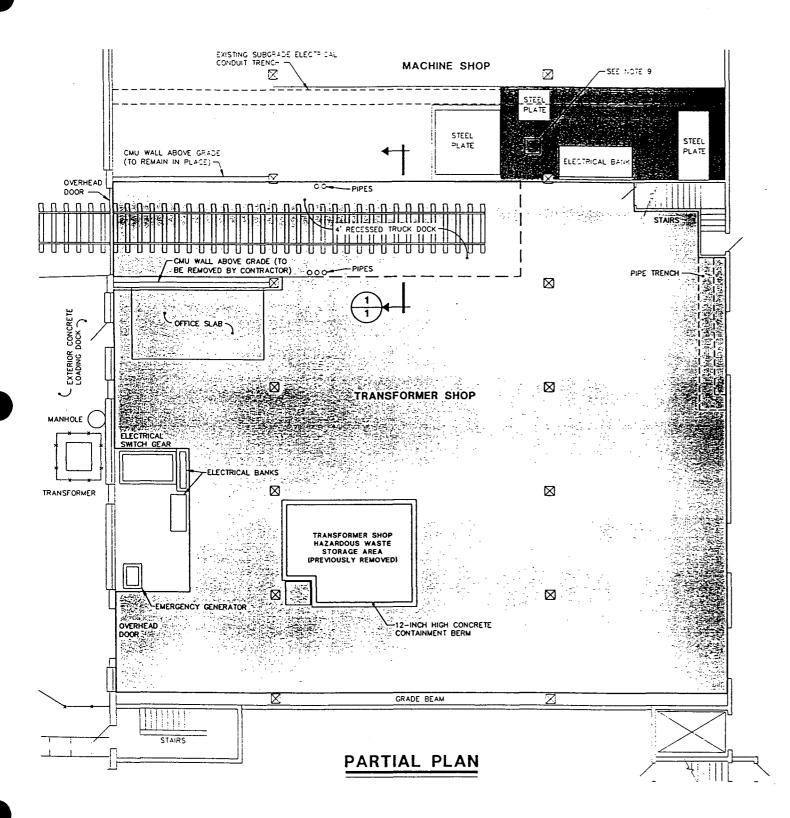
Interval (ft)	Drive Record	USCS Code	N	Soil Description	PID Reading
0.5-2.0	3-12- 14	GW	15	Dark Brown- Well graded gravel- moist	0.0
2.0-2.5	7	Pt	-	Brown- Peat w/trace gravel- moist	0.0
2.0-4.0	9-12- 16	SP- SM	21	Dark Brown- Poorly graded sand w/silt and gravel- moist	0.0
4.0-6.0	17-12- 9-8	SW- SM	21	Grey- Well graded sand w/silt and gravel- moist	0.0
6.0-8.0	6-6-3-5	SW- SM	9	Grey- Well graded sand w/silt and gravel-saturated	243
8.0-10.0	4-5-4-6	SW- SM	9	Grey- Well graded sand w/silt and gravel-saturated	55.1
10.0- 12.0	4-4-3-4	SW- SM	7	Grey- Well graded sand w/silt and gravel-saturated	26.7
12.0- 14.0	1-1-1-1	Pt	2	Dark Brown- Peat- moist	18.2
14.0- 16.0	woh	SW- SM	-		6.2
16.0- 18.0	woh-1- 2	-	1	no recovery	NA
18.0- 20.0	3-6-3- 6-	SP- SM	9	Dark Grey- Poorly graded sand w/silt and gravel- saturated	0.0
20.0-22.0	6-6-9-9	SP- SM	15	Dark Grey- Poorly graded sand w/silt and gravel- saturated	0.0
22.0- 24.0	9-12- 16-12	SW- SM	28	Dark grey- Well graded sand w/silt and gravel	0.0
24.0- 24.8	17- 100/0.3	-	-	no recovery	-

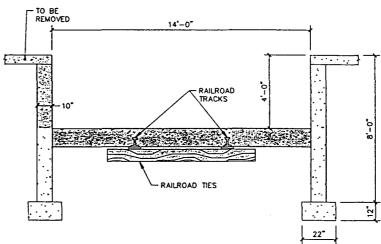
## Transformer Shop Subsurface Investigation

Interval (ft)	Drive Record	USCS Code	N	Soil Description	PID Reading
0.5-2.0	7-10- 12	SW	17	Brown- Well graded sand w/gravel- moist	0.0
2.0-4.0	10-7-5- 13	SW	12	Brown- Well graded sand w/gravel- moist	0.0
4.0-6.0	26-64- 32-22	SP- SM	96	Grey/Brown- Poorly graded sand w/silt- moist	0.0
6.0-8.0	8-13- 27-22	SM	40	Dark Grey- Silty Sand w/gravel- saturated	0.0
8.0-10.0	44-30- 20-12	SP- SM	50	Dark Grey- Poorly graded sand w/silt and gravel- saturated	0.0
10.0- 12.0	28-23- 7-10	SP- SM	30	Dark Grey- Poorly graded sand w/silt and gravel- saturated	0.0
12.0- 13.0	8-8	sw	-	Dark Grey- Well graded sand w/gravel-saturated	0.0
13.0- 14.0	8-8	Pt	16	Dark Brown- Peat- moist	0.0
14.0- 16.0	11-17- 24-31	ОН	41	Dark Brown- Organic Silt w/gravel- moist	0.0
16.0- 18.0	14-18- 36-27	SW	54	Dark Grey- Well graded sand w/gravel- moist to saturated	0.0
18.0- 18.8	47- 100/0.3	SP- SM	-	Dark Grey- Poorly graded sand w/gravel and silt- saturated	0.0

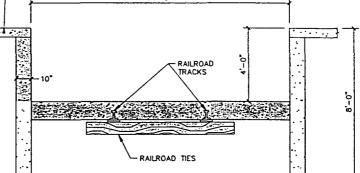








SECTION



LEGEND FENCE AREA TO BE REMOVED FLOOR AREA TO BE SCARIFIED HORIZONTAL LIMITS OF REMOVAL - TRUCK DOCK WALL REMOVAL LIMITS

#### NOTES:

- 1. BASE MAP DEVELOPED FROM ELECTRONIC FILE OF NIAGARA MOHAWA POWER CORPORATION (NMPC) DRAWING NO. C-29736-C, DATED JULY 1994. ENTILED "NORTH ALBANY SERVICE CENTER HAZARDOUS WASTE MANAGEMENT PERMIT APPLICATION. TOPOCOLAPHIC MAPLINDEY.
- 2. ALL LOCATIONS ARE APPROXIMATE AND TO BE FIELD VERIFIED BY CONTRACTOR.
- 3. UNDERGROUND UTILITIES TO BE MARKED OUT BY NMPC AND FIELD VERIFIED BY CONTRACTOR.
- CONTRACTOR TO REMOVE 6" CONCRETE FLOOR SLAB AND 12" OF UNDERLYING SUBGRADE MATERIAL TO THE APPROXIMATE HORIZONTAL LIMITS SHOWN.
- 5. CONCRETE FLOOR TO BE SCARIFIED 1/2-INCH DEEP TO THE APPROXIMATE HORIZONTAL LIMITS SHOWN.
- COLUMN BASES TO REMAIN, CONTRACTOR SHALL HAND EXCAVATE NEAR THESE LOCATIONS SO AS NOT TO DISTURB STRUCTURES.
- 7. CONTRACTOR TO REMOVE TRUCK DOCK FLOGR SLAB.
  RAILROAD TRACKS, RAILROAD TIES, AND 12-INCHES OF
  SUBGRADE MATERIAL BELOW. TRUCK DOCK WALLS WILL
  BE REMOVED TO TOP OF TRUCK DOCK FLOOR SLAB TO
  THE HORIZONTAL LIMITS SHOWN. CMU WALL ON EAST SIDE OF TRUCK DOCK (TOWARDS TRANSFORMER SHOP) WILL BE REMOVED BY CONTRACTOR.
- 8. PIPES LOCATED IN TRUCK DOCK TO BE PLUGGED AND CAPPED BELOW GRADE.
- LOCATION OF 12-INCH THICK CONCRETE FLOOR REMOVAL AREA TO BE VERIFIED IN FIELD BY ENGINEER.
- ELECTRICAL BANKS, SWITCH GEAR, EMERGENCY GENERATOR, AND COLUMN BASES TO REMAIN.
- 11. STEEL PLATE VAULT COVERS IN SCARIFICATION AREA TO REMAIN.
- 12. CONTRACTOR TO REMOVE 10" THICK CONCRETE OFFICE SLAB AND UNDERLYING 6" THICK FLOOR SLAB.
- 13. CONTRACTOR TO REMOVE FLOOR SLAB AS CLOSE AS POSSIBLE NEAR ELECTRIC BANKS.
- CONTRACTOR TO REMOVE FLOOR SLAB TO ISOLATION JOINT AT GRADE BEAM OF SOUTH COMMON WALL TO PRESERVE WALL INTEGRITY.
- 15. CONTRACTOR TO REMOVE TRANSFORMER SHOP HAZARDOUS WASTE STORAGE AREA CONTAINMENT BERM WALLS.



NIAGARA MOHAWK POWER CORPORATION NORTH ALBANY SERVICE CENTER TSDF CLOSURE ACTIVITIES

CONCRETE FLOOR REMOVAL AND SCARIFICATION AREAS

BLASLAND, BOUCK & LEE, INC. engineers & scientists

# Appendix B - Daily Field Reports

BLASLAND, BOUCK & LEE, INC



SUBJECT NM PC	C: Closure	(TSDF) Acts	PROJ. NO.	BY	DATE, 1/3/	SHEET //3
	; DATE				, DATE	
//:00	Kickoff	MFO	,			
Mo	1-101-01 1-11 sign 1 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Mtg A GErts -	-> TBI	η		
	* Need	MIX dESIG.	n ¥ 5	ourci	Ξ	
	* Backfi	11 SOURCE X	sample	= ->	Analyt	ical
		w/ plate;	•			
		Out/Tag O	ut			
		ift work				
		r Enclosun				
•		night, ren	ng ang apaganan salah , an salah sagangang ang ang ang ang ang ang ang			mpac
	AAA mar Heit only	n to wear	INSIG QIV MOV	nitor	_	
	Propane Exc. inside	during act tank Tr / Bobcat	out)			
	No idling	le [Bobcat , Égpt,				**************************************



CUBJECT	PROJ.	NO.	BY	DATE 1/3/	SHEET
	OUEOVE	N DV	1	7	2/3
S. BY : DATE	CHECKEL	) RA		: DATE	
		SPARE TRANSPORTED BANKS			
Exterior saw	rist -> 11/15	rk to	115	id=	
VB: Drums to be n		<u> </u>		, - \ <u></u>	
USE mote to	support s	3W 1	nsila	= VR	
Use grate to s Plan on cutting	NEXT MO	n 1	17		
11011 01 00 11119				**************************************	
	, ,				
Waste Streams:					
- Solvent (Mineral	0,+)				
Clor NOil test	Kits				
~ ~ 400 gal, left oue	er fluid 1	n Po	CB (	ont tai	nk
Poly tank is pord Cont. 011 -> Vac	nus				
Cont. 011 -> Vac	. truck	•			and the second s
(3) x 1200 gal, poly to	inks ->	WU	<i>J</i>		
* SEcondary contain	ment				
Remove residuals Solvent oil → Vac	-> drum	5 (1	400	gal.)	
					······································
Throw away PCB or	drums → s	olid	digpo	sa/	
PCB/Igvid' -> Sun	OMIO				J
Vac out sludge -	drums -	۶ <u>() د</u>	Con	Vactro	uK
Mix sludge + PCB WW → poly tank	3 cont. OIL			<u> </u>	1
WW → poly tank	< (Z) 170	O gal	1. Tr	ans. Bk	dg
PCB conc. debris					AMERICAN CONTRACTOR OF THE STREET
18-20 tons/Rolloft	- cone./	PCB	Haz		and grant and an experience of the second
- N/5 ton soil (Non h	taz)		MALE THE REPORT OF THE PROPERTY OF THE PROPERT	and the second states and the second states are second states as the second states are second states as the second states are second state	
N36 ton concrete (+	taz				



SUBJECT			PROJ. NO.	BY	DATE 1/31	SHEET 3/3
CS. BY	; DATE	CHE	CKED BY	· ;	7	
	NMPC to sign	manifi	cte			
	VMPC to have	inspect				
K	2, F, - cut conc	, M				
	Vo noise befor	E 4PN	)			
X C	onc. restoration	TBD				
	MPC Grounds+ + AAA	Maint.	-> 10	10		
Si	afety barriers					
				Truck	Ram	9
			[0000			
		R			373.0	
-			12	0		and the second s



SUBJECT		PROJ. NO.	BY DATE SHEET //3/
CS. BY _	; DATE CH	ECKED BY	DATE
			Snow (240) 20°F Monday
10:00	AAA (Tony G.) on-site		
10:30	BBL on-site (TBM, MC	<i>J</i> )	
/1:00	K/O Mtg w/ MikeA. (NM),7  See attached items — Off shift work — Mix sludge + PCB cont. — NMPC to sign manifest. — No noise before 4PM — Conc. restore TBD — NMPC to Lockout/Tago	oi/ s	AA), MCJ + TBM (BBL)
12:00	Walk site		
12:30	K/O Meeting end  AAA crew on site	Box to	Truck w/supplies
	Safety Meeting		
12:40	MCJ (BBL) Off-site		
13:00	AAA begin assemble er	rcl. @ T	5 /HW5A
9:30	RICH O'CONNELL (NMPC) LO		



SUBJECT		PROJ. NO.	BY	DATE/ 1/31	SHEET
CS. BY_	; DATE	CHECKED BY		DATE	
14;00	AAA assemble en - C-clamp 2"x6" - - Staple poly to - Staple poly edge - Run cord along - Duct tape sean	to hor. I-bean 2×6 = + \$cord =dges		String ed	-> N '9≅
14:15	-Anchor to Floor i	v/tape	Cross	Remové ance	
15:co	AAA begin to attack  L>Staple and tape  -> Hang sides + a	side curtian. Seam along	s to en	)C(.	
16:00	AAA begin install				
16:50	Walk VB w/ Porn  - Drums in No.  - Contain area level as be - Grates will nee containment	area -> to be has grates -m wall and to be relocated	e remo	re sa to ac	೧೯೯೭
17:00	AAA off site BBL off site NMPC off site				



SUBJECT		PROJ. NO.	BY	DATE	SHEET
CS. BY	; DATE	CHECKED BY	<u> </u>	DATE 2	
				Cloud	dy 2-25°
				Some	
07:00	BBL on-site (TBM)				
	AAA on-site: Tony G Greg G. Ed B. Andy B. Stan S.	Box 7 - Si - Ea	pplie	ruck #6	327
	Safety Mtg. Daily Plan				
	Look over Ext. tunks	+ pump:	5 w/	Tony (A)	919)
C7:30	AAA assemble enlo. fr	rame -> (Z	x 4)5	+ Poly	
08:00	AAA cont. ass. Access was	y to TS	Encl.		
08:15	AAA unlock cover on to	p of 373	- 01		
	-No venting trunk -No ignition source -No Air monitoring (:		neter		
	→ Little residue on b → No visible liquide → Renove debris & place	5			
8:00	AAA coffee break				
09:30	AAA construct encl. @ 7 - Install (3) HEPA - Construct triple to	units	5 W		



SUBJECT		PROJ. NO. BY	DATE SHEET
ALCS. BY	; DATE	CHECKED BY	, DATE <u>2/1</u>
10:00	Tony off site to	o obtain Backfill s	sample
10:30	Meet w/ Jack (	NM) to discuss cl	Eaning area
	- Snow rmv		
:	X 1,000 gal po	thes trans, breaked	ide, ~ /4 full)
1	201		7
	BBL receive fie	npling + monitor Egg ald test kits, monitor	ot, eg. via Fed.X
11:00		5	
	- Stage tank - For condition	1,000 gal. poly tank In Trains storage B.	ldg.
1:20	AAA Turbo Vac		
/ vital from the appropriate date, who specifies the distribution	- # 6306 - 7		
	7- (2)20	7	roy Sand + Grave
1:50 	TONY (ITITITY) PETU	rns on-site w/ Bac	Serill Sample 5 gol. pail
2:00	AAA Off site +	for lunch	U 1
:00	AAA back on	sa around Tank form	
3		g encl. for outdoor	Tank farm
*	- Staple cons - Raise poly	to top edge + attach (c-clamp) to	columns
	on West sic	de	
<u>U</u>	- Hunn + Supp	culty anchoring poly orted @ top, wind blow	us and
	tears pol	y from anchers	



SUBJECT	PRO	OJ. NO.	BY	DATE 2	SHEET
CS. BY	Y; DATE CHECK	ED BY		; DATE	
				Sun	
- Mile Miles algebras - a - a degrado - Miles alberta - a - a degrado - Miles alberta - a - a - a degrado - Miles alberta - a - a - a - a - a - a - a - a - a -		,		~15°	
07:00	BBL on site (TBM)	: :		Vind	7
	AAA on site (see Sign In C	-cg)			
07:15	Safety Meeting				
:	Daily Plan: Finish outside Core full dept	tencl hot	osure - T5 fl	→ TF	
07:30	AAA Site Observations: - Wind has torn poly w - Need to repair	all fr	om an	chors	
	- Prep core drill for	TS	floor		
08:30	BBL talk w/ Jack H. WM	PC);			
	-BBL to arrange ABC.	analys	515 W/	Salat	<u></u>
	- AB Tom White (NM Ro X Y Verbally OK for AA VIS. a. VIS Labor Union	Egiona A to n iss	Super pour yes >	concre Jack H,	Man) te TBM
09100	BBL contact Scilab (Sear	~ Hug		BC ana	lysis
	- Need to Specify Analys - No 24 hr TAT for 560	15	Must s	ub cut	
09:15	Call MCJ, leave message -	>AB	C ana	lysis	



SUBJECT		PROJ. NO.	ВУ	DATE 2/2	SHEET
CS. BY_	; DATE CH	HECKED BY _		; DATE	
79:30	AAA core full depth of - Total = 12.0"  Top course = 6.5"  Bottom " = 5.5"	TS HI	WA floo	or	
09:45	AAA coffee break				
10:00	AAA back to work				
10:15	AAA Install ZNO core in	TS HU	VA Floo	· ·	
	Ext. Enclosure @ TF tear	ing fro	m anche	rs, fra	ME
	2 <sup>NO</sup> Core: Total = 12" Top = 7" Bettom = 5"				
11:00	AAA cent. repairs to TF	Endosu	n <del>e</del>		
11:30	AAA prepare Tank (373-31)  ** Confined space  > See Monitoring Log			al	
12:00	AAA break for lunch				TOTAL STATE OF THE
12;30	BBL deliver ABC to Sc SEE COC		PCBs VOCS SVOC MctaUs	Fill	
					<u> </u>



SUBJECT		PROJ. NO.	BY	DATE 2/2	SHEET
CS. BY	; DATE C	HECKED BY	;	DATE	
13:00	AAA begin removal of bottom of 373-01 - No fluids - Dark, hand pack of - About 6" deep in - Hand exeavated del	center on support	LS V 24ª Vcksts	wide out	
	- Generated (1) drum -> 50016/275 kg	g (BC	W7)	PPE	
B100	Mike Pickering (AAA) of Propose to wrap to Albany Ladder deliver	in-site	1		
	- 45' Articulated l -> See Rental Agree	200m //	FF		
14215	Discuss proposed method - Too windy for exist - NEED to wrap tan - Drape paly over to form tee pas do - Anchor: - Heating - Venting	k only p brace	WINE	and	



SUBJECT		PROJ. NO.	ВУ	DATE 2/2	SHEET
CS. BY _	: DATE CH	ECKED BY	· ;	DATE	
15:00	AAA begin removal of e	xist. TF	poly	wall	
15:15	AAA begin construct Tar	k endo	sune		
	AAA clean up debris, P Tank 373-01 residue	PE, etc. remova	from		
16:00	AAA complete removal o	f TF 1	ooly w	all	
16:15	BBL contact Galson > - Rvw operation proces.	Sumplur	ig Pum	γps	
	AAA begin TF teepee - Poly hung from top - Plan to wrap poly containment tank steel cond around and cinch cord w/	tension down t and wra concrete	cable around 12 1/8 11 base	4	=1+)
16:45	AAA break down + clear	n up wo	irk ar	50	
17:00	Alth labor off site				
	Tony G (AAA) + TBM (BBI	) discus	ss act	ivite	<b>5</b>
	-Tony: When are rolloft	s to be	delive	red?	
	- Plan to begin concret tomorrow (2/3) @ 42		/\//	S ItW hours 1pc	<b>A</b>
	- PAA to flush piping	systems			
17:30	AAA BRI Off ELL				



SUBJECT				PROJ. NO.	BY	DATE 2/3	SHEET
CS. BY_	·;	DATE	СНЕ	CKED BY		1 (	
						Thur ~20° Snou	$\epsilon$
157.00	BBL	on site					
5:15	Sate Proje X/A	on site -s  ty Meeting  et Mtg: Tong  En Polisse  as AAA on a  begin setup  removal activ	y (AAAA site S o for	or TBI acing I pervis	n/BBL		
16:00	AAA	Conc. Saw: VacTruck  Power Lift  move conc.  + AIAA pump  interior pump  200 gal = 1,000	CC 3 Adma, Gas CEMOVE	700 Supply powered d from to enc	site	<b>1</b>	
945		200 gal = 1,000 + AAA priming on Cil from Va Es -> Tank 373					



SUBJECT		PROJ. NO.	BY	DATE 2/3	SHEET
CS. BY	DATECHE	ECKED BY		DATE	
					4
17:00	# PCB & cont. oil sum, the electric circuit b				
	NMPC (Ron S.) changin	g filter	r on	oump	
17:15	AAA + NMPC beain flu Oil from Vac Truk to 1	ish Vlinc ank 373	= w/ 3-01	Virgir	1
	Pump prisssure = 18 PSI				
	Filter press = 14 PSI	= 00	+		
<b>9</b> 45	AAP pump 801 gallons VacTrick thr NMPC Tank 373-01	Virgin e	oil fro	M	
18:00	Tony G. (AAA) off si	te			
[7: 30]	AAA begin TS HWA cond  - Conc. saw vented to  - HEPA units vented  - Each HEPA has own  - Welting blade as cut  - Nordust is being of  visible  - Saw cut ~3" from b  - (1) Man cutting, (1) Man  - AAA monitoring w/4-6	HEPA (poly) to vent 1, ting pro generate  enerate	filters  one  gresse  ed	tdoors	
•				; : ·	



SUBJECT			PROJ. NO.	BY	DATE 2/3	SHEET
CS. BY _	; DATE	CHEC	CKED BY	;	DATE	
16:15	AAA stop conc - Generate (1 - Bring in & - Conc. saw	) 55 gal. c next 55 g.	drum o	n area	a ing H2	0
18: 20	AAA pump 200 thru outdoor (Truck	Dgal. Virgi IF pump Icading doc	n oil into k)	from 1 Tank 3	/acTru 73-01	k
18:45	AAA Vac 50/ve Vac Truk (~		Tank 3	73-01	into	
141.00	AAA continue o - No visible - Wetting bla - Feels ven	dust gener de as cutt	rated ina pro	ceeds losure		
19:15	AAA flushing in  pumped from  -Flush v1,0  -No entry  AAA remove 5  -No entry in	n Vac Tru 200 gal, of 110 373-0 olvent from	k solven 1 1 373	7		ruk
19:35	AAA stop conc	rete cuthi	ng to	clean	cut 1-1	
19:40	AAA break fo	r dinner		Vacuum	a conto	210
20	AAA back to	work				



angineers & scientis	75					
SUBJECT		PROJ. NO		BY	DATE. 2/3	SHEET
S. BY _	; DATE	CHECKED BY	Υ		; DATE	
					, , , , , , , , , , , , , , , , , , , ,	
			1			
20:30	AAA continue concre	te cuffir	79			
		1	<u> </u>	A STORMAN COMMAND		
20:45	BBL observe inter	ior of	37	3-01	follo	owing
A STATE OF THE STA	- Some rust stail	7 <i>I</i>	The second secon			
	- Primarily No	heavy, d	ark	sta	ining	
7-1:00	BBL performs Clor - AAA collect solu	1-N-011	+1	Eld	test Vac T	rule.
	- ClorNOIL test v	ial is me	=d	DUrk	)(E	, 0,
	- Results Indica → OK to reuse s	16 <b>~</b> 30	DAN		<b>D</b> S 1	
21.15		·		1		
21:15	AAH proposes to re	novejcu Ilow acc	[	perm s for	wall the	
	Mini-Excavator - Will berm bear					:
	- Can excav. go	OVER ra	1 1			m?
	- Sufficient dea -> Noed to speak	rance ?	Al	bott	-	
23.20						
21:30	AAA stop concrete	CUTTING	<b>]</b>			:
21:15	AAA performing ZM	0 flush	of.	in to	10196	
	surfaces of 373	3-07	<u>ر</u>	77 176	7 107	1
	- No entry into t	ank	: :		:	
21:40	AAA remove solvent	from 3	373	-01	using	
	Vak Truk - No Entry		1 :			
-					, , , , , , , , , , , , , , , , , , , ,	



SUBJECT		PROJ. NO.	BY	DATE, 2/3	SHEET
.CS. BY	; DATE	CHECKED BY		; DATE	
22:00	BBL observe inte -Similar observa	erior of 37 tions as pre	3-01 víous		
72:15	13BL perform Clor	NOIL FIELD	test i	of solv	ient
	- AAA collects - ClorNOII test - Field test res - Solvent accep	ample from vial is light outs indicat	VacTr purp ≥ <3 use >	uk ole O ppm flushin	PCBs
22:30	AAA continue con	nonete cutti	<u> 19</u>		
•	AAA performs 3RI - No Entry in	flush of tank	373	-01	
23;00	AAA removes solu Vac Truk	vent from 3	73 -	Ol Usin	19
	BBL visual observe - No visible si - Little residual - Some rust al	taining on si	des t	ends Yon	
23:30	AAA stop concrete	cutting			
24:00 Fri 00:00	AAA continue concr berm - chipping face of berm - HZO is leaking	15 occurring	<i>o</i> n	Extern	<u>هر</u>
OD: 50	AAA stop conc. cu	Hing			



SUBJECT					PROJ. NO.	ВУ	DATE 2/3	SHEET
CS. BY	; D	ATE		СН	ECKED BY _		; DATE	
00:45	AAA	Makur	me con	nc. c	to inv	3 Lich ci	175	
		WEHIX	g + vac	ing o	irea a	s Cuff,	its ing proci	5€dS
01215			conc.					
	AAA	clean	up +	end	work	day		
01:30	AAA	off:	site					
· · · · · · · · · · · · · · · · · · ·	AAA	genera	ted (4	) dru	ns of	conc.	. WW	
					i i i i i i i i i i i i i i i i i i i			
02:00	BBL	off:	SITE					
· :			<u> </u>	3	: :		!	
				The second secon	The state of the s			
and the state of t								
			<u> </u>					
	1							
	:				VIII. 1. 7 . 7 . 7 . 1 . 1 . 1 . 1 . 1 . 1 .	1		
-				3				,
			· ·					



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SHBJECT		PROJ. NO.	BY	DATE 2/4	SHEET
.CS. BY	; DATE	CHECKED BY		_; DATE	
:	BBL on site			Frida ~25°, Cioudy,	
11:45	Talk w/MCJ				
	- Monday Mtg. - Monitorin; issues - Contact this weeks	end			
12:00	Talk w/ MCA  - Why did we work  + Bern wall stays of - Schedule of activiti	past 12:00 p es	last	nite ?	
12://5	Site Walk Hotsy f - Egist: Poly Trank (2) Roll-o Vac Truk Box Truck- X Remove Steel b Hand concre	supplies elt aroun		solvent oplied	
(2:30	Talk w/ Ken P. (AAA)  - Néed air monitoring  - Replace HEPA filters  - All personnel in to  - Clean up / Batety ba  Today's Schedule:  " Finish conc. cutting  " " " "  Clean outside TF  " Inside TS	11 PPE imers in TS Hu " VB			



S <sup>,</sup> <b>IBJECT</b>					PROJ. NO.	BY	DATE 2/4	SHEET
CS. BY_		; DATE		CHE	CKED BY		; DATE	
12145	Sate	ety Me	eting_		<u> </u>			<u> </u>
13,00	AAA	begin Apply B Hand wi Absorben  offload ,100 gal. 1,000 gal. BBL per	solver	it from	VacTi	rk int	0	Pass)
<i>3:5</i> 0	AAA	remove	Enclose	ure arc	ound E	xterion	- TF	
19:00	: 7 F	place a area Safety 1				and ex	terior	
14130		prep for Set up Confine Safety Spray	Hotsy d spac	hot i	420 pr	ESSUÆ	washe.	
	AAA	comple BBL obs GENER Pumps Other Contain	te cle servationally clo have s compon	caning ons: san some oi ents fr	TS pur I on su rect	np stai	tion (	1st Pass

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and the second second



SUBJECT	F	PROJ. NO.	ВУ	DATE / 2/4	SHEET
CS. BY _	; DATE CHEC	CKED BY		DATE	
<i>i510</i> 0	BBL prepare monitoring of - Air samplers - silica - Mini RAM - Multi-RAE	sgpt.			
15130	AAA begin 2 <sup>ND</sup> pass clear - Reclean pumps, moters - Remove catch pads from Clean contain pans	, etc.			a
16:30	BBL observation: 3 transfer pumps • Contain pans frei	s gener e of or	-ally	clean	
<b>1</b> 00	· Some debris rem  AAH finish ZND pass TS  - Observations above	:			
16:00	AAA begin TS HWA concr - Wetting floor @ saw b - Collecting WW w/ we	lade	Hing		
16:20	AAA sa begin cleaning 3 - Man Enters tank (cor - Attendant at exter - Spray interior of tank	tined:	space `		ane(
16:40	AAA stop concrete cutting - Ventilate enclosure	9	:		
	AAA resume concrete cut	ting in	TS /	HUA	



SUBJECT		PROJ. NO.	ВУ	DATE, 2/4	SHEET
S. BY_	: DATE CHE	CKED BY		DATE	
17:30	AAA stop concrete cutt Ran out of gas for	ing saw		1	
	AAA attempt to pressure - HZO line from bldg. washer is frozen - Cannot pressure u - Move HZO line indoor	to pressions to the	373 SURE	-01 in	+,
17:40	AAA break for dinner - Go get gas				
19:00	AAA resume work acti	vities			managan a train was condumners than the managan
19.15	AAA pressure wash (w/ho 373-01 tank -(1) man inside tank -(2) attendants on top - Pressure = 2,700 ps - Collect WW W/Vac Tr	e of ta		or of	
	AAA resume concrete c	ulting 1	n HW.	A	· · · · · · · · · · · · · · · · · · ·
20:30	AAA finish pressure wash	· 373-	01 in	terio	
	BBL observation: - Good condition, no - Photos taken	stainu	13, 10	oil re.	sidue
	AAH generate 5.5 drums	of W	N		
	AAA off site				
21:30-	BBL off site				



SUBJECT	P	PROJ. NO.	ВУ	DATE 2/7	SHEET
CS. BY _	DATE CHEC	KED BY		DATE	
AM	Project Coordination Meeting	7		Monda ~30°F Sun/Cl	
13145	BBL on site				,
14:10	Meet w/ Mike Abbott (NMA) - NM personnel noticed du located in TED TSA H - Monitor for dust inside, - No work past midnite	ist outs			
14:30	Documentation prep: Daily	logs,	monitoi	ing, H.	+5
/s: co	SITE Wilk  Exterior TF  · Access controls in pla · Confined space gear · Mini excavator on si  Interior · Enclosure taped sh · Egpt. + supplies nead  Equipment · Power conc. saw (Gas) · Mini excavator · Bobcat · Box truck · Hot water pressure w · Vac Truk · Hammer drill	in place to the thy sto			
30	AAA on-site Safety Meeting				

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SUBJECT		PROJ. NO.	ВУ	DATE 2/7	SHEET
CS. BY_	DATE	CHECKED BY		DATE	
:			;		
		: :			The second of th
	2.20		:	1	
15:45	AMA set up Eujot	. + supplies			Company of the second of the s
	BBL discuss W/A	AAA;			:
	- Dust outside	of enclosure			
	- No excavator	OVER ATS ber	m wa		
	- Clean TS pun	nps + transfer (	=gpt.		
	- Daily AAA scl	hedule			
1	- Incorrect ba - Proper PPE		TYIDE	<u> </u>	
		"Will to mig			No. of American Conference of the American Confe
	Troy Sand & Grave Ledgerock #2	I deliver 10.9	tons	0+	
	Leitgerock #2	stone			
	- Wrong type				William or commentation of the section of
16:30	ADA	/ TS			
	AAA remove conc. relocate to VB	Saw trom 15	encios	u, e a	1a
16:45	Talk w/ MCJ:				
	· 3 wipes insid	de/3 wipes outs	ide 3	373-0	(
	the contract of the contract o	re: backfill VOC	1 1		
	· QLS tank 11	nspect - Tues.	2/15		
	_	uce E. crew crusher last	· :		· · · · · · · · · · · · · · · · · · ·
		( 2, 03, 01 10,3)			entre and with a se
16:00	AAA construit =2	·/a-c	5010.5	Blda	
70.00	HAM construct and	_(C307 & 77) Vers	3.07		wanter or to be the second of
00	→ NEEd to crea	te negative pr	ESSUME	= with	ν'n
	~~ a a la « « » ~~	•	1 1	1	i
· · ·	- Encl. modified ;  AAA begin nemo	to produce neg.	NESS. C	w/Shea	veni
	INT DEGIN NEMO	ung concidedi	75 TYEN	ハノン	· · · · · · · · · · · · · · · · · · ·



SUBJECT		PROJ. NO.	BY	DATE 2/7	SHEET
CS. BY_	: DATE CHI	ECKED BY	. ;	DATE	
17:15	174A begin conc. cutting in  - Conc. saw on top of a  - Cut N 3" in from fac	VB grate e and	~9" de	<i>ε</i> σρ	
18;00	AAA complete saw cut cor	ic. bern	ın V.	3	
18:15	AAA excavator inside TS  -> Remove immediate	HWA b	PERM		
18:30	AAA bejin jack hammering	VB wal	1 to de	ino	
18:45	AAA renove excavator from	Inside	13 Au	NA	
19:00	APA smoke break/ Dinne	<u>Er</u>			
20130	AAA back to week on sit  AAA perform 3RD cycle  -Clean w/ Bio Might  - Clean 3 pumps, pans		5 punj	o arso	3
21100	- Itoses, pipes - Itandtools are - Forklift	ndling =u of \	Egpt. 1B. Co	in No	rth
	- Hand truck Wi	J w/Vc	ec Truk		



SUBJECT		PROJ. NO.	ВУ	DATE	SHEET
				2/7	<u> </u>
.CS. BY _	; DATE	CHECKED BY		_; DATE	
21.27	12,1,2,1,1,0	· - £ / -		· · · · · · / /	0
21;30	AAA finish roughing for - Roughed to 1";	tice of bei	m cu	t in V	Δ
	7.509/.506/.75	<u>, , , , , , , , , , , , , , , , , , , </u>			
DINC :	2.12		<i>f</i> – <i>f</i> .	· · · · · · · · · · · · · · · · · · ·	Parlaments have been been been been been been been be
21:45	AAA complete 3RD cle	on Cycle o	5T / -	2 pump	ansa
22:00	APA removing grates to the containment	in VB to	o alla	ON acce	<del>:</del> 228
	to the containment	t 1000 to	be clo	eaned_	:
1					
23:00	AAA removed grates from	m north a	reci o	t VB	:
	- Using Vac Truk	to etem re	-mile	in/In/	
		: -	. 1		
23:30	AAA move Corr. + Flam Truck Loading Pad 11	i. cabinet	s to	the	:
	Truck Loading Pad II	n exterior	<u> </u>	. :	
	AAA pertoin 1st clean	cycle of	northe	=rn	1 1
	containment area in	VB			
	- Rinse w/ Bio Might - Mop + clean				
	- Hot water pressure	MASE			
	- Vac Truck out Wu	1			
2==0	BBL collect verification u	was from	373-	01 10+	EVION
	+ NM -37301 - VW				:
	201 - 11 + V(1) (	+/			
	· NM-TSPUMP-YW	17 pumps	STATION		
24:00	AAA off site				
-	BBL off site	; · · · · · · · · · · · · · · · · · · ·			<u> </u>
		<del></del>			



S. BRIECT		PROJ. NO.	BY DATE SHEET 2/8
CS. BY	; DATE	CHECKED BY	DATE
			Tuesday ~25°F
			Sunny
13:30	Talk w/ MCJ	to a la hand	Egpt On Site
	- Sample VB		· Mini excavator · 2 hammersolotts
	- Cover conc. - Cullect (Z) con	in bucket usher + (1) hoist VW	· VacTruck · Hot HZO Pres. Wsh · Air Compressor
14:00	BBL on site		· Hand demo saw · Box Truck
	AAA on site		· Hammer drill
15	Safety Meeti Talk w/ Ken	P. (AAA)	
	- Ed Horni - Finish V - Demo + 1	ng to replace Ki B cleaning Emove TS floor	En P. as PM (Top 6" layer) c. pending lab data
14:40	Site Walk		
	- AAA " - TS enclosur	e secled w/tap	the berm area abovets for cleaning = + stapled poly
15:50	BBL prep for con		The second secon
	FIFIA CLEANING TI	from Truck pad wes, soil, trash	of T/-
	- Place debris	11 12/0 w//11/11	)



SUBJECT			PROJ. NO.	BY	DATE 2/8	SHEET
CS. BY _	; DATE	CHE	CKED BY		; DATE	
/5:05	AAA perform 200 cl	ean c	cycle o	t VE	3	
15:30	- AAA complete Z~o ci	ein c	ot VB no	orth co	on talin,	
	Ally prep south area for sample collect  - Observations: - Generally clear - Former sample					
•	A					
	B I Beam				В	
	100	Epoxiated '	/black 17:tar?, under > floor	stc.)		
X	Talk w/MCJ; AAA >	to rem	nove da	ark mo	iteria l	
16:00	AAA complete 300 clea	an of	VB n	orth co	ntain.	an <del>e</del> a
			;			-



SUBJECT		,		PRC	J. NO.	BY	DATE 2/8	SHEET
S. BY_	DAT	E		CHECKE	D BY		_; DATE	
					and the second s			: : : : : : : : : : : : : : : : : : :
16:00	AAA mou	ing Egp	ot -> 7	S End	losur	٤		
	-(2)0 -ANO	90 lb. jo	eckham or loca	ners ted ou	tside			
16:30	AAA cot	tee bre	ak					
17:10	AAA be	jin conc	rmvl.	in TS	j enc	losure		
	- Jac In: - HZ	khamme to ~ Z' O appli	er 3'x *1' pie ed to	5' sau ces chisel	icut to	conc.,	pieces = dust	
	BBL be	gin dus	t moni	toring JA	(566	= Air.	Mon. Log	})
17:30	BBL co	llect Ve = attach	erificati Ed = .00	6n cor @ 17: @ 18:	nc. so 45 f	imples	@VB VIIIng	
<i>j8:00</i>	— Pu — Bo — Ha — Re	moving Eak larg Il Bobca ocat buc nd lood move Bis nsport d	t loade ket is Lebricat out	es dou r up r outsid s into of air	un te to be le be buck lock	s small rm wa rm wa ket	lier U in au	r-lock.
18:30	BBL(>	AAA);,	Keep a	cnstan	t we	tting o	n concr	ete



. . . . .

SUBJECT		P	ROJ. NO.	ВУ	DATE 2/8	SHEET .
ECS. BY _	; DATE	CHEC	KED BY		_; DATE	
18:45	AAA confinue c	oncrete d	Emo +	remo	oval	: :
19:10	BBL -AAA (KEN F in Air Lock du	P.): Make Uring rmul	sure 1	Bob co	t stays	
19:20	BBL notify KEn 1 from rear of	?. (AAA) th. contain.	at HZ berm	0 (5	leaking	
19:45	AAA break -	Stop acti	ivitie			<u> </u>
20;30	KEN P. (AAA) off	site				
	TS HWA Floor  - Demo v 75%  - Removed v 50%  - Work area still	of top floo		iation	5	
21:15	AAA resume ac		nclosuri			
21:40	AAA to remove a	lark moteri			northa	anea
22.00	AAA replacing gr		B nor	-tha	nea	
22:15	AAA penetrates	lower flo	or in	TS 6	nclosur	E
	- Lower floor - Dark soil b		<b>Ξ</b> ρ			
	- BBL to col - Photo taken	lect soil	sample	<u> </u>		
					and the same of th	

- -



SLIBUECT						PROJ. NO.	BY		DATE:	SHEET
ES. BY_		DATE			СНЕ	ECKED BY		; [		
22:50	AAA -	repla Floor BBL	ces g area to col	rate app lect	ears over	er VB -lean y sampl	ncrth ∈ to.	nor	row	
13:15	AAA - -	conf Consta Hand Cover	Inve ant we load d cone.	condition	c, rmv g w/ ho is -> bucket	l. from ose dur Bob(at w/ po	TS ing i	en den vring	closur no g offi	e load
23:40	AAA	stop	work	a	ctiviti	<u></u>				N - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	AAA	dea	~ up							
24:00	AAA BBL		site site							
										· · · · · · · · · · · · · · · · · · ·
						:				
								de constant francis	empore .	
				and the second second						
				a a see a manager	10 1 10 10 10 10 10 10 10 10 10 10 10 10					
								The second secon		



SUBJECT		<u> </u>	PROJ. NO.	BY	DATE	SHEET
				<u> </u>	2/9	
CS. BY _	; DATE	CHE	CKED BY		_: DATE	
					WEd ~35°	F
-					Sun J C	Clouds
9:45	BBL on site					
10:00	AAA on site			ack		
	Equipment: Box.	truck Cat	·(Z)	Hamm	ers <del>dil</del>	
er er greg gergene en saget manne pampereg en m	The state of the s	Excavator			Press l Emo sau	
	· Vac	Truk Compness				
1		•				
	TS HWA Floor - & drums of Wil	u transfer	- to ex	t. poly	, tounk	
	VB Shed - No. containme	nt an-a	Clean			
	- Transter Egpt	(3x Wash	n) locat	ed ur	ider po	ly
	Safety MEEting	7				
/0;30	Talk w/Jack H. (N!	n PC)				
10145	→ NMPC to report a	move 55g	, drum	from 1	Flam. cc	binet
11:00	AAA set up for	rcleanur	ig exte	100	Tankt	arm
	– Clean cab – Clean exter	inets, ta	inks, e 373-01	tc. F	irst	
	- Clean con - Place poly 7	tainment to catchle	of 3	73-0 WW	1 + 10	



SUBJECT	PROJ. NO. BY DATE, SHEET Z/9
CS. BY_	; DATE; DATE; DATE
14:00	Ed Horning (AAA) off site
14:15	AAA finish 1st clean cycle of Tank 373-01 + Contain berm
	AAA break for lunch
14:45	BBL off site to deliver samples to:
	Scilab, Lathan, NY
15:45	BBL back on site AAA " " "
	AAA start Z <sup>w</sup> clean cycle of 373-01 + Contain - Soak surfaces w/ Bo Might - Scrub surfaces w/ brushes - Ringe w/ Hot HZO pressure washer
16:15	AAA begin clean Flammables Cab. " " Corrosives " " " Outdoor pump catch pans
	-All Egpt. located in Truck Load Pad
16:30	Talk w/MCJ:
	- Clarify sample QA/QC questions -(3) drums in VB HWShed L>MCJ will speak w/ MCA
16:45	Talk w/ Jim (Scilab) -Hold concrete samples until 2/10



SUBJECT	· · · · · · · · · · · · · · · · · · ·				PROJ. NO.	BY	DATE 2/9	SHEET
CS. BY		: DATE		CHI	ECKED BY		; DATE	
12:00	AAH €	cleanir	ig Tan	K 101	(Virgin	Mine	al Oil	
	Talk	w/Ed	(AAA)	$\rightarrow CI$	eaning	Tank	< 101	
	,	is not	in 5	pec, c	Contra	c+		
12:00	BBL	collect			3.			
30	BBL	collect	NM-V	BTE -	- VW1 VWZ VW3			
12:30		Spray su Pressure Photo ta Need to means	urtaces wash ken	$\omega / ho$	t HZO	ST.		
/3:00		staging Ear 75 FWW +						
	BBL	prep san	nples t	for de	livery			



SUBJECT				PRC	DJ. NO.	ВҮ	DATE/9	SHEET
CS BY		_: DATE		CHECKE	ED BY	<u></u>	DATE	
								10 Marin
·· · · · · ·								
17:00	<i>A</i> 44	faimplet and con No resid	e 200 cl tunmer dues, slu	ein cy nt (int.)	cle of	F 373 tom ot	3-01 ( - conta	ext.)
		Some st	ains + no	st rem	9110		1	and and the state of the state
	AAA	clean C Need to	'orr + Fl redo to	am Cal	25 (Ex	t. cont	γ)	
<u> </u>			do inte	rior	:			-
· · · · · · · · · · · · · · · · · · ·	AAA	clean 4	E exten	nor pup	ירו בינן	ERT To	uck Pa	id
	AAA	pertann i	1st Clain	cycle c	of TF	= Pinp	cutch	ocin5
17:20	AAA	begin 3	po clean	cycle	of 3	73-01	+ Con	tain
18:30	AAA	complete	151 Esponsole	an cycl	E of	Truck	Load	anea
19:00	AAA	complete	3RD cle	an of	373	-01		
		- Spray t - Hand bi - Hot Hz	ank ext rush was	erior w oh ne rins	/clea	ner		
19:10		transfer						No. 1 and 1 and 1 december of the contract of
19:35	AAA =	Complete Removed Complete	2 ro cle 2 Flam +	ean cyc	Je of abinet TF pu	Truk	Load	aren S
22:00	AAA	offload located is	WW from	n VT t torag∈ B	o 1,5 ldg.	00 <sub>J</sub> n1,	poly t	tun/4
	AAA	off si	1/=				Andrew Market Ma	
20:30	BBL	- off 51	te	The state of the control of the state of the	WEIGHT AND ANGELS IN SHIP THE	-	· · · · · · · · · · · · · · · · · · ·	E constituent i Michigan sancanalis sic i di



SUBJECT			PROJ. NO.	BY	DATE, 2/10	SHEET
CS. BY _	; DATE	CHE	CKED BY		; DATE	
					Thurs	F
:					Sun /CI Poss. Fi	rz, Rair
15:00	BBL on site					the state of the s
	AAA on site	:				
	Equipment:	- Box Truck - BobCat - Excavator - VacTruk - Air Compr - (Z) Jack		- Ha	zsore u .nd den	
	AAA Daily Plan		į		d 6" sub	flær
15:10	Safety Meet					of the special deposits of the special
15:15	AAA set up,	prep egpt.	for ac	tivitie		
15:30	AAA "de Con" (1 - Cleaner, p - Set up as - Using Vac - Off liquid	AAA) 55 gal. oness. wash t Truck pac Truk to co s VT -> Po	drums rinse d ontain ly tank	of W	W (10)	
<i>(5:50</i>	AAA begin 3° - Clean w/ - Scrub bru - Hot HZO	Clean of Bio Might Sh wash	Truk	Load F		

.



SUBJECT					PROJ. NO.	ВУ	DATE: 2/10	SHEET
		; DATE			CHECKED BY		DATE	
16:45		-Very cle -Many p Some s	an ne atche taining	s - br	try own + gra of TF p	ıy		· · · · · · · · · · · · · · · · · · ·
17:00		(1) man a (2) men BobCat Bucket	to han locati w/conc	Khamm d load ed in crete	rer ing debri Air Lock s covered vis into	s → Be chanb l durin	obcat er-(1 g remo	)man oval
17:00 18:00	BBL	collect (3) wipe (3) wipe See san	VECITON S from Aple 1	fication 373 n con log	on sample of the	ics rior (NM + tank M-373	1-E373 Inter SCT-V	01 - VW Tior 'W)
18:00		~ <del></del>	+ 600	سراس سے سام	TS no in E  N+E b  BobCat  during a			<b>E</b>
000	AAA -	cont. c Bob Cat	ionc. c turr	demo ned or	acts. F while	loadir	ng de	bris



SUBJECT		PROJ. NO.	ВУ	DATE Z/10	SHEET
CS. BY _	DATECH	ECKED BY		DATE	
20:00	AAA break for dinner			· · · · · · · · · · · · · · · · · · ·	
	AAA move mini-excavato	or in Ai	r Lock		
21:00	AAA back on site				
	AAA cont. conc. rmvl. fra	om TS	enclos	ure	
	AAH move mini-excavato - Cannot reach conc. - Easier to hand load	debris			
22:00	AAA N 80% of conc. deb TS lower floor - Soil below is dark				
23:10	AAA finish removing TS co - Offload debris → R/O	nc. Acor O	• :	i	
	BBL collect ver, wipes	from I	= pump	pans	
: .	+NM-PUMPAN-WVI	L + 2			
	AAA clean up			<u>:</u>	
24:00	AAA off sife				
10. 10 10 10 10 10 10 10 10 10 10 10 10 10	BBL off site				
en i en en remorter i mai en de se inc.					



SUBJECT					PROJ. NO.	BY	DATE 2/1/	SHEET
CS. BY _		DATE		СН	ECKED BY	;	DATE	
						· · · · ·	friday	,
				· · · · · · · · · · · · · · · · · · ·	*		budy/	_
12:00	BBL	on sit	( <u> </u>			10 to		
:	AAA	on 51	te					
	Equip	ment:	* Waitin	ig for A	MPC R/C	O for s	S01/	
	AAA	daily	plan:	• Clea • Rem • "	n inter ove top next	10 of s 5" "	TS en 501 -> 7 " → 3	closure 3CA R/O *O R/O
12:15	Sate	ty Me	eting					
The second secon	AAA:	<b>国</b> Mond	day ac	fivities	5.7		3	
			~ (NMPC					
		AAA of ence	is clean closure ish (13)	to ona drum=	un crush ble NM s follow	IEV + 11 IPC pe ing soil	nterion rsonno rmul	= /
/2130	AAA	begin	clean	ing int	erior o	f TS	endos	VÆ
		Hand " Remove	washind 11 ng useo	drum berm mater	crishe wall +	r surfa lebris	CES	
A SAME PARTIES AND A SAME AS A SAME A SAME AS A SAME A SAME AS A SAME AS A SAME A SAME AS A SAME AS A SAME A SA	The second secon	HEPA	ng useo filters	are r	unning	1		



SUBJECT	,	PROJ. NO.	ВУ	DATE 2/11	SHEET
CS. BY	DATE	CHECKED BY	· · · · · · · · · · · · · · · · · · ·	_: DATE	· L
			· · · · · · · · · · · · · · · · · · ·		
13:00	Talk w/MCJ				
	- Todays game - Can we get - Mondays ta	plan PCB reconcrete sks	vez n	lts in Z	4 Hr 3
09:30	Talk w/ MCA				
	· NMPC has A X · Clean drum co · Remove top A	2/0 coming tod rusher + interior layer of soil	ay of E + con	nclosure c. dust	
13:45	AAA Question: sludge that	What to do u remains in V	J/N2 actro	0 gal. 01	£ ,
	-> Ron calls M	1CA: OK for	AAA	to soli	dify
	sludge in l	Vac Truk and	place	in 75	C/9
	R/O for a	lisposal			and the second s
	AAA to complet	E soil removal	fice	; <del>/</del>	
	then NMPL car				
30	BBL collect PC				
		- VW4 next to			



SUBJECT				PROJ. NO.	BY	DATE Z/11	SHEET
.CS. BY _	; DATE		CH	HECKED BY		DATE	
14:00	- 0u - B= - Iv - Dr	t. clean tside flo rm wall un crust edo poly	clean clean dge clea her clea	an .	75' erc1	asune	
/4:30	AAA fini		ning TS		5		
14:40	X Still wa	uting for	- NMPC	R/O fo	r 50il		:
	AAA on	break					
16:00	Talk W/ - R/O - Ren - Have	MCA not h nove soil e concre	iere I + stag Ite Samp	e on 2 les and	× 6-mi	1 poly 24 /	tr. TA7
16:30	AAA set - Z la AAA bec - Brec - Load - Off	up soil yers of ym soil ax soil u f soil in	nto Bob	cat buck	et	door	
17:00	Talk w/S -Rvw -Jim	hawn at sample will be	t Scilas analysi in tome	b is xrav(5at	.) for s	ample	drop



engineers & scientis	7 \$							
SUBJECT					PROJ. NO.	ВУ	DATE/	SHEET
LCS. BY _		; DATE		C	HECKED BY		: DATE	
								t i e iiiwa
18:00	AAA	N 50%	don	e w/s	ioil remo	oval		
19:30 *		Stage 5 Soil to	oil out	side on nsferreo	oval fro concrete l to NMF w/BobCo DILEX -	- deck PC R/C	)	øς.
21:00	AAA	off si	te					
	+	begin NM-TS NM-TS	HWA-	VC1, 184		e sang	oles	
21:00	BBL -	collect See sa	conci mple	nete s notes	amples			
22:00	BBL	finish	samp	ling			1	
22:15	BBL	off s	ite .			i		
en e	THE ST COMMAND AND A STATE OF MANAGEMENT AND A STATE OF S	a and the second	I Andrew on the property of the late of the			· 4		, , , , , , , , , , , , , , , , , , ,
		an Andrewski name, sekin i ir kana, qa 💉 de men					ni z do de la constante de la	Minimum d and 1
			inggame pengga amadam i kelas		manda a a sua a a a a a a a a a a a a a a a	- · · · · · · · · · · · · · · · · · · ·	· .	Mr. 1. 10. 2. 10. 2. 1
	en promocination and the Mer Eur	and the second of the second o						an " bos



UBJECT	,	PROJ. NO.	BY	DATE 2/15	SHEET
CS. BY	DATE	CHECKED BY		_; DATE	
				vesday ion i35°F	
05:30	Leave Syracuse				
08:00	Arrive at NMPC No BBL on-site Waiting for QIS	. Albany			
08:15	Call MCA on cell ph - Discuss lab resul	rone Its			
08:20	MCA on-site - Cont. conversation	of lab res	v/ts		
08:40	QIS on-site - To perform inspe - Intro NMPC pers - Describe project	fonne (		373-01	
	Safety Meeting				
OR: 10	Conf. call w/TBM, M  - Discuss lab resul  - VB 6k → no for  - TSHWA-VCs  - TSHWA-Soils  X MCA+JM to dis L> Call back a	ts ther rem. cuss appro	action ach ne		N)
	* Fax results + dig	grams -	MCA +	- JM	



engineers & scientists		<del></del>				<del></del>		<del></del>
SUBJECT					PROJ. NO.	BY	2/15	SHEET .
LCS. BY	;	DATE		СН	ECKED BY	·		
	Fax re					42	28 - 3101	
10:00	Fax r	esults	<b>→</b>	JM (	VM) (3	15) 4Z (8ZI)-	8-354 3101	9 Faix
07:45	QIS	hegin	יכן במו	ection				
	- 5+1 - Pai - Cra	lten∈i Welds → Nee	s on still d to n	k + visu Each h cointair Emove s ext. nee paint o	ead (en slag	nd pla	te) brush	pent
11:00	- Fai	ling pai		piping for lung				
12:00	makaten mempala <u>ke</u> mangan penerti melala sementa se	back	<u>:</u>					
	QIS	begin	Ultr	neads i heads i over 1 section are .2			n.	
13:00	QIS		Pipe	s/coupl				
· · · · · · · · · · · · · · · · · · ·	Talk	w/ Ma	CJ: 1	eed to	decide	next	- task	



SUBJECT		PROJ. NO.	BY	DATE /15	SHEET
CS. BY _	; DATE	CHECKED BY			
					·
14:00	QIS finish tank te	sting			
	- Overall 'good' con - Interior: Sound, corrosion - Exterior: Good,	ndition welds (as	before	), /+H	/e
14:10	QIS completing paper				
<i>15:∞</i>	QIS off site				
30	TBM talk w/MCJ				
	- Collect (Z) conc. flo of berm wall adjac - Submit samples -	or samples cent to e scilab (z	from xist.	just ( Samp, le 7T)	outside
/6:00	BBL ready to collect sa NMPC personnel in area - to leave				
14:30	BBL begin collect samp				
18:15	BBL complete COC, san				
18:30	BBL off site to deli				
18:00	BBL deliver samples	•	!		
21:00	TBM return to Syracuse			» <del>†</del> .	- 



SUBJECT		PROJ. NO.	BY	DATE 2/24	SHEET
.CS. BY:	DATE	CHECKED BY	<u> </u>		
				Thurs ~50° Cloud	
13:00 BBL 0	on site (TBM, i	NBH)		,	
BBL	meet w/Jack H Give project over Discuss anticipat Mike Abbott to be Barb Z. is repla	, + Barbara - VIEW to Be Ed activition = on site la	arb es (sa, ter		
* BBL	wants to <u>confirm</u> Dipes, lines, etc.) Concrete floor be	n no struc are in Tra	ctures ( ns. Sha	:	<i>t</i> ,
13:30 BBL	unload Equipment	a supplic	5		
14:00 Safe	ty MeEting				
14:15 TBM	leave voicemail RE: Structures in	→ MCJ concrete f	Toor		
	prep for sampli				
· -	Markout TS concr Prep bottles	ete Hoor san	npla loc	cations	
15:30 BBL	off site				



SUBJECT		PROJ. NO.	BY	DATE SHEET .
ES. BY_	; DATE	CHECKED BY		; DATE
				Friday N 500F Clouds/Rain
07:00	BBL on site (TBM	1, WB/4)		
	Daily Doumentation Safety Meeting	<u> </u>		
07:30	BBL finish sample	markouts of	OTF	Truck pad
07:45	BBL begin collect		amples	<b>S</b>
	→ NM-OTFTP-	VR1: VOCs SVOCs		
		RCRA ME	tals	
:		PCBs		
08:30	BBL begin collectin Transformer Shop	g concrete s floor	amples	from
	- Most Egpt. has area West of	been relocati HWSA	ed fro	m floor
	- Work benches, on Hoor ansa - Sample location	South of HW s as per figu	S, E/C SA INE	. /Emair
:	-> See Sampling 1			
	BBL collect rinsate	E sample from	Corro	sive Cab.
- :	-> NM-OTFCC- i	VR1: pH		



SUBJECT						PROJ. I	NO.	BY	DATE 2/25	SHEET
CS. BY _		_; DATE _			(	CHECKED	BY		; DATE	
						1	THE STREET STREET			
09:30	:	Collec NM - C			:				mabl∈ (	Cab.
	Note that the second se							-	TORRAGIONAL COMPANY TO THE STREET COMPANY TO	
10:30	BBL	cont.	colle	ct c r	oncre insat	te s	amp 11	les		i
12:00	BBL	compl	ete	collec	ting	rinsa	ute.	sami	)/es	
/3:30		compl				*	`			
14:00	BBL	resta	re c	oncre	te fl	or s	sampl	E 100	cations	
		- Mix - Fill	batch bor≡	of s hole	5-Star s to	grou matc	it;	thick oor si	mix urface	
14:30	BBL	prep:	sampl	es h	or de	livery	<i>,</i> →	Scil	ab	
16:00	BBL	demo	biliza	<b>=</b> +	off	site				:
16:30	BBL	delive → See	<u> </u>	:	tos	Scil	ab (	Catho	m, NY)	
16:45	BBL	leave			-> R	etum	to	Syra	CU3E	
			1	:			A Section Control Space . Application in the Control C			
							- 1440			



SUBJECT		PROJ. NO.	ВУ	DATE 3/15	SHEET
CS. BY	; DATE CH	ECKED BY	;	DATE	
			;	Wedn	esday F
				Cloud	
		: 			
07:30	BBL on site (TBM, WPH)  -> Safety Meeting			·	,
09:45	BBL survey TS + MS - New + 'Old' concrete in	MS			
	- Permanent structures - Steel plates				
//:00	Fax figure to MCJ (BBL) locations	to con	firm s	samplo	s
11.15	BBL markout sample loca	ntions			:
/2:œ	BBL begin collect concre	te sam,	oles		
	- WPH collect samples - TBM measure locations - TBM regrout sample h				
/3:∞	BBL off site				
14:∞	BBL on site - Continue - TBM collect samples - WPH downmenting	sample	colle	ct	
16:00	BBL off site				
17:00	BBL deliver samples ->	SciLab	(Latha	m)	:
American in fact, would de benefits de		The state of the s		1	

statineios & scientifits
BLASLAND, BOUCK & LEE, INC.

HOW CLEAN OH POIST	
AAA begin clean up egpt, supplies from TS and OTF - place debris in A/O w/scil	51:01
SVONS SIUZOBRE ARMET ARINITE AAA	00;0/
Mant out sumple locations w/ WPH AAA clean dram cousher AAA begin & TSHUSA enclosure removal	90:160
Mart out sumple locations w/ WPH	51:60
Eutating prints	00:60
BBL needs access to Meter Stonage, Stairwell	
Meet w/ Jack H. (NMPC) discuss days activities  Afth to; i) Kennove TS enclosure  3) De Con drum crusher, OH hoist  4) Mave soil from pad to R/O  5) De Con JacTruk	
(HOM WOL) 2415 NO 799	Oh:80
- Mat/s: "1,100 gal. of WW in polytank in storage bldg.	
- Egpt: Vac Truck, Box top truck, Bobcot	
- Labors (1) Foreman	08180
521199/12 Building noted of 201122 @ 128	S1:80
Medinesday	
DATE CHECKED BY DATE	AB SO
PROJ. NO. BY DATE SHEET	20BNECT



SUBJECT					PF	ROJ. NO.	BY	DATE 3/29	SHEET
CS. BY		; DATE			CHEC	(ED BY		; DATE	
				,	- Max				
	0.01		,,,				,		
10:00		begin c							1
11:00	AAA	begin o	COVER	TSHU	ISA E	xcava	tion	Managa akan 1980 Militar kanan 1980 Mattar. 1988, 1981	
11;20	AAA	finish	. " .			. //			
//130	AAA	begin	De Con	Vac7	ruck				
i2:15		finish	1 1				. 1		
12:20	AAA	collect of VacT	veri ruck	ficatio (NM	ON WI	pes VT-V	from WI+3	interio	
12:45	BBL	collect	ver.	WIPE	from	n 01	hoist	(TS)	- 1
12:30	AAA	off si	te →	lunch	1		in Cro	7/16/	:
13:15	AAA	on 51	te					<u> </u>	
13:25	AAA	begin	movii	ng 501	I from	n pad	l into	R/0	
12:50	Bobo	at del	ivered	1					
	RO	contains	pads	, trasl	h, deb	ris be	fore s	oil	CONTRACTOR OF THE STATE OF THE
14:15	AAA	Finish	load ir	ng soi	I into	R/0			
14130	AAH	off:	site	:					
	Bill	Hopkins	(BBL	-) on	site				
	* Wa	.lls at o	endra)	nce o	t tre	ck d	ock to	replac	E ?
	The second secon	e e e e e e e e e e e e e e e e e e e		reger da arma i i i i idalah piya a maran arabahan a					



SUBJECT		PROJ. 1	NO.	ВҮ	DATE 3/29	SHEET
CS. BY _	: DATE	CHECKED	BY		; DATE	
					and the stringer at 1 to special animates are 1 to 10 to	
· · · · · · · · · · · · · · · · · · ·				·	:	100 a 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
15:00	BBL review vaults in	_		/ 11-	· · · · · · · · · · · · · · · · · · ·	
A MATERIA MANAGEMENT OF AMERICAN CONTROL OF AM	- Does NM want to - Must relocate El	fill &	any,	1all :		
· Ann · · · mentante in management are	- 10 conduit run 12			SUT	face	<u> </u>
	- Vaults filled w/	1420				
	TOUR	1				
	Truck dock					· 1
	- Sanitary Iccation - Pipes in Floor		1			
The second section of the sect	- Walls near Entrar	ICE		:		<u> </u>
	- Pipes & ducts abo				:	
· · · · · · · · · · · · · · · · · · ·	Pipe Trench		!			AMERICA CONT.
	- What function? -	· Condenso	ate ?		! ' !	
	- where to?				: :	
· · · · · · · · · · · · · · · · · · ·	(2) 17"/18" Floor drains	Z				NEWSCORP PROCESS AND ADDRESS OF THE STREET, AND
,	- Identify			1 1 1 1		to an order or one describing time :
The second of th	- Future status				randomina a mandere - (al. al.) (al. el l'Allendere, el lega el lega espera a - seno E	
The state of the s				TO SPECIAL DE LA CAMPAGNETA DE LA CAMPAG		
	(3) Scaled Drains + 1	5"				<u> </u>
	-Id					
:	- Future status	<u> </u>				
en e e e e e e e e e e e e e e e e e e	Is TS floor sloped	tor se	Hlec	(2		
e e e e e e e e e e e e e e e e e e e	Restore floor over co	lumn be		D//= 0	2007	>No
			• •			
. T.	VB: Trim back wate Anchor fresh m Coat w/ same s	rstop			· · · · · · · · · · · · · · · · · · ·	
The state of the s	Anchor fresh m	ertar to	EXIS	<i>t</i>		
	Coat w/ same s	ystem		The same annual supplier and the same and th	:	1 00 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
16:30	BBL off site		<del></del>		1	
10,00	PUL UII SIJE	THE STATE SHOWS STATE OF THE ST	; 		· · · · · · · · · · · · · · · · · · ·	:
the second communication of					<del></del>	



SUBJECT	PROJ. NO.	ВУ	DATE 4/4	SHEET
CS. BY: DATE	CHECKED BY		DATE	
		/<	uesday ain 50° F	
09:15 BBL on site (TBM)				
Speak w/ Jack H> • Collect concrete • Parratt Wolft to c	collect (4) soil	boring	uities s	
· WPH to be on s · JH- scrape on  01:30 Unload Egpt.  Pren simple centages		ock		
Prep sample containe  Mark out sample loc  10:00 Safety Meeting				
17 drums = 3 ring to, 2 full	p/14 fluid 12 full			
1= 1/2 full	1 /2 full			
	:			
			· · · · · · · · · · · · · · · · · · ·	
				: :



JBJECT		PROJ. NO.	BY	DATE /7	SHEET
. BY _	; DATE	CHECKED BY	;	DATE	
			WE Sun	dneso nny 10°F	lay
4;30	BBL on site				
9:45	AAA on site - \$1 So See Satety Meeting	per, 3 lo Sign In Si	bors heet		
2: <b>C</b> 0	AAA Supply Truck on (16) HEPA units 4" Rib/Corrugated HD				
	Lumber: 2×4s Mobile circuit breaker 05B-4×8s Poly Hand tools				
10:30	AAA begin constructing en Walk site w/Ken P.	nclosurē			
	- Enclosure @ Gen./Elec.  cpening windows - BBL will markout non - Remove office slab  wait for floor til - Outlets on cols -> se - OH crane to be LOTO - Water in truk dock - NMPC material on MS - Can RIO be placed in	TSCA cor E status EE MENVam Side of T	C. rmv	l. an=a	5

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JBJECT		PROJ. NO.	ВУ	DATE,	SHEET
A . BY	; DATE	CHECKED BY		_; DATE	
· · · · · · · · · · · · · · · · · · ·					:
1:30	AAA construct air lock	s@TD ent	er +.	manway	/
2:00	Ken P. off site				
2:45	AAA crew break				
13:45	KEN P. on site				
	AAA resume enclosure	constructi	ion		
4:20	BBL talk w/ Jim MCA	lance (NMP	ح)		
	L> SEE "NMPC' ItE	ms" \$ shee	<u>-</u> +		3
(5:00)	AAA off site				
	BBL talk w/ Barb Z.				.,
	La SEE NMPC Items	sheet			
	Observations:		A CONTRACTOR OF THE CONTRACTOR		
	- TD air lock framed				
	- Manway "" " - GEN/Elec. bank frame	d		:	 
	-TD wall framed				
· · · · · · · · · · · · · · · · · · ·	- Supply truck (AAA) let	t on site			:
	- TD steel deck (bridge) + placed in MS	) removed t	rom 1	D	· · · · · · · · · · · · · · · · · · ·
	T Placed in 175		! :		
			· · · · · · · · · · · · · · · · · · ·		AND
50	BBL off site				



ÜBJECT		PROJ. NO.	ВУ	DATE /8	SHEET
BY_	; DATE	CHECKED BY _	<u>.</u>	DATE	
			Thur. Sunn ~70		
71.CO	BBL on site (TBM) AAA on site: (1) Super				
77:15	Safety Meeting  AAA continue to cons				
	Site Observations - OH crane to be LO - TD/MS wall Frame ne	070			
	- FEW frame sections a  -> Must be supported	attached to	o pipes		
78:30	AAA cont. W/ Enclosure - Framing needs late	Fral bracing	9		
08:35	AAA break				
20:05	AAA back to work  - NEED to move spriv  - Power hookup for	nklers in 480 V, 1	TS of	fice 125 Am	$\rho$
09:30	AAA hanging poly on the AAA find poly bag w/.	:	nt of o	sbesta friable	25
iD:30	AAA placing poly over 1				

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UBJECT		PRO.	J. NO.	ВУ	DATE, 6/8	SHEET
. BY	; DATE	CHECKE	D BY	;	DATE	
				i		
11:30	Ken P. off site					1
12:00 /	AAA cont. hanging	poly in	M5 4	TS G	en/Ban	k area
2:30	Len P. on site	:	·			
13:15	LEn will not be	on site to	morro	<u></u>		
13:45	Hanging poly in 1	MS area	:			1
	" near	office O	14			
14:00	AAA hanging cabi	es in TS	Mete	- area	0/4	
4.30	AAA off site					
5:00	BBL talk W/NMP	C (TBM U	U/BS	٤)		
	- ID lab for fla	por tile asbe	estas.	sample	<b>=</b> .S	
			۸ /			
	- LEAVE VOICE MAI	D power s	Vance Source	in T.	S	
15:15	BBL off site	•				
			:			: !
:			:		: :	
						1 :



UBJECT		PROJ. NO.	ВУ	DATE/ 6/9	SHEET
6. BY_	; DATE	CHECKED BY	Free	DATE day udy/So	v80°F
97:00	AAA on site -> Re BBL on site	eith B. replace	E Ken	P. (f2	reman)
5 <u>7:15</u>	Safety Meeting  AAA - No addl. Eg.  Site Observations:	pt, on site t	oday		
	- Enclosure complete - " wall " - " " " - Cables hung @ Met	@ TD/MS  By TS Gen/Bank  TS office and	Need	brac	εX
07:45	Talk to Jim Mc (NI	MPC) re power	outle	t for	AAA
28:30		area O/H			
09:00	Carl (Facilities) locat  Breaker Box # PF  X 208 Volt, 30	2-3 (outdoor	pump		
	AAA to hard wins NEED qualified eli Talk w/ Bill Donovar	Ectrician			



SUBJECT	PRO	OJ. NO.	ВУ	DATE 6/9	SHEET
. BY _	DATE CHECK	ED BY	;	DATE	
09:45	AAA break				
10:15	AAA off break				
10:45	Poly over O/H door from 7 - Talk w/ Ken P. on Monda		main	garagi	= 7
11:15	BBL photo Genesee St. S	5Ub 57	ation		
11:45	AAA break for lunch				
	AAA back on site		:		
3:30	AAA break - Men + egpt truck gone				
13:15	AAA off site				
	BBL take photos @ interior Observations:	- of -	TS		
	- Enclosure complete a TS Me - Need to brace TO poly w - Talk w/Art (NMPC) - remove	fer av all elec	ea (low box @	bay) 0	H
<i> 5:∞</i>	BBL off site		1		
					_
: :					: :



SUBJECT		PROJ. NO.	BY	DATE, SHEET
S. BY _	; DATE CH	HECKED BY	;	DATE
:			Mor Clo	
	NMPC: Barb Z off site	today		
791 <b>3</b> 0	AAA on site			
10100	Safety Meeting  AAA continue hanging p	20 ly		
	BBL on site			
	AAA Equipment: Flat - Scissor Lifts: Genie	: G5-193	30 #PI	688
	AAA hanging poly near SE	0/H door	· · · · · · · · · · · · · · · · · · ·	689
11:05	AAA coffee break			
/1:30	AAA hanging steel cable in 75 high bay area  - 1 man in lift / 1 man an		1	
:	- 1 man in lift/1 man or - Wrap cable around rail	ledge +	anchor	
12:30	Steel cables hung in TS	high ba	y anea	
13:00	AAA begin hanging poly			
	- Start on East End - Attach wall poly + ciel - Pull poly to next wire - Wrap poly around cabl	ling poly + stable E + stap	a) cal	o/E



BJECT	PROJ. NO.	ВУ	DATE 6/12	SHEET
BY; DATE	CHECKED BY	;.	DATE	
		: .		
1:00 AAA cont. han	poly in TS high	bay are	a	:
1:45 AAA clean up		/		
Observations:				
- AAA circuit	box located in			
- Circuit box of - Office low be	ires above poly, area enclosed	to NMPC	box	
- Meter 11 11 - Poly hung ove	" "			. <u> </u>
Need to hand	poly over TD and around TD area	5a		-
Sido AAA Off site				
5:20 BBL off site				
77-0 000 011 3116			:	
			; ; ;	•
			· · · · · · · · · · · · · · · · · · ·	:
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JEJECT			PROJ. NO.	ВУ	DATE / 6/13	SHEET
6. BY_	: DATE	CHE	ECKED BY		DATE	
. :						
		: ;			=sday	
i					OF	رح
7:00	BBL on site					
	AAA on site Barb Z on site today					
1:15	Safety Meeting					
	AAA egpt: No new p					
	- Weld seams @ Hi ba - Hang poly over TO	4/6	ow bay			
33 00	Talk w/ Barb Z. (NMPC)  - NMPC observer select  - Asbestos lab? → B	ted Sarb	7->TO.	m Whi	he to a	decide
3:15	Talk w/ Jim M. (NMPC) X - AAA to have electrical - HZO source in wash b	ian	wire c	ircuit	box	
3:30	AAA hanging wires in cont. Weld seams	<b>\$</b> (	TD are	a s)@ t	ti/Low	bay
3:45	AAA leave seam open -> Talk w/NMPL re:	@	0/H hEat 11 (1	Gr m	TS	
9:15	AAA break					



JBJECT		PROJ. NO.	BY	DATE SHE	ET
. BY _	; DATE	CHECKED BY		, DATE	
· · · · · · · · · · · · · · · · · · ·					
9:35	AAA back to work				
0100	Ed Rosen (Rosen Electr	ric) on s	site		
	- \$500 Est. to wire AAI	9 circuit	box to	NMPC SO	ourc
30	Rosen off site				
1:00	AAA hanging poly @ TI	bay			
	- Poly hung over TD Bir TD wood frame		ancho	ned to	
	BBL measure TD steel 3"x: - TD bearing plate welded 2"x1" Liron legs w/3 an	51" × 3/8" 1 to 4" × 4"	Ziron,	welded t	0
	walls. (1) leg cutation fl	oor $w/2$ and	rchor b	olts on Wes	t 510
	- What is bearing Bridge				?
	-TD drain plug w/C.O.				
	- Recommend installing carry loads	lēgs und	er br	ridge to	
	-Ladder on west side has	(1) leg be	ent.		:
<b>9</b> 5	AAA break down Egpt.				
2:15	AAA turn off Hot HZ	D valve @	75	OlH heate	r



SUBJECT		PROJ. NO.	ВУ	DATE SHEET
S. BY	, DATE	CHECKED BY	· ;	DATE
13:00	BBL conduct encle	osune observa	tions:	
	Office: / Weld seam ( V 2-Ton radial V Seam @ Flow V Seam @ Ger TS: V Anchor botton MS: V Cover elec.	arm O/H hoist or, lite n. encl n sean @ Mete	not c	
Ox CI	TD: Anchor ext. Attach ballo neck Gen. Enlosure fo	r Hi temps		
	All: No exposed na		wood m	embers
13:45 14:15	TD O/H door wont - Cable fell off p  O/H door opens/close		A to rep	air End. 6/19
14:00	Rosen Electric on  - Wiring AAA trans  - Rosen test system	site	.PC bre	aker box
	- Rosen test system Rosen off site AAA off site BBL off site			



JBJECT			PROJ. NO.	ВҮ	DATE 6/13	SHEET
BY	; DATE	CHE	CKED BY	· · · · · · · · · · · · · · · · · · ·	DATE	
9:35 AAA	back to work	<				
100 Ed 1	Rosen (Rosen	Electric	on s	ite		
- 45	00 est. to wire	= AAA	circuit	box to	NMPC	sourc
	n off site					
:00 AAA	A hanging poly	@ TD B	bay			
	bly hung over T D wood frame		TS &	anchor	ed to	
	measure TD s	- 3"× 51"	× 3/8"			
- 7D 2" W	bearing plate w *1" Liron legs w alls. (1) leg cutation	velded t 1/3 ancho from Floor	or y"x4"	iron, u into chor bo	veldeo TD con Its on i	Lto Crete Nest sic
- Wh	nat is bearing E		755 — L	iron o	r leg	s ?
→TD	drain plug w,	DEC / C.O. #	R7062	4-91-	07	
	scommend insta	!				<i>t</i> o
	dder on west sio					
O <sub>15</sub> AA,	A break down	egpt.				· · · · · · · · · · · · · · · · · · ·
2:15 AA1	9 turn off Ho	of H20	value a	750	)/H he	ater

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UBJECT		PROJ. NO.	BY	DATE SHEET
s. BY _	; DATE	CHECKED BY	<u>;</u>	DATE
			Mor Sur	nday ny
4:00	AAA on site			
	AAA Equipment: - VacTruk #7A Egpt./Supply true	-376 CR		
	-(2) Concrete Sac BBL on site	ws: Target	Pro 35	#P1573 #P1427
0	AAA repair TO enclos AAA setup air machin			
15:00	-(9) machines stacking -(3) "  #BBL check w/NMPC of TS co(umns  Karl (NMPC) Facilities	e: L070 o	OH doe f gutl	
/G: 20	MIKE Clark (NMPC)  L> Pager 876-5084  CEIL 428-3439		site c	bserver
	MIKE Clark on site  BBL request outlets	de-energi	zed b	y Mike Co



BJECT		P	ROJ. NO.	BY	DATE / 19	SHEET
. BY _	; DATE	_ CHEC	KED BY	· ;	DATE	
- trigonia - santon - contentante antique de deserva-						STEER OF CHARLES AND ASSESSMENT OF CHARLES A
:30	Safety Meetin	ng				
:45	Mike C. begin 4	tracing outle	et circ	cuit @	METER	bay
200	BBL collect co.	ncrete sam	ples			
The state of the s	- Collect (1) com			lock w	all	
:15	AAA begin knock					
	- Using sledge - Start at End - Remove towa	hammers	to br	eak a	vall	
	- Start at End	s, mid-he	ight.			
	- Lower section	(Emaining	The first do			
	- Knock down 10	ower section				
	- Clean debris	+ drop in 1	D area	2		
:00	AAA finish dem	o of TD b	lok wa	11		
	- Need to rep	air Enclosu	re alor	y top	of TD	
1:30	NMPC (MIKE C.)	LOTO/deene	rgize	Meter	bayou	utlets
3:00	AAA collect To	5 office floor	or tile	Sampl	٤	
	- Collect (1) con	mposite from	n 3 d	scretes	5	
	- Collect (1) con - So, end + midse - No. end have	ection have yellow/tan	black adhes	adhes Ive	SIVE (IVI	astic
-20	NMPC (MIKE C.) L					i
3:30						
	AAA begin concr -2 teams: I me -(1) team @ Ge -(1) Loan @ to	an on saw t	1 may	r Vacue	ining t	420
· · · · · · · · · · · · · · · · · · ·	-(1) team (a) Ge	encl.	DD,	F. 1,=	Well	



UBJECT		PROJ. NO.	BY	DATE 6/19	SHEET
. BY_	: DATE	CHECKED BY	<u> </u>		
			:		
9:10	AAA stop activities du - CO = 294 ppm	e to high	COn	Eading	7
9:40	AAA back to work c - 2 teams - 1 man on saw//man - Cutting HZO -> Vac	utting conc vacuuming Truck	HZO		
20:00	AAA stop activities -> / OTEAN make 1 pas Dinner break				pm
21:00	AAA resume concrete - 2 teams - 1 cut / 1 vac - Cutting floor (TS) - Make 1 pass @;	J	nes a	) 4' 0/0	2
21725	AAA stop/break -> Hi	CO = 33	30 ppm		
21:50	AAA resume concrete -2 teams - 1 pass/team	cutting			:
22:20	AAA stop cutting ->	CO = 307	ppm		
22:45	AAA resume culting				:
23:00	AAA stop cutting -> 0	0 = 286	ppm		
Dizo.	AAA resime cutting				
23:30	AAA stop cutting ->	CO = 294	ppm		



BECT						PROJ. NO	). 	BY		DATE 6/19	SHEET
. BY	;	DATE			CHE	CKED B	Y		;	DATE	
							: :			1	
3:45	AAA	break	/clear	<b>ι</b> υρ	for	shi	FF				!
1	:	off:									
· · · · · · · · · · · · · · · · · · ·	·	off s			: :	t t			;		1
		- off									
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	:	:			:						
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UBJECT		PROJ. NO.	ВУ	DATE / 20	SHEET
S. BY	; DATE	CHECKED BY	;	DATE	
·			To	iesda	<del></del>
		:		unny 1	1
15:00	201				
	BBL on site				
	BBL calibrate H+S moni	foring Eq	PT.		
15:45	Site Observations: - Some cracks in concrete	along cut	lines		:
	- AAA complete 8 pas - Change filters on HE	Prt units	<i>J</i>		
	- HZO puddle in Meter -(3) NJS passes in Meter	- bay			
16:00	AAA on site				
	AAA Egpt: -No new Egpt.				
i	Satety Meeting BBL collect Air Monitor	ing sampl	ES		
16:10	HAM begin concrete cu - 1 operator wearing PCI		pler		
	- " " " Silic - Concrete saws spraying	2a "			
	- No visible dust - Vac HZO into VacTruc	<u></u>			
16:40	AAA stop activities >		27 ppm		
	AAA resume cutting co				***************************************
19:30	AAA stop cutting -> CO	· · · · · · · · · · · · · · · · · · ·	m		
	, , , , , , , , , , , , , , , , , , ,	/-/-			



JBJECT		PROJ. NO.	BY	DATE SHEET		
. BY	; DATE	CHECKED BY	;	; DATE		
1:55	AAA resume concre - Cutting around per	imeter J				
	- " 'Ts	s office pac	1			
3;50	AAA stop concrete	gpt.				
1500	BBL observe concre	te cuts				
	- NEED clean cut n - NEED saw cut @ p	perimeter o	f n=mo	val anea		
	_ 11	SE corner				
	AAA resume concrete - Cutting @ Main go	rage perimo	ter			
9:50	AAA stop cutting ac	tivities				
D:10	AAA resume cutting - (1) team @ Genero	concrete ator enlosus	<del>(</del> 1)			
1:15	AAA stop concrete	cutting				
1130	AAA resume conc. cu	tting @ Ger	n. enc	losure		
21:50	AAA stop work activ	ities				
12100	AAA off site					
2:30	BBL off site					



BJECT	PROJ. NO.	ВУ	DATE	SHEET
. BY	CHECKED BY	;	DATE _	<u> </u>
6/21				
MS	TC			
9:30 2.58	1.09	: <u> </u>		
9,00 1.82	0.427			
0:30 2.72	0.397			
	6/22			1
Add Z HEPAS -> MS		0.4		:
	5:25	0.842		
Change all filters.	6:00	0.265		
Poly over debris	7:00	2.76Z 0,383		
roig over debris	7:30	9,482		
Barricade around TD	8:00	0.274		
	9:00	1,913		
Repair TD airlock	10:00	.579		
	10:30	.276		
Clean up trash/debris	11:00	, 580		
	11:30	.868		
Clean MS debris				i 
0 10 00 00				Andrew Communication of the Co
Airlock @ MS				
				:
		· · · · · · · · · · · · · · · · · · ·		***************************************
		· · · · · · · · · · · · · · · · · · ·		
		4,		
		50 p. p. Alla yi.		
		e		

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5115 1	5:te -(4) -(1)	N/S	bra =rv	te atu		1			CHECK	ED BY			We Sur	dno	=sda Lloua	24
5:15	3BL Site -(4) -(1)	cali Obso NS Elin	bra =rv	te atu		1		<u>~</u> 21					Sur	1/0	loud	24
5:15 6	3BL Site -(4) -(1)	cali Obso NS Elin	bra =rv	te atu		1		<u> </u>	ot,							
;40	S:te -(4) -(1)	Obso NS Elu	=rv Cu	atu		1		G 21	ot.							
	- (4) - (1)	N/S	Cu		on	5 3	-	1	*		!					
(Meter)	<u> </u>	E/4	CU		$\alpha$		1		:							
	- (1) - (1)	WCU E/W N/S E/W N/S	1 t a 11	long	)	V h	wa Hi k 11	II, pay	NOT an ii	5a 5a → 10w	too !!	26 4	01	H g		bæar
:50 /	AAA	on	sit	<u>ت</u> :				100								:
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ci.00	Safeti	1 M	ر ج	fing		:				-						
	4AA - @ - @	TD MS Ea	0/	H	doc			un								



JBJECT		PROJ. NO.	BY	DATE 6/21	SHEET
. BY _	; DATE C	HECKED BY _		; DATE	
0:15	AAA setting up air comp	nessor	+ Egpt		
5:45	AAA begin cutting concr	rete @	East wa	dl	
7:00	AAA begin scarifying a  - Jack hammer up to			1	MS?
	- Jack hammer up to - Misting HZD w/ ho: - Found pipe hole in	se floor @	NE co.	rner	
7/30	AAA resume saw cutting	<u> </u>		<u> </u>	
	- Does not appear to l	be full	depth	(NZ"-	3")
8:00	AAA bring Bob Cat on	SITE			
	- Cat Model 246 - Steel tracks over rubb	er whee	Els		
	AAA cont. scarifying @  - NEEd to mist mone u  - Area in garage has  concrete to a depth  - Area in MS down to 1	H20 coating		s brea	king
8:15	AAA moving MCV wall o	lebris	toward	s bac	K
19:00	AAA switch teams @ AAA switch bucket w/ra			1	: !



JBJECT	-	<del></del>	PROJ. NO.	BY	DATE	SHEET
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. BY _	: DATE	CHEC	CKED BY	,	DATE	
					1	
		:				
7:30	AAA continue e	scarify in	MS an	Ea		:
			1 1		down Z	."3"
	- Appears to	be asphalt	MIXED	W/ cor	ionete	· 
9:45	- Small area 1 - Appears to - Sweet smell AAA bring Bob	cat up to	TS F	loor		
	- Stack MCU w - Drive Bobcat	t up + over	delons	onto	TS floo	
D;00	AAA breaking c	oncrete in 7	5 w/r	am-ho	05 + Bol	ocat
•	- Broke ~ 4'	×4' section				:
	- Broke ~ 4' Dark materi - No odor -	al + aggred - PID = Z.	gate be Z ppm	=low VOC		<u> </u>
Ø:15	AAA change ra			<u> </u>		
0;30	AAA breaking a	oncrete @	TS ω/	Bobca	t + fe	rks
			1 1 1	1		:
	and poppin	g concrete	ا من	99		
:	- Placing forks and poppin - Removing T Placing conc	SCA concre	te sas	$rac{1}{2}$	f TN	
				Grido		THE PARTY OF THE P
21:00	AAA continue.	scarify 0.	M5			normalis i i i jerikimer
	AAA cont. brea	king concre	te @ T	3		
	- l" horizonta	I conduct o	embedd	edin	debris	<u> </u>
	- (2) 2" vert.		1			
	<u> </u>	~	1 (61.00	vac ar	54	



BJECT		PROJ. NO.	BY	DATE 6/21	SHEET
. BY	: DATE	CHECKED BY	,	DATE	
1130	AAA cont. scarify	@ MS			i
			T-<		-
	AAA cont. concrete	I I GMOVAX (A)			
2:00	AAA break			. :	
2:30	AAA resume work	2 activities			
	- Cont, scarify @ - Cont, concrete re	MS			
	- Cont. concrete re	emoval + demo	ont	5	
5:00	AAA breaking concr	ete in \$TS	w/Ran	r'hoe	
3:30	AAA, BBL, NMPC in concrete removal	rspect condui	tin	<i>TS</i>	
	- See attached f		:	: .	
3:40	AAA stop work a	ctivities			
100	AAA, BBL, NMPC	off site			
	TD Area	λ			i
					<del>-</del> :
	:		<b>S</b>	1 <u>2</u>	
· .			Con.	UVIT	
			<b>8</b>		



UBJECT		PROJ. NO.	ВУ	DATE 6/22	SHEET
. BY _	; DATE CH	ECKED BY	<u> </u>	1_/	
				rsday udy e F	
4:30	BBL on site				
5:00	Prepare documentation of NMPC (Mike Clark) reins control @ TD column				
	Site Observations:  - Approx. 1/3 of MS are steel plates + main - N 1,000 sf of concret in TD area (separate - Soil in TS removal are - TD areas to barrica	garage garage in To from a is do epair	6 demo	2'd + p	
15:45	AAA Egpt: No addl. pie				
[6:00	Safety Meeting  BBL neview punchlist	tems	w/AA	A	
16:15	AAA adding (Z) HEPAS (AAA neplacing all filter	n Ms (	Total =	3)	



UBJECT			PROJ.	NO.	BY	DATE 6/22	SHEET
s. BY	; DATE		CHECKED	BY	-	; DATE	
· i			. !				
6:40	AAA repairing	TD a	irloc	K @	Exter	rior	
	AAA placing pol	1 OVE	r deb	oris	in T	<b>D</b>	
7:00	AAA demo + rem	nove c	oncret	E 1/n	75		
	AAA saw cut TS	S peri	meter	- 0	stairu	15//	
17:30	AAA begin scari	fy ir	MS	are	a		
3:00	AAA cont. concre	<b>'</b>		: 1		1075	
	" " scarify	, in	MS			and the state of t	
3:30	AAA removing cond w/Bobcat + buck		1 1	5 4	placin	g m T.	<u> </u>
	Ken P. moving deb W/ front end loa	oris t der	owards	5 EX7	t, end	of to	)
9:15	AAA cont. scarif	1 m	MS	20 10 10 10 10 10 10 10 10 10 10 10 10 10			
1:30	Bob Cat w/ ram-h	oe de	emo c	concr	ete 11	n 75	
	- Breaking concre - Min. 1° clearan	te at	perin	në të duma	r of pade	TSCA,	Non
0;20	AAA break			. :			
	- TSCA debris Q - CINV Wall dek						



JBJECT			PROJ. NO.	BY	DATE 6/22	SHEET
. BY	; DATE	CHE	CKED BY	<u>;</u>	DATE	
:						
21300	AAA back to wor	-k activ	nties			
	Bobcat w/forks rem TS floor Cont. scarifying 11			ections	of	
	- Small area of une	sand cor	knete w	ithin,	larger	
2:00	Bobcat 'popping' so - Removing TSCA			Conen	ste	
2;20	AAA break					
2:45	AAA resume work	k activi	ties			
23:15	Bobsat replace for	rks cy	Ram-1	noc		
13:30	Removing concrete  - Embedded con  Notify NMPC		+ Meter			
24:00	AAA off site					
	BBC off site					



DECT				PROJ. NO.	BY	DATE	SHEET
. BY	DATE _			CHECKED BY	·		
5/23		: :					
:00	Observirt	10015		· · · · · · · · · · · · · · · · · · ·			
er voor anname is a same to produce partie and	4	70	/ /				
······	Repair Ucan O	A (	1 / 1				
	SAU CUTS	(a) (b) c	015 hear	office			:
	Column pa 2 walls o	d near	5W TS	WS/ABC	orner 6	noken	2
:	TS Flr	15WSA+L	ow bay /	meter) re	moved	hetweer	ι
	MS 95%	5Carify					:
. Address of the state of the s	Punch thro		v4'C	of C4	3		
	Scabbler		426		;		
:		4:45	1,109	:	A CONTRACTOR OF THE CONTRACTOR	NMP	20
		7.	0.443			A / / /	
<u> </u>			1,042			011 /11	<u> </u>
1			0.939				
<i>3</i> ċ	JIMM.		0.487	,			
	(Ind)	9130	0,429	· · · · · · · · · · · · · · · · · · ·		1	taribinahilikokokokokokokokokokokokokokokokokokok
	Grag			:			
: : ;	MCJ	No 7/3	100		4	45.9161	,
3 <u>0</u> X	America					FAX	
	7-11-61-1-60	<u> </u>		<u>:</u> :		, , , ,	
<i>3</i> C	Laurie I	$\rightarrow L$	land c	alcs			
CTV			7	F. L.	1-	<u> </u>	
-J K:-	KGE-Carr	011 - 20.	mpling/	COPT, C.	isan /		
			:				
<u></u>	Figures.						
Nail	Motor Co.			;	***************************************		
- NUILA	1 VUICS FOR	7773					Trong Tr



BUECT			PROJ. NO.	ВУ	DATE/23	SHEET
·BY	, DATE	СНЕ	CKED BY		DATE	
					day iny P	:
:	3BL on site					
	Prep documents	+ H/S E	9pt.			
5:30 /	VMPC (Mike C.): C L has been deen bank. OK for	Embedde Ergized AAA to	d condi and cu termi	it in t at a nate	75 Circuit	2
5:15	AAA on site					
	Site Observation  - Approx. 73 of  - Rebar exposed  - Conduit exposed  - Conduit exposed  - (3) HEPA unit  - TS: Conc remo  - Column pad cro  - Slab on Earth,  - Soil near Office  AAIA egpt.  - Vac Truck  - (2) Supply to	MS scar In garage 1/Embedde 1/Embedde S In MS DUED TSWS acked ove ACKED OVE ACKED OVE	E area $anea$ $anea$ $TD$ $r$ conductions	Hot area t near	near o Meter	HICE
	- Air compressor - Front end load - Road saw #1: - Cat Bobcat Z	er - (at 573	TH83			
	- (16) HEPAS - Jackhammer					



JBJECT	PROJ. NO.	ВУ	DATE SHEET 6/23
BY : DATE	CHECKED BY	;	DATE
5:45 Safety Meeting TSCA			
5:00 AAA removing debris wy TS and placing in T  AAA removing v 100 gal.  poly tank into Vac  XNCED to sample Poly AA  Load poly tank into vs  - Scarify concrete w/ - Wetting work area w	of liquid Truk Tank A upply truc MS	From	
17:00 AAA begin demo concre  - Ram-hoe attached to - Punching through concre area of outs, arour	Ete in TS  Bobcat  Ete @ save	uts,	central
17:10 BBL -> AAA:  X AAA must saw cut			mn pads
17:30 AAA begin saw cut a  AAA break air line to  - Jack was uprite, fe  - Turn off air compai  - Replace air line	jackhamn	~EV	

.



SUECT		PROJ. NO.	ВУ	DATE 6/23	SHEET
BY_	; DATE	CHECKED BY	;	DATE	
i					
3500	AAA brook -> C	CO = ZZO ppn			
5:30	AAA resume activ	11=3			
	- Scarity in MS - Saw cut in TS - Ram-hoe break	concrete in	75		
	AAA knocking do  - Punch thru wal  - Push into berr  - Slab + wall p  (SW corner o	ned area			1(5)
9:00	AAA continue act	Tuities			
	AAA knock down (1) - Punch thru was - Push into bein X - Berm wall pulls - AAA to repair	m anea comer of c	1		2
19(30	AAA brak -> C	0 = 217 ppm			
20:00	AAA resume work	and a position of the first of the first of the superior of the special company of the superior of the superio			
	- Scarify in M: - Saw cut column - Demo/remove c	pads oncrete in TS			



JBJECT		PROJ. NO.	ВУ	DATE 6/23	SHEET
BY	_; DATE	CHECKED BY	· · · · · · · · · · · · · · · · · · ·	DATE	
	7 punch hole that fi				
	Approx. 4" round hole ocated approx. midu -> Appears to be CH'T continue work a	say bet, 3 location	C29 +	denomination of the control of the c	
20145 AA1	7 stop work activit	ies for	day		
11:00 AAI	7 off site				
	> See 6/26 Field 1	Jotes			
21:30 BB1	off site				



JBJECT			PROJ. NO.	BY	DATE 6/23	SHEET
6. BY	; DATE	CHE	CKED BY	;	DATE	
Visit in a state of the state o						
1						
6100	AAA teaml moving a					
	Tem Z transfer v/00 gai	- liquid,	From 146	$00g \rightarrow$	Vacto	K
<u> </u>	~100 ga1				to commence of	<u> </u>
·	Z AEPA units					
130	Scarify MS			CO		
				lteti		
5:00	Hammer TS conc.		MS	GET .	TS	icc
			1 00	/27		
5:15	Airline to jackh.	5115	1,069	. CE	2.64	1.4
	broke	514-	1.038	220	.5/4	0.9
	Jack fell over a	6: 45	0118	17	.323	
	pinched line	7:00	.979 <b>-</b>	Z175	1.501	
	Shut off comp.	7:30 8:15	497	14	1.617 .480	<del></del>
6100	Break	0013	. 1917	/7	, 100	
We have been a second						
0:30	RESUME					
5:30	Saucut around col. pa	d<				
6:30	Hammer @ TSHWSA	bern u	sall			
7100	Cont. acts.					
7:30	Oreak				; 	
<b>O</b> <sub>C</sub>	RESUME					
8:15	Hole in MS					and the state of t
£145		1:30 BB	1-6f-5	12-		



UBJECT			PROJ. NO.	BY	DATE/ 6/26	SHEET
. BY _	; DATE	СН	ECKED BY		DATE	
				Mond Sunn 85° A		nid
1:30	BBL on site					
4:40	KEn P. (AAA) on sit		ck H. C	umpc)		
	- (4) R/Os for TSCI - Load & ~ 15 ton - CWM WILL pick up	A deb concre in AN	ris të/R/C l + drop	off n	, 3PM	
	Talk to Dick O'Conne - Show leaking pip - NMPC will addre	To the second se			bay	
5:00	BBL prep docs, + Eg	pt.	:			
5:30	Site Observations;  - TSCA concrete re and TSHWSA -  - Rest of TS concre  - (2) bern walls (1  - MS ~ 95% scar	staged EtE SO N+W) o	d in Ti	t puncl	hed	TO
	AAA Egpt: Cat TH83 Front Cat Bobcat # 246	- = = d 1	oxde-			
	Cat Bobcat # 246 Air compressor Road saw # 1573	1 JUN 100	Supply	s trick Truck	(1)/ poly	itank)
	DEMO Saw Jackhammer	4	:			



.BJECT		PROJ. NO.	BY	DATE 6/26	SHEET
. BY _	; DATE	CHECKED BY	;	DATE	
5145	Safety Meeting				
6:00	AAA demo concrete in	i	: :		
:	AAA clearing office s				
30	AAA begin demo of				
	- Begin @ NE corner - Punching holes in - Spraying ramihead	w/ Kam-hoo slab w/ 1+20			
2,45	AAA remove TSCA deb and place in 12/01 - 140 lined w/ 2 layers			ront en	d (dr)
0:50	AAA break - stop conc	poly crete demo			
1:10	AAA resume 75 Office	ce concrete	demo		
7:45	AAA break work act	Tvitles	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		:
3:10	AAA nesume work a  - Ken P. loading a  - Stan demo TS Off  - Steve wetting work	lebris into fice slab w	Iram-h	2_	
8130	AAA cont. work acti				
9:00	AAA break work ac	tivities	: :	:	
	- 12/01 (CWM. # 3039, 30 - 12/02 (CWM = 3053, 30 - 12/03 (CWM # 3025, 30 - TS Office slab > 11/2	cy ~ /3 fo	111 3	2 x 111 w/pol	y

ŧ



BJECT		PROJ. NO.	BY	DATE 6/26	SHEET
. BY	; DATE	CHECKED BY		DATE	
					:
1:40	AAA resume work	k tasks			
	- Stan demo TS O	Hice slab w/	Ram-h	oE	
	- KEN prep R/04 - Steve wetting con	icrete demo	w/H20		· · · · · · · · · · · · · · · · · · ·
2115	AAA cont. work		7		
0:40	AAA break work o				1 .
1:15					: :
	AAA resume work		0.00		
	- Stan + Steve - - Purched ~ 2/3 - Ken looding R/C	ot area	2) <del>17</del> 1 05		
1445	AAA stop punching		, i		·
2:00	AAA begin popping	'TSOff slab	w/Bok	cat t	forks
	- Start on NE con - Slab contains u	ner			
2210		Tanahara and a same and a same			
2:30	AAA FIII ROY(#.				
3:00	AAA removing concr TS Office Slab	$\Rightarrow TD$	olumns	and	
23:30	TS Office slab new	noved + place	d in 7	_\	
2930	AAA off site	<i>I</i> ; ;			
24:15	BBL off sife				
-1	NOC OII SUICE				

.



JBJÉCT		PROJ. NO. BY	DATE, SHEET 6/27
. BY _	: DATE	CHECKED BY	; DATE
			Tuesday Cloudy NBOOF
5:00	BBL on site		
	AAA on site  BBL prep docs + E	pt.	
	AAA placing poly /11	ners in R/Os	(4)
5:30	Talk of Barb Z (NMP) - Coordinate RIO	schedule	
	Talk w/ Ken P (AAA) - Want to take Vac + Poli	trick next weeky tank	$K \rightarrow Samp/\Xi$
5:45	Talk w/ Dick O'C. (NM) - MIKE Clark (NMPC)		
6100	Safety Meeting		
	BBZ begin ambient a for PLBs + Silica	ir monitoring ou	tside enclosure
	AAA repair enclosure	=, replace HEPA	a filters
	AAA Equipment:		CWM R/C 5
	-Same as 6/26, Mor	day	- 93H
			- #2403 -#3056 -#2414



SUBJECT			PROJ. NO.	BY	DATE 6/27	SHEET
S. BY	DATE	0.115	0455 84		<u></u>	
5. BY	; DATE	CHE	ECKED BY	·;	DATE	
: .						
	100 1 +- 0					
6:30	AAA sawcut TS O	ttice slo	ub along	oll pip	E line	
	AAA demo TS conc	, 5/ab 10	/Ram-1	NOE	:	
	AAA demo TS conc " #TSHWSA	t berm i	val/s			
1-2-00					77	
7:00	AAA pause work	activiti	es ->	0 =	1/ppm	
17:40	AAA E rEsume wor	k task	S			
: : :						
	- Sawcut around of Demo/remove To	Column S	pads tsca d	76		
	Demoji emove is	3 NON - 1	3(71 510	~0		
18:00	AAA remove concret	E @ 54	1 corner	of TSH	HUSA	
	11 11 11	a To	n.ct.		<u> </u>	
; ;		@ TS	OTTICE	> /r/7	0 / 1)	·
18: 30	Column pad @ NW - Expansion joint	Office s	lab irr	egular	shape	
Miles Address of the Albert of Secretaria and American						
	- 6" slab appears - AAA to saw cu	t come	poured	UP TO	Colum	
	71777 10 5000 00	1 20000	( 20/0////	, riesrici		
19500	AAA removing of	pipe fro	on belo	ow <i>sla</i>	<i>b</i>	
	- Removed Slab	on top	1600 1	/ < 01.7	-011	
Commence and the Commence of t	- Cut pipe @ S. e - No liquid inside - Cut pipe @ 20'	= dru	cow w	1 JUNE	Vac	= 0.0
	- Cut pipe @ 20'	sections		PIC	) > LE	C=0
i .	- Each section o - Cut + remove p	174, no	fluid.			
1	- Cut + remove p	DE 70 /	ow bay	COLUMN	ME_	
13:30	PAIA moving debais 1	from TD	into P/	O Ew/	FE loa	de-
19,45	APA removing small	11 13CA	debris	trom	/>	
201/5	AAA break for d	INCER.				:



JBJECT	·		PROJ. NO.	BY	DATE 6/27	SHEET
. BY	; DATE	CHE	CKED BY	.,,	DATE	. =
20145	AAA resume w	1 .				
	- Steve scarify - Stan moving 7 - Ken moving a	ling MS w 3 concrete debris from	/ hands debris TD to	R/O	r + 1 HE 1	04
1:30	AAA continué	work task	\$			
11:50	BBL collect M -> NM-MSFCR AAA brews wow	- VC1 → 3	tion co.	ncrete	zamp	(ES
S	AAA resume u  - Ken placing r  - Stan staging r  - Steve scaru	non-TSCA de	oris in	75		
7:45	AAA continue	work task	· · · · · · · · · · · · · · · · · · ·			:
<i>3</i> ;€0	AAA NESCIME O	verk task	S			
3:30	PAA stop wor	K activiti	ES			
	- Clean up + 1	ortak down	Egpt.			
37.45	AAA OCE 31+	E				
4:00	BBL off site	<i>-</i>	:			
				. !		<u> </u>



BJECT			PROJ. NO.	BY	DATE 6/27	SHEET
BY	; DATE	СН	ECKED BY			
MiniRan	2					
0.427	5:00					
	6:10					
0,318	7:45	4				
	9:15					
	9:45					
	10:45				-	
<u></u>						
	•.					
	-					<del></del>
						,
			, y - M <sub>Mass</sub>			
				,		



UBJECT			PRC	DJ. NO.		SHEET SHEET
. BY _	; DATE		CHECKE	ED BY	; D/	ATE
					Vedne In ICI 80° F	sday
4:30	AAA on site					
15:00	BBL on site  CWM on site  - P/U + hav  - Drop (4)  Silvarole H  - Drop (3) A	: (4) R/ R/Os	/	4 debr	(S	
	BBL discuss - AAA regu - BBL to co	10375 4	Iday		1	
15130	AAA place po	Suppli F/E Bol		Ja	er Compr ck ham emo Sau	mer
16:00	Safety Meetin	ng				
	AAA demo - Stan + St - Remove v	eve do	emo slad	o a Ge	nerato	
					1	



JBJECT		PROJ. NO.	BY	DATE 6/28	SHEET
6. BY; DATE	Ε	CHECKED BY	;	DATE	
					;
- Steve	arify in Mi = + hand he ying w/1+ze sler tough	ld scabbler 0 + Wet Vac	ww		
	(4) 12/05 debris ->				
- Stev - Stan	e scarify in demo 75 begin load	n MS	<i>≣b</i> ns		
- Appr - Rem	0x. 4'x8' Fo	rs near Ge coters' appeared anding slab -	r @ 50	borado	ج ا
12115 AAA br	Tak .				
8:45 AAA ne	same wor	k tusks			
- Star		t wall of ts Ided rebar	itusp		
zoico AAIA o	dinner bre	zak			
- Ken	sume work filling 1210 n demo TS	05			
					-



JBJECT		P.	ROJ. NO.	BY	DATE SHEET
BY	; DATE	CHECK	KED BY	;	DATE
Z15	AAA FIII (3) R - R/OS V 1/2 F	Os-Non	TSCA crete	debri	\$
230	AMA demo conc - Steve remove - Savout sections	rete sleek conc. by removing	pappin	0. LOW g W/Bo	bay bcat forks
'Z:00	AAA cont work	activitie	<b>3</b> 4		
·3:30	AAA brook + c	lean up			
3:95	AAA off site				



UBJECT		PROJ. NO.	ВҮ	DATE 6/29	SHEET
6. BY _	: DATE	CHECKED BY		; DATE	
				rsday Klouds F	<b>B</b>
5:00	BBL on site				
	AAH on site				
15:15	Barb Z (NMPC): 0.	nly Z R/Os tode	ay x	tomorro	265
15:30	BBL prep docs +	eypt.			:
5:40	Safety Meeting	7-			
	AAA begin acti	uties			
	w/jackhamore	nc near pipe tr r + Ken crete from Meter	<u> </u>		
	R/Os on site tod	lay:	AAA	Egpt.	
	EWI (463-0400) Malones (279-96	) - No ID# - 97) - No ID#		Ell Eyzo	) scabble
16:40	AAA break work	acts.			
16:55	AAA resume wo	rk tasks			
7:00	BBL collect soil - NM-TSOILEX	characterization - CS2 → 7	samp	les in	rs .
7:30	AAA continue w - Stan demo lou - Steve + Ken o	ork tasks			



JRJECT		PROJ. NO.	BY	DATE 6/29	SHEET
. BY	CH.	HECKED BY		DATE	
7:50	AAA break activities				
8:10	AAA resume work task	5			
8:30	AAA finish demo near  -6" slab demo'd up to  - Pipe trench still into			ge Noed	
3:45	AAA begin demo concrete  - Area of unsound conc  - Demo w/ jackhammer  - Remove down to Earth				
9145	AAA finish demo in MS  - Z" pipe @ N end  - Unsound concrete under		bank		
19:50	AAA scarify in MS - Bartell EYZO walk behi HEPA unit - Ken wetting area w/ 1		bler u	poutbo	and
20:15	AAA break pactivities				
20:30	AAA resume work				
2545	AAA dinner break				
21:30	AAA resume work act	ivities			



DATE  22:00 AAA break  22:20 AAA resume u  - Steve scarif  - Stan demo 4  - Ken loading  23:15 Ken load (2) R/  - Both R/O n  Stan + Steve cor	work tas	HEPA un Lebrus in	it, mis	
- Steve scarif - Stan demo 4 - Ken loading  Stan + Steve con	work tas y MS, H + place d debris fr	HEPA un Lebrus in	it, mis	
- Steve scarif - Stan demo 4 - Ken loading  Stan + Steve con	work tas y MS, H + place d debris fr	HEPA un Lebrus in	it, mis	
- Steve scarif - Stan demo 4 - Ken loading 3:15 Ken load (2) Pl - Both Plo n Stan + Steve con	y MS, I + place d debris fr	HEPA un Lebrus in	it, mis	1 ///>-
- Stan demo 4 - Ken loading 3:15 Ken load (2) Rl - Both Rlo n Stan + Steve con	+ place d debris fr	Ebris in	it, mis	1 ///
- Both R10 n Stan + Steve con		om 10	into 1	Bobcat
	10 w/non 1/z full	-TSCA a	lebris	
	nt. demo	) + rmv	TS 51	ab
3:45 AAA off site				
2:00 BBL off site				
	: :			
			: :	<u> </u>



ECT		PROJ. NO.	BY	DATE	SHEET	
		1 100. 110.		DATE 6/29	SHEET	
. BY	: DATE	CHECKED BY	;	DATE		
		PLD				
	NM - TSOILEX - CSZ	0.0	17:00	·		•
	3	0.2	10	· · · · · · · · · · · · · · · · · · ·		
	4	0.3	20			····
	5	0.0	30			
	. 6	. 6.2	40			
	7	0.2	50			
30	Finish area pipe trench			,		
	Begin demo in MS					
45	End " " "					
		=/1 EYZO				
130	Stan rmv column 6" pad					
45.	Dinner					
30	RESUME		**************************************			
	Ken load R/O, Stan demo low	, bay				
	, - , - , - , - , - , - , - , - , - , -	7		***		
				·		
			<u> </u>			

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neer: & scientists					
JBJECT	·	PROJ. NO.	BY	DATE	SHEET
BY; DATE	CHEC	CKED BY	<u>.</u>	DATE	1
6/30 Start	0,12		·,	DAIL	
M5:	<del></del>			1 ·	
- Soft conc. @Excavated	d - To 6	e rmyd			
- Small area scarified					
- Rmv garage area to ful	11 dont				
- This garage area, 10 101	11 clepin				
TS:			4	····································	
- Void near stairwell		1			
- Pipe trench/Garage area c		7.		·	
- 24" drain pipe remains	s				
- Col. pad near TSHWSA	→ broken	CORNER			
0/0					
12/03:					
		, <u></u>			g.,
	- 44				
MCI - Cat B Rpts					
Russ -> No					
Silvarole, Rick (716)	272-0	741 -	-> /+í	· Acr	ES
Hauler					
Ken P. off next wee	K				



JBJECT		PROJ. NO.	BY	DATE	SHEET
		L		6/30	
6. BY	: DATE	CHECKED BY		; DATE	
			Frid	ay:	
:			Suni		
			70 /5	, ,	
3:00	AAIA on site			:	
	R/0s;				i
					!!
	- (4) Haz -> Mode	El City	Empty		
	- (2) Non Haz -> , - (2) " " ->	HITCHES 1/2	Empty Full-&	t He	
					/
3120	AAA load concrete - (Z) R/Os (~1/2 full	debris (Non	r-TSCA),	nto R/	<u> </u>
	- Conc. debris sta	) Non Haz co	1/26	Rlos	
		<b>V</b>	V	, , , , , ,	
4:00	AAA cont. demo c	onccete in	173		
4:30	BBL on site				
		1			
	Observations:			11 11 11 11 11 11 11 11 11 11 11 11 11	
	- TS concrete der	od reasone	d 5 to 0,50	1 10 T)	`
	- TS concrete dem - Void under slab a	t wall near	stairue		
	- Column pad near	SW corner To	sitwsia k	proken(a	reba
	- MS area scarifi - Garage crea to		to Gill do	anH_	
	charage area 10	be removed		βίν	
5120	BBL talk w/ wast	te hauler		: :	
	- Rick Silvarole	(711) 777 -	0741		
	- Havi waste to				
	- P/U (4) R/Os, Dr		$\rightarrow Mon.$	7/3	
				:(	



JECT			,			PROJ. N	IO.	BY	DATE 6/30	SHEET
BY_		_, DATE _				CHECKED	BY		_; DATE	
				:						
130	AAF	t off	site		; ;	:			:	
00	BBL	prep	) San	rple	<u> =9</u> f	st. + :	supp	lies		
<i>3</i> 0									inples er bay	
00			4		•	aperw			- 1209	
130	BBL	pack	egpt	. 4 .	suppl	IES				
	BBL	off	site							
				The state of the s						
			2							



UBJECT		PROJ. NO.	ВУ	DATE 7/5	SHEET
S. BY	: DATE	CHECKED BY		; DATE	
			WE	dnesd	ay
The state of the s	·		Sun	ny	
	: :		80		<u>f</u> :
1:45 B	BL on site				
Ti00 Ti	alk w/ Barb Z (	NMPC):			
	- NM has exist. p	rofile for WW			
	-NM will get u from Adirondac	upes (6) (to sam	ple Va	ctruk	)
	- Silvarole Hay		4) Non	- Haz	R/Os
	" "	1Eft (2)		<i></i>	
5120 B	BL prep docs +	egpt.			
	ite Observation:	5:			
			1		
	- MS: Garage sla - Exposed co	b to be rmvd to to	ull dep	$\mathcal{H}_{1}$	:
	TS:	onduit & stab top			
		rmvd. near stairwe	=//		Annual Transfer Control of Contro
·	- 6" thick col	umn pad top remo	ved	1.0	
		nc. debris staged in	$\sim TO$		<del></del>
resolvati i resolvati i teoritori eti etikori yakete kanta kanta teoritori etikori.	- Pipe trench	rs to enclosure			······································
				1	
	AAA Egpt: Bo	bcat (P1659) E loader (P1614)	JUPP TH83	dy Truc	K
	Va	c Truk		·····	· •• • • •
(4	2) R/Os - Empty	1 - Non Haz	- !	·	



JBJECT		PROJ. NO.	BY	DATE SHEET
6. BY _	DATE	CHECKED BY	;	DATE
6100	AAA on site			
	- Keith Balbuena (rep	blace KEn P.) a	s Fore	man
	Safety Meeting			
	NMPC: Carl Væeglia	on site (rep	lace M	ike Clark)
16:15	BBL walk site w/AA	A(Keith) + dis	cuss Wo	rk tasks
	- Repair Enclosure			
:	- Rmv conc. debris - 643 area in MS →	Exposed conduction	+	
	- Rmv garage slab to	o full depth (n	,611)	
16:30	NMPL (Karl V.) repair	ring TD O/H di	oor	
	- Door does not open	<u> </u>		<u> </u>
	AAA placing poly in	R/05		
17:00	AAA removing non- TSC and placing in R/C		bris fre	m 70
	and placing in R/C	2		
17:25	AAA observe broken near MS/TS wall	pipe @ N. End (Elec. bank)	of TI	0/75
	- 12" p, clay pipe - Broken at connect - H20 @ ~ 4' bgs	ion of hon. + v	ert.	
184CC	AAA continue work	activities		



BUECT	, .	PROJ. NO.	BY	DATE/5	SHEET
. BY _	; DATE	CHECKED BY		DATE	
3:10	AAA transfer conc.	debris -> R/	105		
	- (z) R/Os ~ 1/2 Fu/	1			
3:45	BBC observe pipe near			door	
	- Mostly submerged, - Appears to be 12" g	s, clay pipe (hó	·,)		
9,20	AAA break for dinner				
0:30	AAA resume work	tasks			
2130	AAA cont. work				
7:30	AAA done for shif	+			:
The first control of the control of	AAA clean work an	<b>=</b> 0			
23:00	AAA off site				
	BBL off site				
			,		
					· · · · · · · · · · · · · · · · · · ·
					: :
The SORROR and Assessed Assess					
				<u></u>	

.



NECT			PROJ. NO.	BY	DATE 7/6	SHEET
. BY _	: DATE	CHE	ECKED BY		DATE	
				Thur	sday	
				75%	<i>C</i> '	
30	Site Meeting -			i		
	NYSDEC, NMPC, BR					
00	Mike Pickering or - Discuss projec		The second second	(BBI		
00	Pickering off si					
b	AAA crew on					
30	Safety Meeting AAA implement	<u> </u>	70.5 ks			
	- Constructing En - Placing non TSC	losure franc	En M	S R/O		
	AAA Egpt: E	obcat JE loader				
	V	actruck upply Truc				
	R/Os on site:					
	- (4) Haz - Mo. - (1) Non haz -	· · · · · · · · · · · · · · · · · · ·		npty npty full (	from 7	/5)
			12			+



SUECT		PROJ. NO.	BY	DATE/6 SHEET
BY _	; DATE	CHECKED BY	; [	DATE
,				
130	AAA cont. work tas			
	- R/O 1/2 full of no			
:00	BBL collect MS concre  - NM-MSFLR-VC4 + V		95	
00	AAA cont. remove soi	I from Meter	- 10w ba	y anea
:45	AAA dinner break			· · · · · · · · · · · · · · · · · · ·
):45	AAA resume work 9	tasks		
1130	AAA ronove 12" & co - Pipe is dry, no light - Pipe runs E/W all - Elbaus @ DNE. TD to ext. of	ong N. end of	15	) area wallels
	Notity NMPC of above		K to ne	move
7:30	AAA clean up			
:	- Conc. débris in T - Soil staged in Hil	Doay Near TD		
3:00	AAA off site		; ; ;	:
	BBL off site			



		PROJ. NO.	BY	DATE	SHEET
BY; DATE	CHE	CKED BY	· ;	DATE	
12" Soil rmvd @ N. En	id + pipe	trench		7/6/0	0
	, , , , , , , , , , , , , , , , , , ,				
Enclasure					
BBL collect samples					
/ 					



JUBJECT		PROJ. NO.	BY	DATE SHEET
. BY _	; DATE	CHECKED BY	;	DATE
				day /Ciouds o F
13:00	APA on site			
	(1) /z tull P/O from AAA egpt: Bobo	on site om 7/6 cat Loader 'y Truck	70	40 R/Os
14:00	AAA hand excavate area in MS	= soil from co	ncrete	rmvl.
14:30	AAA cont. removin	ig conc, debris	+ plac	E in R/O
15:00	BBL on site  Barb Z (NMPC)  - Silvarole may  1 R/O From 10  - WW P/V for N	ast XItE Norday 7/10 AM		= x P/U
16:00	- 4 R/Os sched.  BBL talk w/ AAA  - AAA to scarify - No charge for - BBL to fax A	A (MIKE PICKERI y addl. MS are addl. enclosure	a at ex (4 Man	ust. unit cost hours)



JBJECT		PROJ. NO.	BY	DATE SHEET 7/7
BY DATE	CI	HECKED BY	;	DATE
6130 AAA /2 f	11 (3) R/Os	w/ concr	ete d	ebris
	g stock piled			
•				
and stoc	ing soil from	bay (TS)		<b>/</b>
BIBL pepa	s for sampli	29		
AAI7 clear	up egpt +	site		
7:45 AAA Off	sife		:	
B3L colle	+ MS conc.	ver. sa	mple	
2:00 BBL off:				
			<u>:</u>	
		:	· ·	
		: :	:	
				:
				· · · · · · · · · · · · · · · · · · ·



JBJECT		PROJ	J. NO.	ВУ	DATE: 7/10	SHEET
<b>B</b> . BY	; DATE	CHECKE	D BY	;	DATE	
: ;				Mono	day	
				80° 1	7	:
4:45	BBL on site					:
	Speak w/ Barb - R/O from 1 - Schedule a - VacTruck V		ks	day		
5:00	BBL prep docs	+ Egpt.				
		lesure construction ipes exposed in mains ied @ N. End n ~ 1/z TD	of T	3		
		Cat F/E 100 Cat Bobcat			33	



BJECT		PROJ. NO.	BY	DATE 7/10	SHEET
BY	; DATE	CHECKED BY	;	DATE	
0:00 F	AA on site				
6:30 A	Patety Meeting  AA excating soil in  AA loading Hazma				
A	AA placing poly in BL receive Soil Sam	R/Os			
7:15 BI	- Some samples w/1 - All soil will be a BL talk w/ Haz Mat		: 15CI	7 -was7	te
	- Colleen (Compliance BL talk w/ Barb Z	e): OK to hav	l TSCA	<i>50(1 →</i>	Model C
18:30 A	- OK to load (4) H AA fill (2) R/Os - A	azMat + (4) N Ha=Mat	lodel (	City R	2/05
19:00 A1	9A cont. work task	, < <u>S</u>			
	AA fill (2) Rfo-Cu AAA dinner break	un Model Cit	y : !		

İ



JBJECT					PROJ. NO.	BY	DATE	SHEET
6. BY	;	DATE		СН	ECKED BY _	;	DATE	
· :								
,		<del></del>					<u> </u>	:
20130	AAA	resume	- work	activi	Hes			:
	- 5ta	an rem	oving so	oil from	TS H	bay a	nea ->	TD
	1 1 1	1 : :				10		
1230	AAA	cont.	WORK	tasks				
7:30	AAA E	trans ven di	fer soll stribut	betwe	en R	Os 🕭 7	for	
13130	AAA	clear	υρ					
<b>3</b>	AAA	off.	sife					
24100	BBL	off	site					
	AAA	(  /3 -	1/2) fi	(8)	ROS	=	· · · · · · · · · · · · · · · · · · ·	
				(4)	HazM	at R/C	)s	
				(4)	CWM.	Model	City F	2/0s
							3	
					;			
								· · ·
	:							



JB. ECT			PROJ. NO.	ВУ	DATE	SHEET
. BY_	; DATE		CHECKED BY		; DATE	
				<u> </u>	vesday vnny 0° F	
4:30	AAA on site					:
5:00	BBL on site	· .				
	- Remove so. - De Con pad - Place solid	lids and set neo s in R/	place in our OTF O w/ TS	r F/E lo CA soil	pader	
6:00	Safety Meet. AAA Egpt:		ck,	Air Co	ompresso	0r
		Bobcat	ader +	Jack Scabl	Hamme	
	$R[0s: (4)]_{2}$	full (from	om 7/10)			. !
16:15	AAA demo fo					
	- Jackhamme AAA Excavat			from 7	73	
	- Ken loadi		oll in TS	5 -> TV	)	



JRJECT					PROJ. NO.	BY	7/11	SHEET
BY_	; C	ATE		CHE	CKED BY		; DATE	
:				!				
7:00	AAA L	oneak u	jork ac	twiti	ES			
7; 20	AAA ,	ASUME	work	task	<u> </u>			
	- Ken	loadin	g 7NO	RIO				
		demo						
	-Stan	EXC. 5	oil					
3:00	AAA E	oreak (	work	: L	,			
8:30	AAA 1	ESUME	work	task	5			
9:10	AAA	break						
19:30	AAA	NESUME	work	activ	tres			:
		r loading ve demi		<u>~</u>				
DilO	AAA E	oneak	for di	nner				
Z1:10	AAA i	esume	work	task.	S			
21:30	AAIA !	pegin so	carify	in M	S			
	- (Z) - Wc	HEPA Hing so	units i	in suk l area	o enclo w/HZ	SUNT		
24:50	AAA	break s	scarity					:
200	AAA	resine	scarif	<u>.</u>				
22:30 23:00	AAA	break	scarifi	1				
23:30	BBL	66	) te					



JBJECT	·	PROJ. NO.	BY DATE 7/12	SHEET
: BY _	; DATE	CHECKED BY	; DATE _	
			Wedneso Sunny 80°F	day
5:00 5:30	PAPA on site BBL on site NMPC + AAA disci	uss R/O sche	du/E	
6:00	Safety Meeting  AAA egpt: Vac Soppl  F/E Bob	Truck X y truck loader	Excavator	
P/C	(4) Full ( Estimate: (4) TSO (2) TV	from 7/11) CA soll → TS	+ ranip	
16:30	AAA demo footers  AAA lining R/Os ( BBL collect TS vo	w/ poly xZ lay	EAS	
17.00	AAA demo TD sla			



UBJECT			PROJ. NO.	BY	DATE/ 7/12	SHEET
. BY_	: DATE	CHEC	CKED BY	;	DATE	
:				;	, : !	:
7130	AAA break					
3,00	AAA resume work ac -Steve demo pipe -Stan demo TD si	Frenc		cut 7	D wa	
3540	AAA break	(4)	501/			
7:00	AAA resume work to. - Remove 12" clay pipe AAA break for dinne	Nor	g E, 5	ide of	7Δ	
95	AAA rESUME WORK actTD wall @ N.End - Column pad @ N.E.	>1011	thick	(See s	sketch	
1:15	AAA remove footers (a - While removing debr  Easily came loose	ris fr	em top, ere ren	, focto	<u>(</u> S	
.,,00	AAA notice meter box - Notify Chas (NMPC					
2:00 Z:30	AAA break AAA resume work to	sks				
3:00	AAA break/clean up	0	:			
95	AMA Off site					
3135	BBL off site					



JBJECT	PROJ. NO.	BY	DATE / 3	SHEET
; DATE	CHECKED BY	;	DATE	
		Thun Sunno 80°	· /	
5:00 BBL on site				
Talk w/ Jack H. (NMPC)  - (4) R/Os for Monday  TUES, + WED.  - OK for AAA to s	, will order	- 4x/d on pad	ay to,	OTF
5130 AAA on site				
● PAP Egpt: Bolo Cat Excavator (G F/E loader	Cat 311B) Hor	nosav 134 pre	ssure (	iusher
Vac Truck	Wa .	Compris		./
ROS: (4) Empty (Ha-	z Mat)			
JITE Observations  - Addl. MS area to be:  - Sawout + remove MS  - Remove MS cut out				
- TD walls + slab to be - Pipe trench " " - Broken meter box ve	maid@1	IE corn	er TS	
- Col. pad @ NE TD 1 - Elevation differentie	proken al@Genero	ator slo	طن	
Talk w/ Ken P. (AAA) - AHA to finish ren - Need 12 Plos after	noval work	6/6 1	UES. Mon/Tue	
		: :		-



UBJECT .	PROJ. NO.	BY	DATE, 7/13	SHEET
. BY; DATE	CHECKED BY		; DATE	
6615 Safety Meeting				
AAA set up & prex	o Egpt.			
7:00 ATAA demo + remove - Support pipes to - Remove walls, we - Earth bottom - Remove small sec	remain wichain alls extend down	n below	12"000	eve derpipe
- Cut + remove (2) 1 6:00 AAA begin scarify: - Wetting blade w/ - Collecting cut wa	cwer pipes @ st n MS HZO ater w/VacTru	fair wal	(→ Dry	,
- No visible dust  AAA demo TD wa	Is w/Ramhoe	t Excas	iator	
8:30 AAA break MSS	carify			
18:50 AAA resume MS	scarify			
17:00 KEN hand excovate	pipe french			
9:30 AMA break for din	ner			
10130 AAA resume work of  - Steve scarify in  - Standemo TD u  - Ken load debris	uMS valls			
21:00 PAR break MS	,			
		j		



JBJECT		PROJ. NO.	ВУ	DATE 7/13	SHEET
. BY _	; DATE	CHECKED BY		; DATE	
4130	191919 demo TD floor -Start at No. End -Demo concrete @ -West RR track	punch holes removed (N.	30 LF	)	
	- Slab is v 6" th - Remove RR ties - Creosote odor - PID = 0.1 VOC		ade		*
2.30	AAA continue work	c tasks			
23/00	Hole in West side of - HZO flowing into - Hole is v 6" Ø, - AAA plug w/ rag.	10 anea 5' below top	of a	end all	
2330	AAA breek work,	clean up		:	
<u> </u>	AAIA off site				



JBJECT		PROJ. NO.	BY	DATE / 19	SHEET
BY	; DATE CHE	CKED BY	;	DATE	
			Frida	14	
			80°	F	1
1:30	AAA on site			1	
	BBL on site  Jack H. (NMPC) out too	ay			
	Site Observations:				3
	- Add MS scorify = 75%  - MS cutout to be done  - Gange excavate 11 " 11				
	- TO walls removed - TO slab ~ 35% removes - HZO on bottom of TD ex	<b>~</b>			
	- No column pad @ Mid 7 - Small (N12") stain on wat - Pipe thench removed, Z	oipes sup	ported		
	R/Os - (4) Full (from 7/13 To be picked up M	10n 7/17			
	AAA Eapt: Vactruck F/E/ader - 7 Air Compressor		50	b Cat abbler = Vac	
	Excavator - C	at 311B		mo Sau	
(6/0C)	Safety Meeting				
		1			



KEN grading TS to 18" below FFE  7:15 AAA resume MS scarify  7:45 AAA resume MS scarify  8:30 Wind gust blows DH door Air Lock over  5:45 AAA repair OH door to lower  Notify NMPC (Chris + Mike Clark)	JBJECT		PROJ. NO.	BY DATE SHEET 7/14
AAA deno TD slab  - Excavator + bucket truing to pull up  RR tracks + concrete  - RR tracks will not come up  - Suggest using Ram how to demo concrete  5:45 AAA bretik scarify MS  AAA change Excavator bucket w/Ramhoe  1:00 AAA demo TD slab w/Ramhoe  KEN grading TS to 18" below FFE  7:15 AAA resume MS scarify  1:30 AAA demo TD slab w/Exc. + bucket  7:45 AAA resume MS scarify  8:30 Wind gust blows Olt door Air Lock over  8:45 AAA repair Off door to lower  - Notify NMPC (Chris + Mike Clarik)  9:40 Olt door down	BY -	; DATE	CHECKED BY	; DATE
- Exceloster + bucket truing to pull inp RR tracks + concrete - RR tracks will not come up - Suggest veing Ran hot to demo concrete  5:45 AAA break scarify MS  AAA change Excevater bucket w/Rimhoe  1:00 AAA demo TD slab w/ Ramhoe  Ken grading TS to 18" below FFE  7:15 AAA resume MS scarify  7:30 AAA break MS scarify  8:30 Wind gust blows DH door Air Lock over  5:45 AAA repair OH door to lower - Notify MMPC (Chris + Mike Clark).  9:40 OH door down	3:15	AAA scarify addl.	MS aneq	
AAA change Excavater bucket w/Romhoe  AAA change Excavater bucket w/Romhoe  TOO AAA domo TD slab w/Ramhoe  KEN grading TS to 18" below FFE  7:15 AAA resume MS scarify  7:30 AAA resume MS scarify  9:15 AAA resume MS scarify  8:30 Wind gust blows Olth door Air Lock over  8:45 AAA repair Ot door to lower		- Excavator + buc RR tracks + C - RR tracks will	ket trying to oncrete up	
KEN grading TS to 18" below FFE  7:15 AAA resume MS scarify  7:30 AAAA resume MS scarify  8:30 Wind gust blows DH door Air Lock over  8:45 AAA repair OH door to lower  Notify MMPK (Chris + Mike Clark)	5:45			
Ken grading TS to 18" below FFE  7:15 AAA resume MS scarify  7:30. AAA demo TD slab w/ Exc. + bucket  7:45 AAA resume MS scarify  8:16 AAA resume MS scarify  8:18 AAA repair OH door Air Lock over  8:195 AAA repair OH door to lower  -> Notify NMPC (Chris + Mike Clark)  19:40 O/H door down		AAA change Excava	ter bucket w/	RamhoE
7:15 APA resume MS scarify 7:30. APA break MS scarify 3:16 AAA resume MS scarify 8:30 Wind gust blows OH door Air Lock over 5:145 AAA repair OH door to lower  -> Notify NMPC (chris + Mike Clark) 19:140 OH door down	7:00			
7:45 APA break MS scarify  3:15 AAA resume MS scarify  8:30 Wind gust blows DH door Air Lock over  5:45 AAA repair OH door to lower  -> Notify NMPC (Chris + Mike Clark)  19:40 OH door down	12000			
8130 Wind gust blows Olthdoor Air Lock over  8145 AAA repair Off door to lower  Notify NMPC (Chris + Mike Clark)  19140 Olth door down  10:10 AAA off site				ACC I
8:45 AAA repair OH door to lower  -> Notify NMPC (Chris + Mike Clark)  19:40 OH door down  20:10 AAA off site	3115			E OVER
20:10 AAA off site				
	19:40			



CHECKED BY DATE  Minday  Sinfolduls  ROFF  NIMPL on site  AAA on site  NIMPL on site > Bob Connery (876-5348)  SIte Claservations:  Addl MS samification > 95%  Remove garage slab -> 33% (2" deep)  ZNO Scarty MS -> 0%  MS floor cutout +> 0%  H20 in TD (storm)  TD Walls rebar remove -> 0%  TD slab + carrent => 50%  Pipe Inench -> 90%  Oly door Arrack -> Down  4 to be reconstructed  No Laubay  Storm H20 @ SE OH door  Appears storm drain was removed during excavation  AAAA reconstructing Oly door Air Lock  AAAA Equipment: Vactrick Fle lander  Supply trick Encavator  Supply trick Encavator  Scalable - Methac  Scalable - Methac  Stogal Rely to  ROS: (\$) ZOCY Haz Mat - Empty	SUBJECT			PROJ. NO.	ВУ	DATE:	SHEET
Sin/Chils  80°F  15130 BBL ansite  AAA on site  NMPC on site + Bob Connery (876-534E)  Site Closervations:  Add MS savitication + 95%  Remain garage slab + 33% (Z'desp)  Z'M Scarty MS -> 0%  MS floor cutout +> 0%  HZO IN TO Istorm)  TD Walls rebar remove -> 0%  TD slab + **RR ravis -> 50%  Plus Trench -> 90%  12" of TS subgrade -> 90%  12" of TS subgrade -> 90%  Oly door Airlock -> Down  To be reconstructed  No. Lawbay -> Ary  Storm AZD @ SE Olytdoor  Appears storm draw was removed during excavation  AAAA reconstructing Olyt door Airlock  APAA equipment: Vactruck Fle karder  Supply truck Encavator  All Compressor Bob Cat  Scabbler/WetVac ISDO gal Blyte	CALCS. BY _	DATE	СНЕ	ECKED BY	:	DATE	
AAA on site NMPC on site + Bob Connery (876-5348)  Site Closervations:  Add! MS sairification + 95%  Remove garage slabs - 33% (2" deep)  ZNO Scarity MS - 0%  MS floor cutout + 0%  H20 in TO (storm)  TD Walls rebar remove - 0%  TD slab + + R ravis - 50%  Pipe Trench - 790%  12" of TS subgrade -> 90%  Oly door Airlack -> Down  4 To be reconstructed  No, Laubay - Ary Storm H20 & SE OH door  Appears storm dawn was removed during excavation  AAAA reconstructing Olyt door Airlack  AAAA equipment: Vactruck F/E leader  Supply truck Encavator  All Compressor Bob Cat  Scabbler/WetVac ISDO gal Rely to					Sun	Oculs	
Remain garage slah -> 3376 (2" deep)  ZNO Scarity MS -> 076  MS floor cutout -> 076  HZO in TD /Storm)  TD Walls rebar remove -> 076  TD slab tear RR ravis -> 5076  Pipe Trench -> 9090  12" of TS subgrade -> 9092  Old door Airlack -> Down  4 To be reconstructed  No, Lawbay -> Ary  Storm AZD @ SE Old door  Appears storm drain was removed during excavation  AAAA reconstructing old door Airlack  AAAA Equipment: Vactruck Fle leader  Supply truck Encavator  Air Compressor Bob Cat  Scabbler/WetVac ISDO gal Polyte	15130	AAA on site - Bo		=ry (870	5-534E		
Appears storm drain was removed during excavation  AAAA reconstructing Old door Air Lock  AAAA Equipment: Vactruck F/E leader  Supply truck Encavator  Air Compressor Bob Cat  Scabbler/WetVac 1500 gal 12/1/12		REMOVE garage slah  ZNO Scarify MS  MS floor cutout  HZO in TO (Storm)  TD Walls rebor remove to slab + RR rain  Pipe Trench  12" of TS subgrade  Old door Airlock  4 To be reconstructed	$\begin{array}{ccc}  & \rightarrow & 2 \\  & \rightarrow & \\  & \rightarrow & \\  & & \rightarrow \\  &$	07 07 07 076 507. 90% 90% Down	deap		
AAA Equipment: Vactruck F/E lander  Supply truck Encavator  Air Compressor Bob Cat  Scabbler/WetVac 1500 gal Pelyte		Appears storm drain	was remo	oved du	<b>)</b>	cavation	
(2) 30 Cy (1 + 11 / 1) (6) - Total		AAA Equipment:  Si A1  R/0s: (\$) 20 CY F  (2) 30 CY	Vactrus pply to r Compre cabbler,	-K rck =ssor /wetVac - Emp	ET Bo	ob Cat	

SUBJECT	PROJ. NO.	BY	DATE 7/17	SHEET
CALCS. BY; DATE	CHECKED BY	;	DATE	
16:00 Ken P. only AAA perso				
Ken constructing 0/4 d	or Airloc, it crew	k.		
16:30 Call AAA + leave me	ssage for	MIKE F	ICKEM	ng
17:00 BBL talk w/M. Pickening -> AAA crew member	(AAA)		7 Hr-	
- 1 Man sick/1 man - AAA needs to fini	late		!	
16:00 BBL + NMPC (Bob Conner - 4" & Iron pipe local - Appears to the be	Ed @ SE co	oner T	n pipe	
- Appears to flow in - Need to repair: N  - Bob will pass or  - Bob will check dug	MPC or A.	AA Vanee		۲)
Ψ	720 from 7	Δ (ρ)	o Vac	trick
	MS			
19:00 KEN removing HZO from	D -> VacTr	مريد		
19:30 Steve begin scarify M	5			
19:45 KEn Off load HZO (Vac	truck -> P	oly tan	k)	
Dicc AAA broak for dinner	•			

SUBJECT		PROJ. NO.	BY	DATE 7/17	SHEET
LCS. BY _	; DATE C	HECKED BY		DATE	
			:		
20:50	APA resume work tasks				
*	Bob Connery: AAA to no Spoke w/ Jim McName	eplace (	11 stor	n. Pipe	
	Ken demo TD slab w/R - Demo concrete near R - Cont. demo remaining			•	
21:30	APA cont. deno TD slat	The second section is the second section of the second section of the second section section is a second section of the second section			
22.00	AAA finish TN demo, be debris w/ F/E loader + Placing concrete debris in	Egin to v Forks R/O	EMCVE	Concr	ele .
22:30	PAA removing TD concret - Remove center section f - Rmv West section - Rmv East section				
23:30	(Z) R () s (30C4 + 20C4) (c)			2/0 005al	
2480	AAA Off SITE BBL "" NMPC ""				

EASAND BOUCH & LEE MICHER PROPERTY & SCIENTISTS

SUBJECT		PROJ. NO.	ВҮ	DATE/7//3	SHEET
CALCS. BY	: DATE CHE	CKED BY	;	DATE	
			TUESCI	lay	
		<del>- ;</del>	50n/C	Tolds/	Rain
		:		,	
14:30	BBL on site				
	Walk site to observe stor	on Acu	patte	Fras	
	May be storm flow coming	from o	A site	= (Brod	duay
	Parking lot slopes to East to flow into Haz. Area	+ Sou H	\ -> P	ppears	
· · · · · · · · · · · · · · · · · · ·					
	Trench drain in TD acces	s drive	vay -	Conne	ected
<b>T</b>	Prevent storm water from				
15.75	AAA on site	, ., , ., .,	9	- / //	
15:30					
	AAA work tasks:				
	- Remove garage shb > full	depth			
	- REMOVE Z ST MS Floor - REMOVE storm water from				
	- Rmv remaining TD walls + 1 - Rmv RR rails + ties	rebar			
	- Rmv TD subgrade				
	- Rmv pipe trench walls + c - Rmv 12" soil from TS Office	ion crete e ansa			1
	- Replace 4"\$ storm pipe (	~ 14' /Ency	H)		
16:00	Safety MEEting				

SUBJECT			PROJ. NO.	BY	DATE 7/18	SHEET
CS. BY	· ; DATE	СНЕ	CKED BY	<u>,                                    </u>	DATE	•
					,	
16:30 AAF	f (Stan) domo	TD bulkhe	ead wa	4		
AAI	A (Steve) scarif	y MS (A	ddl. area	a		
AP	A Equipment:	Vactor Supply In	cK kK		Louder	
		1900 and Poly	itank	Bobo	at	
		Par compress Jack hamn		Scalot	g torch	1.
	(10) - Tota					
	7' × 27' × 1' = '	$459 f^3 =$	17 CY	= 25	.5 tor	<u>)</u>
	ve collecting of					
17:45 AA	A break work	-tasks				
RR	rails cut into	v 301 ≤€C	fions	-		
18:15 AA	A resume war Ken removing 12		75 off	ice ar	Ea	
130 BBL MM -	- collect concr - MSFLIZ - VCT (lect from add	ete verific	ation sa			5
	+ + + + + + + + + + + + + + + + + + + +	<del>-   -   -   -   -   -   -   -   -   -  </del>	<del>   </del>			+

SUBJECT		PROJ. NO.	BY	DATE 7//8	SHEET
CS. BY _	: DATE CH	ECKED BY		DATE	
			:		
19:00	AAA brook work tasks	<u>:</u>			
19130	PPP PSUME WORK OCTIVETO - Steve rescarify MS	(G.S.			
	- Stan off site to obtain - Ken cutting RR rails to	4" storm 9+ 12/0.s	drain y	OPE	
20 度; 00	Steve break scarify @MS	<u> </u>			
20:15	Stan begin remove TD wall-Mix debris w/standing HZ	debris	ng 5/0/	2	
20,30	AAA remove HZO in TD W/U	lactruck	•		
115	AAA dinner break				
22100	AAA resume work task - Stan remove debris from - Need to remove H2C - Stan place debris back - Vactruck @ TD removing - Steve scarify MS - Ken move soil from TS	in TO HZO		71)	
22145	Steve finish rescarify in 1 Offload Vactorick HZD into Ken loading R/Os w/TDd	1,100 ga	l. poly 1	ank	
23:30	Ken repair 4" & storm	drain			
000	AAA Off SITE BBL 11 4 NMPC " 4				



SUBJECT		PROJ. NO.	BY	DATE 7/19	SHEET
CS. BY	; DATE	CHECKED BY		DATE	
				dnesd n/l/ou	
14:30	BBL on site			:	
:	Talk w/ Jack Holleran ( - Stormwater in TD - Will call for fluid		itive t	ar PCA	35 2
15:00	Work Tasks to be per-	formed Si	te Obsi	=rvatio	<u>داح</u>
	- Clean MS area V  - MS cutout area V  - Garage slab removal  - Rehang wires over T  - Remove HZO @ TD  - Filhers on AEPA un  - Repair 4" & storm du  - 12mv TD walls repair  - 12mv Dipe trench u  - Stabilize TD soil v  AAA on site	Daria V V it V rain			
	RJOs: 11) 20 C4 - Full 1	from 7/18)	Excar	looder	
	(1) 30 CY - 11 5(1) 20 CY - Emp 3(1) 30 CY - Emp	ty //			

SUBJECT	,		PROJ. NO.	BY	DATE 7//9	SHEET
LCS. BY _	: DATE	CHE	CKED BY		DATE	
图/6:00	Safety MEEting					4
	BBL discuss work	- toisks i	JAAA			
[6:30	Stan working on 4 Steve cleaning up Ken bring VacTruc.	" drain pi MS ared k to T.O 1	pe 2 0 izmou	ie HZ	5	
17:00	Perform flow tes Both East + West 4	:			·	
	AAA probing + exce Excavate 12"-24"- Vac Truck removing				outle parent	et outlet
[8:00	Continue removing Steve finish clear Some areas mor					
16:30	AAA begin remover	ing HZO	from Ti		+ +0 M	5
19:00	Trial batch of we - Chem-Cal Hyd	t soil + i trated Lin 1.75 CY bu bucket of eaction	Ime ne cket wets	z//		
14:30	AAA cont. concre	TE remov	al m	45 G	avage a	rinsa

SUBJECT				<del> </del>		PRO	J. NO.	ВУ	DATE 7/19	SHEET
CS. BY	:	DATE			(	CHECKE	D BY		: DATE	
							**************************************	:	: :	:
21:00	AMA 6	reak	for	dini	ner					
21:00	AAA res									
	- Trans								<i>T</i> )	
21:30	Steve									
	- Sawc	ove o	le lor	neter	y ha	d	725 <u>5</u>	ECTIO		
22100	Ken ti	anst	Z/ :	soil	from	X	10	R/OS	<u> </u>	
	- Soi - Fi	$\frac{1}{11}$ $\frac{1}{2}$	57 E	10s	or we	ΣT, /	VO Fre	<i>₹₹ //</i>	guid	
2;00	AAA	broak	wo	rk a	ctivi	hies				
23:30	AAA BBL	off "	site	<u> </u>		: :				
	NMPC	li	11							
				7						
			1							
				: 1		:				
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
			n or other management of the state of the st							
			17 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		7,100					

EL-S.-Y.D. BOUCK & LEE INC. engineers & scientists

SUBJEÇT	PROJ. NO.	BY	DATE 7/2-0	SHEET
CS. BY; DATE	CHECKED BY		DATE	
		Thur Sunn 750 P		
15:00 BBL on site				
Site Observations:  - Enclosure to be repaire  - MS area scarified  - Garage slab removed  - MS concrete floor 2 sf a  - TD walls removed  - HZD in TD > No, end  - Pipe trench walls to be  - Stabilized soil @ So, er  - West 4" storm drain cappe	rea removed  introved  and TD	ed		795
15130 AAA on site				
$2/05$ ; (3) $30 \text{ Cy} - F_0$ (1) $20 \text{ Cy} - F_0$ (1) $30 \text{ Cy} - F_0$ (5) $20 \text{ Cy} - F_0$	npty npty			
AAA Egpt: VacTruk		F/E loa Excava		
Air Compresso Poly tank		Bob Ca Demo s Scabb	t aw	
16100 Satety Meeting				
on TD area to stability		ine to	500/	

SUBJECT	· · · · · · · · · · · · · · · · · · ·	PROJ. NO.	BY	DATE 7/20	SHEET
CS. BY	: DATE CH	ECKED BY		: DATE	
					-
16130	AAA begin remove pipe to Ken clean up outside TD	ench wo	us neq		
17:00	Ken begin moving soil from	\ /D =	R/0.	5	
19:30	BBL collect soil verificat	701 50n	ples	+ concre NM-Msf	ste Ve
19:00	Ken continue fill Rios w/ Steve + Stan finish remove	TD soil	rench .	walls	
19:30	Kon fill (2) R/Os w/TD s	i i			
19:00	AAA installing collection - Excavated area 2'-3' - Place sump pump in 5.	sump @ deep 5 gal, d	ose c	orner 7 n Excau	rs vatum
20:00	Ken cont. fell R/O w/ TD	so(∫			: :
20:30	AAA dinner Greak				
Z1 130	AAA resume work tasks - Ken repairing Enclosur - Stan grading No. Lowbo - Steve removing soil (2)	y of T	S D wal	/	
22:30	Ken placing TD soil in R	10			
23:00	Steve cutting TD wall no Stan Ken Oleanup	Elac			
1.00	AAA off site BBC 11 11 NMPC 11 4				

) DIAZ/	. 914 7	10 / 01 FOU	rapow am	25 —
	7-10-1-1	excavator	3013590	
701		DECOL DAD		
	Terrond	15pm =10W=		91 -
Jayson anseard	hstst/ /w		7 7 20 20	444
OTF + conc. pad	44du	a - 60 00	2 (2)	₩ X 101
an sursearch heart	// ^_	1 - 67 02 20 CA - H		50/J
506 Cat		Poly track	7	
F/E lader		VacTruck	: Idoa	HHH 90:21
_/ »_SZ				
Friday Sun /L'houds				
BY DATE SHEET SHEET DATE	HECKED BA	O	DATE	SORPECT SUBSECT



SUBJECT		PROJ. NO.	BY	DATE: SHEET 7/2/
LCS. BY	; DATE	CHECKED BY	<u> </u>	; DATE
And the state of t				
12:30	AAA set up Decor	- pad on ground near	- CTF	· cene, pad
	AA17 remove rema - Use shovel to so - Clean remaining - Place decon mo	anta w/HZC		
/3:(ù	BBL talk w/ AAA stermwater da	re: setting up	) sund	bags for
	BBL discuss storm u/ Jack H. (N - Diversion dan ( - Dan + poly @)	MPC)		
[3:30]	AAA off site			
14:30	BBL contact Bcb - Review dam p - Can NMPC co - NMPC to obta TD area	lan sand bags	?	yes H
16:CO	BBL off site			



SUBJECT		PROJ. NO.	BY	DATE	SHEET
LCS. BY	: DATE	CHECKED BY	;	DATE	· · · · · · · · · · · · · · · · · · ·
14	4.117				<b>.</b>
10-	AAAA on site				
	DECon Excavator				
15 -	Load Egpt.				
12-	BBL on site				
, ~~	AAA recken Excavator				
30	AHH OFF SIE			na e nastra	CORRECT TO THE ARL THE TOTAL THE TOT
	BBL row sterm plan w/ Jac			,	
23c	BBL contact Bob (Facilities)		·		
	" no storm plan w/ Bok				
315	NMPC will obtain and place.	sand bags			
					,
-					
					- Total Manual,



SUBJECT		PROJ. NO.	ВУ	DATE SHEET 7/25
LCS. BY; DA	ATE CH	ECKED BY	;	DATE
			Tueso Sunn 80° F	day
10:00 BBL on				
10130 Speak W/	Ron S. (NMPC) rei plans cutting rebai C 1550ES H.W. P. H	Hot W - w/ ton o AAA	ork Pe	rmit (HWP)
Troy Sand	Jim McName (NM)  dule facility personn  d + Gravel drop said  Type "F"/Crushe	el for $1$	N. Add	material
	apt: VacTruck ( Z) Supply truck Phisgure wa Excavator (De	(empty) Sher	(Z) Poly F/E ( EvHin Bob)	atorch
P/Cs:	(Z) ZO CY HazN  on site Early todo  AAA Vactruck + pol	y to of	pty Fload	Fluids
		y tarks yesterd today		5
Safety	Meeting			



SUBJECT		PROJ. NO.	ВУ	DATE SHEET 7/25
.CS. BY _	; DATE	CHECKED BY		DATE
10:45	Site Observations:			
	_015			
	-MS area 1 to be rescar	itied		
	- 1+20 in TD - Concrete @ Condensate +	he rocket	/	
Co. Section 1	- Temp. sump system @ 5			
	- No apparent rain over			
	- Clean up TD wall namou	nl anas	1	
	- Approx. Z41" soil rmvd fro	m sector	13	
The state of the s				
11:00	AAA begin removing HZC	From TI	)	
	- Bmy 1770 From So Find	first		
	Steve begin cutting relar	9 TD wall	W/cutt	ing torch
30	Troy Sand & Gravel drop	load of c	rusher	run stone
17:00			77	
17:3D	AAA continue removing &	CO trom	440	
13:00	Tray Sand drop load of cr	1) a   K.   a	e-f-	
	may sunce arep isaa or a	osner ron	31070	
12:30	AAA cont. remove HZO	from Th	)	
13:45	AAA finish " "	11 11		
14:00		€ @ So. €1	nd of	70
	- Place 125 length of +	A	1 1 1	ction
	- " (Z) (Z) wide fabric	w/overla	$a_0$	
	Steve finish gutting TD wa	ill robac		
14:30	AAA place NG" stone on	top of tak	ric a	So. 7.D
15:100	AAA drive F/E loader e		stone	= 10
	remove soil from mo	ale ot	4	
	- Rmv soil + place in			
	BBL verify 12" soil re	moval in	1	
	- Hang string from colu			nad
	- Take measurements		1	pad 18" to grade
	THE MEAN EMENTS	(0)(9)	9-7-	is grace



SUBJECT		PROJ. NO.	BY	DATE 7/25	SHEET
LCS. BY_	; DATE CHE	CKED BY	;	DATE	
					THE STREET, ST.
6:00	Ton Lawton (MPC Facilities)	on site			
1.12	AAA remove saturated soil	,	id T	<b>D</b>	
6:30	AAA place 16" stone at m Stone appears to have abs		anound	donte	
	and is unstable to wal	Kon			7.
7:15	AAA fill (2) ROS W/T				
)i 00	AAA dean up work sit	(4)			
	- Leave blowers on at a - Stage egpt & mat 1s	night			
3:30	AAA Off site				
7:00	BBL off site				
					And the second s



SUBJECT		,	PROJ. NO.	ВУ	DATE SHE	ET
CS. BY	; DATE	CHE	CKED BY	;	DATE	
				Jedne Jouds/ 15° F		
14:30	BBL on site					
	Talk w/ Jim Ma - NMPC Facilis	ty person	w/// bc			
	Talk w/ Jack H - Survey Red - (2) 12/05 m	gest form	has be	en su	bonitted	1
	Site Cheenat					
	- HZO IN TO - TD So. End: ( - (Z) pipes @	area No.	end, nl	deep	0	
	- Concrete res - Temp sump a - Decom pad a	roucal riegr	100 1010 1.30	463451	CIA	
	HAH Egpt;	Supply True		Bobcat	ader	
		Pressure was Scabbler	ner (	<u>~) pou</u>	y tanks	
	RIOS; (Z) 20 ( (I) 30 (	CY - Fuil - CY - Empty	- /taz/ - Noi	1 / 1	Z-	
llbico _	Safety Meeting					



SUBJECT		PROJ. NO.	BY	DATE 7/26	SHEET
CS. BY _	; DATE CH	HECKED BY	;	DATE	
16:20	AAA begin Delan activity	SE corne			
	- De-con pad outside TS - 2 layers poly sver we - Clean egpt, w/ pressur	od bern	٤		
	AAA begin scarify in M Steve run scabbler ove	S No an	7(2)		
16:0			The state of the s		
16:50	AAA coase scarify in MS		· · · · · · · · · · · · · · · · · · ·		
17100	AAA decon Bobcat				
	Steve capping pipes @ r - Z" pipe & East stairme - (2) 2" pipes in pipe to	emoval p	cerim	cter	
	- (2) 2" pipes in pipe to	rench			
17:30	AAA decon P/E loader				
18:00	Steve cap pipes + wall				
	- 12" clay bide a DIH do	or /1 /		5 4	(2) 11
		<b>/</b>	Cent 18	50016	741/1
18130	BBL collect MS concrete	sample			
19,00	AAA DECON Vactruck	, ,,,			
	- Approx 8" = ludge on 1 - Offload sludge to FI	E loader	- bucke	7	
	- Stabilize sludge w/ C				
	0,11000 1770				



SUBJECT		PROJ. NO.	ВУ	DATE 7/26	SHEET
LCS. BY _	; DATE CH	ECKED BY	;	DATE	
20;30	AAA docon VacTruck	c <u> </u>			
	- Pressint wash inside of - Collect WW at sump - Pump WW into poly to		r paa		
21:00	AAA break down decon - Place decon pad + mat	pad Is in R	10 w/1	C/E /0a	der.
21:30	AAA clean debris on gr	ound ner	ar Dec	ion an	a
3400	Steve clean concrete du.  AAA load egpt, and mat Is a				
	AAA clean up outside	7777	7,00		
23:00	AAA OHSITE				
	BBL off site				
	AAA generate 12,000 4> HZO	gal. was	te wa	ter	



SUBJECT	. <del></del>		<del></del>		PPO L NIC	DV	DATE	QUEET
JOURECI					PROJ. NO.	BY	8/14	SHEET
CS. BY	; D/	ATE		CHE	CKED BY	;	1-7. /	<u> </u>
				! '				
						Mono	day	
						Gov	dy/Ra	
						v 70	° F	:
10:00	BBL on	site	,	A SAMANA MANA			The state of the s	
							And Assessing to the As	
	ATAM on	site	to version				the manufacture and the ma	
						h h 1/1	Cat	
	HHH Egp	t: 1500	ogpoly	tank	_	Koller		236
		/600	9 "		<b>1</b> -0	Load	411-1	H83
		Exco		- PIG	,08			
		Supp Vac	sly truck	CK				
		Vac	TOOK					
	RIDS	(1) Nor	Haz	30 C	V E	moty		
	700		7.90					
		(2) Ita	= Mat	200	CY			
		(1) Np	1PC	200	4 1/2	- 70/1		
				•				
	Satety	Meetin	9		1 11 00			
			1		1.111-41-1111			
	SITE	servat	ion5					
	MS so	arified	4 //6-				i i	
		blanket			7/			
	1/1	" shr	10K 26	From	No. Er	1d/ n/2	" from	SINES
	ii		dark br				7,07,1	
	H20	covers	entire	TDO	Irea =	50. → N	o. End	S
		es a frer						
	5011	dryin	75	/	(			
	HEP	A units	ON					
	TEMP	sump a	SE con	ハモイ	disas	semble	d	
	DIVER	310m da	mas HO	NA	ENCE '	+ 70 p	IH doo	+
	Encle	25UNE UC	a inte	Frior	Dow	in a ext	Erior	



SUBJECT	•	PROJ. NO.	ВУ	DATE 8/14	SHEET
.CS. BY	; DATE	CHECKED BY		DATE	
/1:00	AAA unload mat/15:				
	(3) rolls Geotex + H20 pump + huse				
	Perf 55g, drum + (3) rolls poly sheet	hand tools	5		
		$\mathcal{J}$			
	Stan (AAA) work on De - Moving No. 2 stone +3	sand to mak	ie ben	n (n Z	(high)
	- Grading pad area - Pad area ~ 20' x 3	30'			
30	Baker Tank on site	= - Clean, c	dry ins	ide	
	AAA place geotex fau	over geote	x fabr	ić	
12:00	Baker Tank staged @ u				
12:20	Baker carrier off si				
12:30	AAA WELD SEAM of - Paint both sides w	I rubber con	rtactic	EMEN	
	- Press sheets togeth - Weld seam up over		ENTIFE	SEam	
13:00	AAA break for lunch				
200	AAA resume work ac	11111/63			
	a-				



	ists	engineers & scientis
PROJ. NO. BY DATE SHEET		SUBJECT
CHECKED BY; DATE	; DATE	.cs. by _
system in TD	AAA set up pump	14:15
w/ geotex fabric  No. end ~ deep	- Wrap perf. drum	
to flex pipe in pert drum	- HZO pump conne - HZO pump -> 3"	
n perf. drum wrapped w/geotex.		<i>a</i> , , , , , , , , , , , , , , , , , ,
emp sump system ow only from West pipe under west pipe,	- Slight rain -> +	14:45
under east pipe	- System pumping	
(NMPC) 2/03 for Thur (8/17) 11 11 Fri (8/18)	Talk w/ Barb Z - Barb order (Z) " (3)	15:00
a into Baker tank	- HZO not flowing	15:30
= to obtain NEW HZD pump	- Pump not powe AAA (Ken) off si	15:45
	Temp sump system -Ramina: Flow to	j6:30
(E)	Ken back on s - Obtained cer	<b>)</b> 45
ritical pump	- Obtained cer	



SUBJECT								F	PROJ. NO.			BY			DATE 8/1 <b>6</b> 4			SHEET						
S. BY		;	DAT	E							С	HEC	KEI	D BY					_;	DA	ΓE .			
.											Appendix and handstrates											1		
17:00	AA.	A	SE	+ 0	مر <i>ا</i>	Ne	Ξu	)	ρι	m	$\rho$													
	1		)	]	J					ļ														
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17:45	Gra	200	76	AK	17)	/	E	Fi	1	`	w	H	1	Eq	U	pr	ne	77	+				and the state of t	
		,,	2/31		_	<u> </u>		<u> </u>											Topographic and the state of th				-	
	200 T	B	ouck		· Le		1	oa	d.	A	ΙĮ													
18:00	AF	A	of	7	sit	<b></b>	an transfer on the state of the								TATAL DESIGNATION OF THE PERSON OF THE PERSO								311 000	
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		Marriago Campio																						
					The second secon						***************************************											W. A. H.		
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		- 1							<u> </u>		***			;										



SUBJECT		PROJ. NO.	BY DATE 8/15	SHEET
CS. BY	DATE	CHECKED BY _	; DATE	
			Tuesday Cloudy/Su ~70° F	n
6:00	BBL on site			
	AAA Egpt:	HZO pump system Baker tank Excavator Load All	1,400 gal. pol 1,000 g. pol Vac truck Itotsy press	ly tank
	P/O5: (1) (Z)	5 Ton roller 30 CY Empty Non 20 CY Full Haz		
	Safety Meet, Site Observat			
	- Temp sump - Dewater pag - Baker tank	p system set in 7 system set @ SE constructed between set @ OTA	conc.pad+C	TF
06:20	X CBII covered AAA begin ro - Pumping HZ	w/poly mat moving HZO from 1 into Bakertank	<i>T</i> .D	
07:∞ Dashed	- Stage near - Dell grades - To be use	el drop 22 ton of gate @ parking los to, round, ~/" stone d for middle 6" lis er 3" washed stor	4 5 4+	



AAA Troy	Con						CI	HECKE	DBY_		:	_; DA	TE	1
Troy	the district	+.	ren								: 1			
Troy	the district	+.	ren					. <u> </u>	1	<u> </u>				<del> </del>
Troy	the district	+.	ren		1									
Troy	the district	-	1 En			47	<u> </u>	<u></u>	7	<b>N</b>				
Troy		! !		nov	ا ع		4 4	170x 9,5	n /	$D_{\perp}$			<del>                                     </del>	
	Sand	4 0	Gra	vel	di	OP	Z	5 tor	<i>of</i>		_ 3		ston	E
- 6	Vasho	=d,	2"	<u>- 3 '</u>	ی "	tone	=	······						
7	SG	$\omega dl$	de		Er	2	/3	mo	re 1	oaa	5			
Talk	$\omega$ /	MC	17			-			To the state of th					
														177.0
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	Volpor	201				2 1 6 1	J	:						
AAP	me	stal	1 2	ZNO	50	mp	p	ump	m	て、	Δ			
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	Tran	sfe	r /	. / I	th	lan	FU	11 .	buck	et				
TC/				11		1	1	/	1, 1,	/211	1 -	<del> </del>		
100	gar	P	ano	ME	F	10a	<u>a</u>	9 F	4-3	(3"	) 5	ton		
Most	sur	fac	٥	1420		TEM	200	ed	fro	n	1			
						-		:						
AAF	$\sim$ $\iota$	1	4	1 1		1 :			1 :	0+	T.	<b>Σ</b>		
	riace	1	12"	_//	77	<b>Ø</b> V(	EY	425	The same of the sa		:			-
AAF	Tora	ler	ma	100	la	rae	5	fo ne						
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	DEG!	7/	- N	DVE		ale	ya	y SA	501	171	ON	7711	7 7	<u> </u>
AND THE PARTY OF T	Talk  AAA  TSG  Most  AAA  AAA  AAA  AAA  AAA  AAA  AAA	Talk w/  AAA cor  - (NG'  - Satu  - Vapor  AAA ber  - Place  - Cover  - Tran  TSG dra  Most sur  AAA place  AAA bra  AAA bra	- Washed, - TSG will  Talk w/ MC  AAA cont. r - (~6"-8" - Saturate - Vapor bl  AAA begin - Place po - Cover c - Transfe  TSG drop o  Most surfac  AAA place r  AAA order  AAA bring o	- Washed, Z'I - TSG will de  Talk w/ MCJ  AAA cont. rem - (N6"-8") A - Saturated - Vapor blank  AAA begin rem - Place poly - Cover CB - Transfer  TSG drop and  Most surface  AAA place land - Place x12"  AAA order ma  AAA bring exce	- Washed, 2"-3" - 75G will delive  Talk w/ MCJ  AAA cont. remove — (~6"-8") HZO — Saturated soil — Vapor blanket  AAA begin remove — Place poly on — Cover CB w/ i — Transfer less  TSG drop anothe  Most surface HZO  AAA place large — Place 1/2" /i  AAA order more  AAA order more	- Washed, 2"-3" s - TSG will deliver  Talk w/ MCJ  AAA cont. remove / - (N6"-8") HZO ve - Saturated soil v - Vapor blanket se  AAA begin remove Place poly on gro - Cover CB w/ pol - Transfer less th  TSG drop another  Most surface HZO  AAA place large sto - Place v/z" lift  AAA order more la  AAA order more la  AAA bring excavator	- Washed, 2"-3" stone - TSG will deliver Z,  Talk w/ MCJ  AAA cont. remove HZO - (N6"-8") HZO remove - Saturated soil visits - Vapor blanket settli  AAA install ZNA sump  AAA begin remove sat Place poly on ground - Cover CB w/ poly - Transfer less than  TSG drop another loa  Most surface HZO rem  AAA place large stone - Place v/2" // ft ove  AAA order more large  AAA order more large	- Washed, 2"-3" stone - TSG will deliver 2/3  Talk w/ MCJ  AAA cont. remove HZO to a consider of the content of	- Washed, 2"-3" stone - TSG will deliver 2/3 ma  Talk w/ MCJ  AAA cont. remove HZO from - (N6"-8") HZO removed - Saturated soil visible in Vapor blanket settling  AAA install ZNA sump pump  AAA begin remove sat. soil is - Place poly on ground @ TI - Cover CB w/ poly - Transfer less than full is  TSG drop another load of  Most surface HZO removed  AAA place large stone @ So Place x/Z" /iff over xZS  AAA order more large stone  AAA bring excavator over ste	- Washed, 2"-3" stone - TSG will deliver 2/3 more 1  Talk w/ MCJ  AAA cont. remove HZO from TD - (N6"-8") HZO removed - Saturated soil visible in some - Vapor blanket settling  AAA begin remove sat. soil from - Place poly on ground @ TD + - Cover CB w/ poly - Transfer less than full buck  TSG drop another load of L3  Most surface HZO removed from  AAA place large stone @ So. end - Place v12" lift over 25 LF  AAA order more large stone	- Washed, 2"-3" stone - TSG will deliver 2/3 more load  Talk w/ MCJ  AAA cont. remove HZO from TD - (N6"-8") HZO removed - Saturated soil visible in some a - Vapor blanket settling  AAA install ZNA sump pump in T.  AAA begin remove sat. soil from soil - Place poly on ground @ TD + Dew - Cover CB w/ poly - Transfer less than full bucket  TSG drap another load of L3 (3"  Most surface HZO removed from  AAA place large stone @ So. end of - Place v/z" lift over v25 LF  AAA order more large stone  AAA order more large stone	- Washed, 2"-3" stone - TSG will deliver Z/3 more loads  Talk w/ MCJ  AAA cont. remove HZO from TD - (N6"-8") HZO removed - Saturated soil visible in some area - Vapor blanket settling  AAA install ZNO sump pump in TD  AAA begin remove sat. soil from south - Place poly on ground @ TD + Dewate - Cover CB w/ poly - Transfer less than full bucket  TSG drop another load of L3 (3") s  Most surface HZO removed from TD  AAA place large stone @ So. end of T - Place v/z" lift over 25 LF  AAA order more large stone  AAA order more large stone @ So. end	- Washed, 2"-3" stone - TSG will deliver Z/3 more loads  Talk w/ MCJ  AAA cont. remove HZO from TD - (N6"-8") HZO removed - Saturated soil visible in some areas - Vapor blanket settling  AAA install ZNO sump pump in TD  AAA begin remove sat. soil from south en - Place poly on ground @ TD + Dewater p - Cover CB w/ poly - Transfer less than full bucket  TSG drop another load of L3 (3") stone  Most surface HZO removed from TD  AAA place large stone @ So. end of TD - Place v/Z" lift over 25 LF  AAA order more large stone @ So. end	- Washed, 2"-3" stone - TSG will deliver Z/3 more loads  Talk w/ MCJ  AAA cont. remove HZO from TD - (N6"-8") HZO removed - Saturated soil visible in some areas - Vapor blanket settling  AAA install ZNO sump pump in TD  AAA begin remove sat. soil from south end of - Place poly on ground @ TD + Dewater pad - Cover CB w/ poly - Transfer less than full bucket  TSG drop another load of L3 (3") stone  Most surface HZO removed from TD  AAA place large stone @ So. end of TD - Place v/Z" lift over v25 LF  AAA order more large stone @ So. end



SUBJECT		PROJ. NO.	BY	DATE/ 8/15	SHEET
LCS. BY_	; DATE	CHECKED BY		; DATE	
				,	
11:15	Remove saturated sol - Grab sat, soil & w	/excavator			
	- Transfer soil from - Trans, soil over po - Load All place soil	Exc. to Low	ad Ai	//	
11:30	75G drop load of	8"-12" stone			
11:50	AAA place 8"/12" s - Push sat. soil tow		7D) a	s base	
	AAA cont. remove	sat soil from	72		
30	AAA excavate sur	p @ No. End	of TL	5	illus in a second
13:00	AAA break for lun	ch			
14:00	AAA resume work a	ctivities			
14:15	Sump + pump placed - Drum bottom place - Large stone placed	d ~18" bgs		(=X ca ) (0	400
	- HZO surround drum - Pump blowing HZO	+ flowing into	drun	1	
15:00	AAA continue pumping	9 H20 From 7	Σ		
	AAA removing sat. soi	I from Mid T.	D		
16:00	AAA place load large	stone			
	- Continue removes	sat. 501/near /	No, Er	rd TI)	



SUBJECT	PROJ. NO.	BY	DATE S/15	SHEET
.CS. BY; DATE CHE	ECKED BY	;	DATE	
				# P
16:30 AAA remove sat, soil from	No. End	70		
-> Concrete slab @ No. End		Δ		
N/8" below former TD flo	SOV ELEVA	lion		
TD 8' Slab				
1-6'-	-			
●∞ AAA dewater No. end TD				
17:30 AAA place large stone @ 1 - Stone surrounds sump pun - Sump to remain overnite	Jo. End			
18:00 AAA begin clean up  - Remove poly from outside  - Clean up yard area  - Stage egpt. + matils.	ground	4		
M:30 AAA off site				
BBL off site				
Baker Tank - wy of HZO	N 8,000 C	jals.		
DeWater Pad > v 24' × 12' ×	3'			



engineers & scier	tists											· ···	y _														
SUBJECT							,	•								ſ	PROJ.	NO.			ВҮ		D/ <b>8</b>	STE   	6	SHE	ET .
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07:00	ß	R	الـ	C	<u>~</u>	_5	ıt	<u> </u>																			
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SUBJECT		PROJ. NO.	BY	8 16	SHEET
LCS. BY	; DATE CH	IECKED BY	;	DATE	
ò8:20	Satisty Meeting  BBL talk w/M. Jones (BB - Ruw discussion w/B. Hop.	(4)			
	- TD -> 4" slope over 70 - Will adjust collection sur	) '			
08140	BBL talk w/M Pickering - Ruw design parameters	of 7D:	subgra	de	
09:00	Survey TD ansa w/ Stan	(AAA)			100
10:00	Talk w/M. Jones (BBL) - Rrw TD design				
10:30	BBL rvw, TD subgrade +	final E	Evatic	ns w/	AAA
//:00	AAA markout control poi	nts @ 7			
11:30	AAA begin grading 12" sto	re in th			
12:00	AAA break for lunch				
12:30	BBL measure MHZ ELEV	ation			
	- CB12 6' STEEL PIPE INVE	rt > rim	= 34	,3"	
/3:00	AAA resume work tasks - Remove sump @ No. End - Begin excavate @ ends	7.D of pade	No. 7		
(3:30	- Medium coal far vapor - AAA fill ends of Slab w/	· 1/	⇒ 1.6	ppm VC	) <u></u>
•			oad		



SUBJECT		PROJ. NO.	BY	DATE SHEET
CS. BY	; DATE	CHECKED BY	;	DATE
14:30	AAA grade lan	ge stone		
15:00	AAA place poly	restex over large sto	nc=	
	- Place (1) 12'	wide Geotex dou " " down e up to anchor	in cer	ter
15:45		rum stone over E from So, and TD	100	
16:10	AAA begin grad -Set control po -Grade So	ling Medium stone inta TD entran	CC	
16520	AAA clean up	t break down		
16:40	AAA off site			
17100	BBL off site			



SUBJECT	PROJ. NO.	ВУ	DATE 3/17	SHEET
; DATE	CHECKED BY	· · ·	; DATE	
		Thur Sun 75°	sday	
67:00 BBL on site				
Site Observations:  - No visible H20 m TD  Large Stone, Geotex mi  - Medum stone to be a  - Poly sheeting, small ster  - Temp sump @ roof dra	maded, c	mpact	∉d 1∈d	
- Saturated soil to be de - Dewatered soil to be portuined in - Medium, small, crushed ru AAA Egpt; VacTruck	watered laced in i		m yarc	4
5 Ton rolle Pressone vas Baker Tan, 1,000 + 1,400 g.	her	Exca	vitor	
3) 20 CY M	Haz	Empt Empt	y	
07:45 AAA on site 08:00 Safefy Meeting Haz Mat Haulers on s	7/+=			
D - P/U (Z) 20 CY → Mod - Drop (Z)	5/ C,+y			



OS. BY; DATE	CHECKED BY	;	DATE	
8:00 AAA grading medium o	tone Q16			
8:00 AAA grading medium o	Ane Q16			
		1666	<del> </del>	
-Excavator bucket use		d + gr	ade st	ONE
- Work from So No. E. - Grade up to pad @ No				
8:30 AAA compact medicin	stone			
- 4 passes over entine - Start in middle → we	- TD area ce	5 ton	roller	Of the Action of
				The state of the s
- (1) sheet@ No end + (	(1) sheet @	So. En	4	and the state of t
- Overlap + 3' + trin				
A130 AAA place crusher run - Start at So. End	gravelo	n top	st pol	7
7:45 Talk W/MCJ:				
- Fed X dy E tablets	to NMPC	tomor	1000	1
- Add many tablets - Place liquid upstrea	n, wait ze	)-30/	ninute	\$,
be patient, wait a - Plenty of light nee	ded downs	trear		
0:00 AAA preparing crusher	run mate	rial	41.4	
- Mix I part crusher run	+ 1 part a	ashed	1" stor	+
Observation				
- Stone plant crushe - Field mix to be pla	r run pla	ced @	So. En	d
- I-IEIU MIX TO BE PL	acea (a) 140	rena		
		and the state of t		



SUBJECT			PROJ. NO.	ВУ	DATE 8/17	SHEET
CS. B	Y; DATE	CHE	CKED BY	;		l
10:15	HazMat driver	notices light	and dr	pping -	from K	2/05
	- (1)RO grate = 1d - Notify Barb Z. (	NMPC), Ken	P. (AAF			
	- Need to identif	drip pans	3			
11:00	- Small amount lu	ayer + exc	avate	chers		
	- Pull back Zx p - Absorb liquid w	aly liners	-> ~ 1/4°	119410	d on bo	Hom
	- Seal 'pint w/s - Place clean san	ilicone ca		+	1	
	- Relocate soil, ti	ghten hatc	h, & cove	r w/	tarp	
15	No apparent drip	s from bo	th RIC	25		
12:00	Haz Mat leave s	rite of R	10s			
	AAA break for	lunch			1	
13:00	AAA resime work	c tasks	A 10" 1	60-		
13:30	- Place crusher no				1.000-	
	AAA grade crushe					1/-
14700	AAA compact sma - Beginning passe	s w/roll=				//Er
		/	bratory			
15:00		pacting up			<u> </u>	
	AAA placing poly	illners ir	R/Os	-2 la	yers	
15130	AAA Excavate Gast	sdeof ear	st TD wa	c//->+	ormwo	rk



SUBJECT			PROJ. NO.	ВУ	DATE 8/17	SHEET
CS. BY	; DATE	CHE	ECKED BY	;	DATE	
15;30	APA begin placing & - Soil is moist, no	soil in R/o apparent	O from a free lig	deaste uid	rpad	
16:00	BBL MEasure MH - Outfall 12" clay - Bottom of MH-	$1-2$ $2 \rightarrow botto$	$ext \rightarrow r$ on of $6''p$	m = 3	38" 12) = 12	//
16:15	AAA fill R/O 1 w/ Stan off site to go			THE PARTY OF THE P	<b>)</b>	
<i>1</i> 71∞	AAA begin place of -RIOZ has Z l	ayers poli	y liner			
	Baker tank: N.  AAA load (Z) R  - Each R/O N			V 11, OOE	1901.)	
17:30	AAA clean up	work sit	<u>ن</u>			
/8÷00	AAA off site BBL off site					



SUBJECT		PROJ. NO.	BY	DATE 8/18	SHEET
CS. BY	; DATE CHE	ECKED BY	;	DATE	
			Fric	lay	
			70 0		
07:00	BBL on site				
	Site Observations:				
	- TD subgrade placed + c	ompacte			
	- MS area to be cleaned - Pipe trench " " "	prepe	ed		
	-TD codges to be compact -TD walls to be sloped	ted			
	- Dewater pad covered - Diversion dan to be can	structed	d		
	AAA Egpt. Vac Trucke 5 Ton Roller		Coad A Excavo		
	Baker tank Press washe				
	Poly tanks				
	R/Os; (1) 30 04 Non (3) 20 CY Haz	1 1 1	FUN		
08:00	Safet AAA on site				
	Safety Meeting				
	Haz Mat havers on so	FE			
09:30	(1) R/O 15 too heavy -> NOE	d to off	Fload 3	nme s	· <b>b</b> (/
	AAA transfer 4 beings	to other	F 12/0		



SUBJECT		PROJ. NO.	BY	DATE SHE	ΕT			
CS. BY_	; DATE	CHECKED BY	;	; DATE				
09:45	AAA begin compact TD		· .					
	AAA clear + prep TD u	Jalis						
10:30	NMPC notity BBL of o - Some NMPC employees	dors @ ups	stairs	cffice				
	- AAA WILL SEAL ENCLOSE - NMPC to notify BBL If	Ure KEED	air un	its runn	ing			
	AAA begin place deular - Soil saturated but i - RIO has ZX layers o	ter soil in	R/O					
	AAA excavate + prep p AAA remove temp, sum AAA reconstruct divers	ine trenc	hore		~			
11:30	ATAA reconstruct divers	ion dam/	D=(on	poly tar	rks			
12:00	AGG break down Deva - Placing 501) + pad mat - Dewater pad = Gerten	ter pad Erical into fabric + y	R/0 Dely + 1	ubher sh	EET			
13:00	AAA renove denover par - Bernwalls = crisher - Stage stone in pile	run stone						
13.40	Afifi place 3" stone be	hind sand	hags (	à water	-			
14:00	BBL perform dye tes	=ts (n 5 go	21. HZ	2				
-	- COSEVE MH-1: NO	" clear flu. Flow thre all amount	d at 6	often MiH				
		25 = C.C.						



SUBJECT		PROJ. NO.	ВУ	DATE SHEET
CS. BY _	; DATE C	HECKED BY		; DATE
<b>举约</b>	BBL pertarn dy test:	1	- 4-	
	- Install HZL hose and	3 gpm	obse	rveil
	- HZO flow u 5 mins, - Reconnect east + wes	t pipe i	ul teri	continues nco junt
14:30	AAA Ansh clean (Z) pol			
	PAA grading dewater joa - Removed pad & mat - Grade crusher rung t	d area	origin	al grade
V5100	AFIA clean up work are		9	
16:00	AAA OF SIJE			
17±C0	BBL off site			



SUBJECT												PROJ	. NO.		BY			B/Z	21	SHEE	ET
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15:15	BC	3L	on	51	تح <del>ا</del>												:				
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SUBJECT			PROJ. NO.	ВУ	DATE 8/21	SHEET .
CS. BY	; DATE	CHE	ECKED BY	;	DATE	
	Site Chservations (Co - TD subgrade compac					
	-TD wall surfaces clo -Poly placed over TD: - Wo. End + East SI - (Z) horizontal pipes (2) - placed in Haz TD South End - Dry	slipe de TDV	EXCUVAT	ion	1	
	- TD North " - MEI - PILE (~ ECY) Crusher 1 - PILE (~ ECY) Mcdium - (Z) Poly tanks clean, r	(3" Ear	) stone No. sid			
10:60	APAR CLEAR. 1815 Floor - Blow dust w/ air hos - Collect dust w/ ItE Sweep + brush floor - Fine layer of dust	PA V	acium	Floor		
16:30	AAA claan up work  AAA off site  To return next W					
17130	BBL off site					



engineers & scient	lsts					
SUBJECT			PROJ. NO.	ВУ	DATE 8/25	SHEET
.CS. BY	; DATE	СНЕ	ECKED BY	;	DATE	
02:00	BBL on site			Jedne Cloud 150K	sday ∫/Khi	7
	AAA Egpt; 57	Delen for Roller cavator ad All	(2)	KEIT H	tarks	
	R/Os on site:	(3) 30 (1) 30 C		taz nHaz	FULL Yzfu	77
	- Decon, Eapt G - 11) pile of crush - Diversion dam - Sand bogs & C	back go her run @ Parkir VH door (+	of E	ite		
	- Diversion dam - Sand bogs & C - (9) Air units - To ready for - Pipe therch re - MS area need	form work ady for dos dust	forms removed	from:	Por	
09:00	Sligo on site Safety Meeting					
7:50	Sligo prep work	area				



SUBJECT		PROJ. NO	).	BY	DATE	SHEET
					8/23	<u></u>
.CS. BY	; DATE	CHECKED B	Υ	;	DATE	
						:
10:00	Haz Mat on site +	= P/U C	3) /	2/05		
	Sligo setting relait	@ TD 1	Va 11			
	- No. 5 retain places	(w) cente	ro	t wall	G) 16"	c/c
	- Pour flor over wa	1 . 1		1 1 1		
	- FAE to match ex	14 " 1 1 1	CC-			
	1313L review shedule	US/ NAIP	C/1	Barb	Z.)	
					11	
	· Wed (8/23) - Prep 1 · Thu (8/24) - 11	Termwerl	(9)	70 W	015	100
	· Thu (8/24) - 11 · Fr, (8/25) - Pour T	7) 1.0//5		Dipe TI	anch f	7000
	· Mar. 12/28 - Remove	= formul	rK	DE 776		
	1 Tues (1/29) - Pour p		1 - 1	valls		100 mm m m m m m m m m m m m m m m m m m
		D collect	er.	5UMY		AND
	1 Thur (1/31) - Hr=p T					1
	Fr (9/1) Foor 1	U floor	A STATE OF THE STA			
1C:3c	AAA Egpt. offsite =	Excavato	-			and the state of t
	4 3 4	Load A	11			
	BBL perform air moi	nitoring &	7	D are	4	
	CO = I					
	VOC = 0.0					
	1725 = 0.0					
	LEC-0.0					
	$\mathcal{O}_2 = 21.0$				5	
72			7 //	//		
<b>3</b> 2	Slige cent. setting	Ebar (9)	1 2	wall		
	Sligo survey elevat	(075 W/	ase	rlow	ار ا	
		•				



SUBJECT			
	PROJ. NO	BY	DATE SHEET SHEET
S. BY; DATE	CHECKED BY	Υ	_; DATE
11930 Haz Mat off site w/	(3) R/0	)s	
12:30 Slige cont. prop work @	270		
13:00 Sligo to construct ledge	is for		g TD No. Enc
- Remaining concrete - Nord hon zontal sur			
- Form + pour concret - No. wall to be 16"	E ledge	€ @No.: forms)	side of No. wall
13:30 Sigo construct form for	· ledge	bean.	
- Fab form w/ 3" x 6".	studs		
Sligo pour ledger bear	n w/ne	ortar	
14130 Sligo ciean up work a	nsa		
15:00 Sligo off site			
16:00 BBL off site			



SUBJECT		PROJ. NO.	BY	DATE 8/24	SHEET
		<u>l</u>			
CS. BY	; DATE	CHECKED BY	;	DATE	·
			Thur	sday	
			Clou	ds /	
			75	) / <del>-</del>	
				1	
08:00	BBI IN ELE			a de la constante de la consta	
	BBL on site				
	Suge on sive				
	Sifety Mestin	g	A TOTAL CONTRACTOR		
		9	AND THE REAL PROPERTY OF THE P		
	HAH egpts (	2) Polytank Baker tank			
		Baker fank			
		5 fon Roller			
	R/03; (1) 3	OCY Non Haz	1/2 1	2/1	
	Site Observation	ons;		-	
		m @ back gate			
	(9) HIV Units	s running @ TS			
	- TD So, and	-> moist			
	- TO East way	11 - 1 Z1 HZD@a	tside		
		a) No- and TD			
	- TO wall rebo	ir anchor holes in	Place		
		<u> </u>			
00.0			<del>                                     </del>		
08:30	Dligo survey	Elevations @ pile	caps/	column	5
01:30	RIAD MALE	Jooden ledger bo	and a	22	
	Cost Syle	of east to wal			
				1	
10100	BBL phete E	gpt. Storage Pad	anza		
		4			



engineers & scientis	ts .			
SUBJECT		PROJ. NO.	ВУ	Sheet Sheet
CS. BY _	; DATE	CHECKED BY		DATE
10:30	Sligo constructing is	boden forms		
11:00	Sligo off site to ou	otan supplies		
11:30	Sligo back on site			
12:00	Relar delivery -> - Stage repar nex	Sligo d- 40 Raker 1	ank	
13:00	- Stage rebar nex - B, 13, S, No. 4 bai Repar truck off si	75		
13:30	Sligo off site			
00	BBL observation	s a proposed	Egpt.	Storage
	- Egpt. being me - 100 amp panel - Outlets from 10	oved by NMF a) 500 come o A panel alo	= /rc	ans. Bldg.
15:00	1313L clean up u	ork area		
18:00	BBL Off SITE			
16:30	Slige deliver for - Stage near Bak	ms to site	ks .	
-				



SUBJECT	DOULNO DV DATE DATE
Field Notes	PROJ. NO. BY DATE SHEET 8/1425 / CF 2
S. BY; DATE	CHECKED BY; DATE
	Friday
0615 BBL on site	Friday Sun -80°F
0/46 6/4	180°F
0645 Sligo on sik	
Affica prent	
1500 gal od 1 fank	
- Safety Meeting	
- Site Observations	
Dligo began proparing existen come	The for concrete placement
installing steel reinforcement	
- Sooks N Eck Murdack @ 0830	
- Spoke w/ Eric Murdock @ 0830 - 5 poke w/ Bill Hopkins@ 0900	
- 5/190 began installing vertical steel	N/cpsy & 0750
- Spoke w/ Tony Guiss from AAA @ C	
- Dhove of load barren	
- Concrete pour cancelled by 5/190 @ 102	



SUBJECT F	elo	l	N	oks	3										-		PROJ	i. NO.	•		BY	·			TE /2	25	SHE 2	ET F-
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DATE  CHECKED BY  DATE  CHECKED BY  DATE  CHECKED BY  DATE  Monday  Clouds / Sun  N 750 K  O7.00  Sligo (C+S) on site  O7.00  Sligo (C+S) on site  O7.00  BBL on site  Satedy Meeting  AAH egot: 1,500 gal (Green) poly tank - Clean  1,000 gaker tank (not fluid, n 12K gals)  Stop Cool (Baker tank (not fluid, n 12K gals))  Stop Cool (Baker tank (Not fluid, n 12K gals))  Sligo Equipment: (3) bundles No. 4 rebar  Trailer of forms  Site Observations:  TD dry & So, and  TD moist & No. end  TD wall forms a East + No. and  Gast TD wall first (due to form ties)  North TD wall = 12" thick (due to form ties)  North TD wall = 19" thick (I in	engineers & scientist	1				
OTION Sligo ((1-5) on site  OTION Sligo ((1-5) on site  OTION Sligo ((1-5) on site  OTION Set forms @ TD walls  II:00 BBL on site  Safety Meeting  AAA sapt: 1,500gal (Green) poly tank - Clean 1,000 " White " " " "  20,000 " Baker tank (m6 fluid, w12k gals)  5 ton Roller  R/Os: (D.30 cy Non Haz v//2 full  Sligo Equipment: (3) bundles No. 4 repar  Trailer of forms  Site Observations:  - TD dry @ 50, end  - TD will forms @ East + No. end  - East TD wall = 12" thick (due to form ties)  - North TD wall = 12" thick (" " " " ")  BBL conduct air monitoring:  - Co = 0.0  H; S = 0.0  Oz = 21,0	SUBJECT		PROJ. NO.	ВУ	DATH 8/28	SHEET
07:00 Sligo (C+S) on site  Ot-S set forms @ TD walls  N:00 BBL on site  Safety Meeting  AAA eapt: 1,500gal. (Green) poly tank - Clean 1,000 " (Note) " " " " " " " " " " " " " " " " " " "	CS. BY _	; DATE	CHECKED BY	· ;	DATE	
07:00 Sligo (C+S) on site  Ot-S set forms @ TD walls  11:00 BB2 on site  Safety Meeting  AAA eapt: 1,500gal. (Green) poly tank - Clean 1,000 " (White), " " 20,000 " Baker tank (rib'fluid, w)2K gals)  5 ton Roller  R/Os: (D 30 cy Non Haz w/2 tull  Sligo Equipment: (3) bundles No. 4 repar Trailer of forms  Site Observations:  - TD dry & So, end - TD moist of No. end - TD wall forms @ Cast + No. end - East TD wall = 12" thick (due to form ties) - North TD wall = 190 thick (" " " ")  BBL conduct air monitoring: - C = 0.0 C = 0.0 Cz = 21.0			1 : :	Mon	day	
07:00 Sliga (1+5) on site  (1:00 BBL on site  Sately Meeting  AAA eqpt: 1,500gal (Green poly tank - Clean 1,000 BAR tank (No fluid, WAK gals)  5 ton Roller  RIOS: (1) 30 Cy Non Haz v/z full  Sligo Equipment: (3) bundles No. 4 yebar  Trailer of forms  Site Observations:  - TD dry & So, end - TD moist & No. end - TD moist & No. end - TD wall forms & East + No. end - East TD wall = 12" thick (due to form ties) - North TD wall = 19" thick (""" "")  BBL conduct air monitoring: - CO = 0.0  H2S = 0.0  Cz = 21,0				Clove	1 1/SU	
07:00 Sligo (C+S) on site  C+S set forms @ TD walls  (H:00 BBL on site  Satety Meeting  AAA eqot: 1,500gal (Green poly tank - Clean  1,000 " (Mhite) " " " " " " " " " " " " " " " " " " "				V 75	-0 K	
Il:00 BBL on site  Safety Meeting  AAA egpt: 1,500 gal. (Green, poly tank - Clean 1,000 " White) " 20,000 " Baker tank la6 flud, w12K gals.)  5 ton Roller  RIOS: (D 30 cy Non Haz w1/2 full  Sligo Equipment: (3) bundles No. 4 repar  Trailer of torms  Site Observations:  - TD dry & So, end - TD wall forms & East + No. end - TD wall forms & East + No. end - East TD wall = 12" thick (due to form ties) - North TD wall = 19" thick (" " " ")  BBL conduct air monitoring: - CO = 0.0  H2S=0.0 Cz = 21.0						
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11:00 BBL on site  Safety Meeting  AAA egpt: 1,500 gali (Green) poly tank - Clean 1/000 " White) " " " " " " " " " " " " " " " " " " "		10 4 5 6 4 6 6 7	λ , , , , , , , , , , , , , , , , , , ,			
Satety Neeting  PAH sapt: 1,500 gali (Green) poly tank - Clean 1,000 " (White) " " " 20,000 " Baker tank (No fluid, NZK gals)  5 ton Roller  R/Os: (D 30 cy Non Haz N/z full  Sligo Equipment: (3) bundles No. 4 rebar  Trailer of forms  SI te Observations:  - TD dry & So, and - TD moist & No. end - TD wall forms & Cast + No. end - East TD wall = 12" thick (due to form ties) - North TD wall = 19" thick (" " " " ")  BBL conduct air monitoring: - CO = 0.0  H2S = 0.0  Cz = ZI.0		19 Bell Torms (b)	O walls			
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Satety Neeting  PAH sapt: 1,500 gali (Green) poly tank - Clean 1,000 " (White) " " " 20,000 " Baker tank (N6'fluid, N)2K gals)  5 ton Roller  R/Os: (D 30 cy Non Haz N/2 full  Sligo Equipment: (3) bundles No. 4 rebar  Trailer of forms  SI te Observations:  - TD dry & So, and - TD moist & No. end - TD wall forms & Cast + No. end - East TD wall = 12" thick (due to form ties) - North TD wall = 19" thick (" " " " ")  BBL conduct air monitoring: - CO = 0.0  H2S = 0.0  Cz = ZI.C	11:00	BBI on Site				
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AAIA egot: 1,500 gali (Green) poly tank - Clean 1,000 " (White) " " " " " " " " " " " " " " " " " " "		Safety Meeting				
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Sligo Equipment: (3) bundles No. 4 rebar Trailer of forms  Site Observations:  - TD dry & So. and - TD moist of No. end - TD wall forms & Cast + No. and - Cast TD wall = 12" thick (due to form ties) - North TD wall = 19" thick (" " " " ")  BBL conduct air monitoring: - CO = 0.0  H2S = 0.0  Cz = ZI.O		5 too Ro	ller			
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- ID wall forms a cast + No. Ena  - Gast TD wall = 12" thick (due to form ties)  - North TD wall = 19" thick (" " " " ")  BBL conduct air monitoring:  - CO = 0.0  H2S = 0.0  Oz = ZI.0		The Observations:				
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- ID wall forms a cast + No. Ena  - Gast TD wall = 12" thick (due to form ties)  - North TD wall = 19" thick (" " " " ")  BBL conduct air monitoring:  - CO = 0.0  H2S = 0.0  Oz = ZI.0		- The majest of No and				
BBL conduct air monitoring: $-CO = 0.0$ $H_2S = 0.0$ $O_Z = ZI.0$		- TD unil forms all Eas	+ No End	1		
BBL conduct air monitoring: $-CO = 0.0$ $H_2S = 0.0$ $O_Z = ZI.0$		- Gast TN Wall = 12"+	hick (due	to for	n ties	<u>;</u> )
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SUBJECT		PROJ. NO.	BY	DATE SHEET
S. BY _	; DATE	CHECKED BY	;	DATE
12:30	Kevin M. (5/190) On			
1212	C+S placing ties y			
/3:30	- Bob Ashe performed - No air entrain t	est eapt ->	st >>	3"s/ump + perform
	- Pour North end t - Vibrate w/rod t - Pour East wall to	o NZIL deep ofull depth full depth (-	:	
	- Vibrate East W/ - Pour Non End to - Trowel Finish to	top, vibrate	ω/ ro	4
	*NO Independen  BBL call AAA ->			
	Re: Testing of	concrete	γω, γ	
14:00	Bonded finish pour - Clean up/wash	down truck		
14115	Borded off site Sligo off site			
15100	C+S off site  BBL contact			
162cc -	BBL off site	E 15 ACI CE	TITIE	
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07/30	C+S begin strip formus	ork			
	Talk w/ Kevin (Sligo)				
	- Ryw concrete specs: 7	est concu	r=t= h	etan no	100
	- S/100 contracted test	196			
	- Test lab and not show	up yest	Erday		
	- BBL obtain Borded conc	nete tic	ket fr	m Slige	<b>b</b>
08:15	Kein (5/190) off site				12 (14)
08130	C+S finish strip formu	prk			
	1044 70713 0 60 77	2767			
08:50	C+S off site				
09:45	Sligo on site (Kevin +	(mig)			
10:15	Sligo begin finish TU	walls			
	- Break + remove ties				
	- Finish wall face w/c	rinder			
	- TO wall curing: cover Ly Minimize HZO in	w/ bvrl	ap and	d wet	
		, 00 -			
10:30	BBL perform Air Monitor		0.0		
		LEL =	0		
		02 = VOC =	20.9		
1/67-				X //	
11830	Sligo place burlap cure - Wet burlap, place bur	blankets	1000	) wall-	7
	- we i pur iaps, place ever	up awn	Poul	P	
The state of the s					



ngineers & s	cientists																				
SUBJECT												PF	SOJ. N	O.	(	BY		DA <sup>*</sup>	29	Sł	HEET
S. I	BY		; C	DATE _					<u>-</u>		СН	ECk	KED E	3Y			;	DAT	E		
		;			1														THE PARTY OF THE P	THE PERSON NAMED IN	
12:00		Sli	20 (	3 <del>{{</del>	50	45	<u> </u>	01	- 1	س ا	20	4									
j3:00		)	/	on							ATTENDED TO A STATE OF THE STAT					made a market and a second and					
10,000		•	)										The Part of the Pa		i		+	7 (1)		1100	Date of the second seco
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14:00		Bolo	As	h(	301	ndo	=d		Cir	CN	=1		Or	15	1 t e	= -	<i>t</i> o	ρι	ck	Y	<b>5</b>
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30		Fin	she	d	Flo	or		> (	Ξ×	(18	+	E	90	<b>.</b>	Flc	or	Œ	le	vai	tio	
	X	Bar	ة ط	2 (1	VM	PC	);	5	Ιομ	)E	7		<i>~</i>	ato	5	ر ا	Ev	at	ior	25	
15:30		Sli	90	off		51/0	=					Again to Ann				A STATE OF THE PERSON NAMED IN COLUMN 1		A A A AND THE REAL PROPERTY AND THE PROPERTY AN			
17:00		BB	1-0	ff s	\$1 <del> </del>	=	A PROPERTY AND A STATE OF THE S							en concessor Comment straderst				And Principles (Aller			
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SUBJECT		PROJ. NO.	ВУ	DATE 8/30	SHEET
.CS. BY	; DATE	CHECKED BY	;	DATE	
			ednes louds 80° f	(Sun	
97; <i>©</i> 0	BBL on site				
	AAA Egpt: (Z) poly + Baker + 5 ton Re				
	R/Os: (1) 30 CY		1/2		
	Sligo Egipt: Steckp Handt	ile of No.4 ools	rebar		
	Site Observations:  - MS area; dust over  - MS steel plate to be  - Curing blanket over	= Installed			
	- TD walls warm (hy - Pipe french ready 7 - TO east wall - 22 - Roof drain system (9) HEPA units runi	drating) for formwork " 1420 on East	-51de		
07:30	Sligo on site	ng			
DE:00	Safety Meeting TS Access - Can SI L-> BBL ask NMPC for	Igo use door	to Ga	rage:	2
	Sligo survey elevation	ons for forms	; @ Co	lumns	



SUBJECT		PROJ. NO.	BY	DATE SH	EET
S. BY	; DATE	CHECKED BY	;	DATE	
09:00	Sligo setting forms @ c	olumns			
10:00	Sligo placing rebar @ pi				
BBL	Talk w/ AAA (M. Picker)  - AAA to be on site to  - MS excavation bac  - Install MS steel  - Prop + clean MS	morrow the complete			
	→ Replace roof drain	pipe			
(11:00	BBL conduct Air Monite	Hz: CE VO	0 = 0 $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$		
12:00	Sligo placing rebar @ pip	e trench			
12:15	Sligo off site				
12:30	BBL contact J.M. Names - RE: conduit @ (Z) co	lumns in	75 -> C	ead/A/i	VE
12:45	NMPC test conduit @	cols, ->	DEao		
13:30	Sligo on site -> place Garage doorlock -> Bes	rebar G + (NMPC)	<i>pp∈</i> #1K;	trench	
14:00	Craig (\$1190) on site				



SUBJECT			PROJ. NO.	ВҮ	DATE SHEET
CS. BY _	; DATE	CHEC	CKED BY	;	DATE
15:00	Sligo begin exco	vating c	ollection	n sun	np@TD
	- Remove subgrace - HZO v2" below  Sligo preparing re	de w/han	d shove	/ /as-	
16:00	Sligo preparing re	ebar for	TD co.	lection	Sump
	Estimated elevat	ions:			
·	M5 Floor				<b>A</b>
	449			4	7"
RR track		Slab - 10" +1	(ck:		12"
					4"
				xist.	
•			5	oncrete lab	
17:00	Sligo off site				
17:30	BBL off site		Fig. 1		
4					
			TO THE TOTAL THE		



SUBJECT	PROJ. NO.	BY DATE SHEET
.CS. BY; DATE	CHECKED BY	; DATE
		Thursday Clouds/Sun 850 F
07:00 BBL on site		
Plos: (i)  Site Observe  TO sump  TO sump  Column be  Before place	Baker Tank 5 ton Roller 2) Bob Cats  O CY Non Haz n/z  tions:  **Exacted/ H20 on surface  blankets in place  when formed  de pipe trench  onep for pour  a a TO East wall  nits running	
08:00 Sligo on si	E for TD simp + pipe t	rench
	m Ar Monitor -> Co	0 = 0 = 0.0 = 0 = 0 = 20.9



SUBJECT		PROJ. NO.	BY	DATE SHEET
.CS. BY _	; DATE	CHECKED BY	;	DATE
09:00	Sligo cont. form rébur			
09:30	AAA on site			
10:∞	AAA backfill MS are	<del>T</del> i		
10;20	Rebar set @ TD sump	2 + pipe +	rench	
i0130	NMPL collect fluid san	ple from	Bake	r tank
	BBL talk w/ AAA:			
	-MS Plate = 26" × 26	"× 1/2"		
	→ NEED min. 3" bearing  → Anchor bolts to be	Trush w/	e on plate:	concrete surface
	- 100 Try 3/8" bolt w//			
	TAAA wants to backful	17D wal	1 next	T WEEK
11:00	Sligo prep concrete pou	r areas:		
	- Pipe trench floors - MS excavations -	(3'×10] +	(31×6	,()
	- (5) column pads			
11:30	AAA clean MS area u	/ Wet Vac		
12:00	Soil + Material Testing - Test batch off truck	(SMT)	on si	te
	-5lump = 3.75" -Air = 4.5%			
	- Temp = 830 F			



SUBJECT		PROJ. NO. BY	DATE SHEET
CS. BY	; DATE	CHECKED BY	; DATE
12:00	Bonded Concrete p	<u> </u>	
	Transfer concrate	to Pipe Trench	
	Pour, level, float,	Finish Pipt trend	h floor
	Pour, level, float, +	Finish Column p	ads
	<i>"</i>	" MS area	as
		" TD sump	Floor
13:30	AAA off site		
14:45	Bonded Concrete &	off site	
15:00	Sligo finish concre	te, clean up Egg	, <del>+</del> ,
[6¦∞	Sligo off site		
i7/00	BBL off site		



SUBJECT		PROJ. NO.	BY	DATE 8/31	SHEET
CS. BY;	DATE	CHECKED BY	;	DATE	
Trence v3"/  v4()  **  Trence  **  **  **  **  **  **  **  **  **		ralt, v6"AR	66, ~9" - dark	Earth	
**************************************	Concrete Pa  o o o o  o Pump   Fuel Tar  + Confamme  o o o o	o o p	mpo o		
	Earth 15 dark bro X = 23' Asphalt, N/Z" Concrete 15 has			PID -	
				N	



SUBJECT		PRO	I. NO.	BY	DATE	SHEET
···········	·				9/1	
LCS. BY _	; DATE	CHECKE	D BY	;	DATE	
				Coda		
			<i>_</i>	-rida Sunc	Z -	
				50nn ~85°	7/=	
7:00	BBC on site					
	AAA Egpt: (2) poli	1 tanks		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	Baker	tank				
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 ton 6	oller				
	(Z) Bobo	ats	: .			
	2/03 -> (1) 30 CY	1/2 4-		1 2 11		
F	103 - (1) 30 69	MUN MAZ		2/011		
	Site Observations:			A11.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
			· ·			
	- M5 area → 1 Day c - TD Nasump: ""	oncrete @ (	Excara	tions		
	+ TD Assump: ""	//		7		
The state of the s	- Curing blankets are	1 1 D WC	1//5			
	- Pipe Trench -> 1 Da	, concrete				
					·	
	- Poly over TD wall o - (9) HEPA units run	nina				
		9	:			
07:45	Sligo on site					
	- Remove forms 1	rom yest	Erday	5 pc	wr	
	- Wet fresh concr	ete 4 cov	er w	/ curin	ng she	ets
	- Clean up work o	areas			·	
18:00	Satety Meeting					
	sign y ricelling					
98:15	Sligo begin stripp	ung from	work			
			-			
				<del> </del>		.



SUBJECT						PROJ. NO.	ВУ	DATE 9	SHEET
CS. BY _	;	DATE			CHE	CKED BY _		; DATE	
08430	BBL - Grat	ting a	DES M	not no	EEd Huck	<u> </u>			
09:00	- Gras	placi	ng c	uring					
10:30	Sligo		site						
10:00	BBL,	oerfor.	m ai	r mo	n/fo	rings	VOC = HzS = LEL =	= 0 = 0.0 = 0.0 = 0.0 = 20.9	
11:00	BBL	EVIEW	doc	men	tatic	n + 50	ope o	f Work	2
14100	BBL	off s	ite						



OBJO BBC on site  AAA egot: (2) Polytants 5 for Roller Baker tank (2) Bob Cats  Rijos; (1) 30 Cy Non Haz N/2 full  Site Closer vations:  -M5 area pours (2x) curing - No blanks t  -TD sump + rebair - curing - "  -Ripe trench pour - curing - "  -Celum pads - curing + blanks ts  -(9) HEAA units running  -Root drain pipe, to be replaced  -Poly aver expanation  -TD walk during + blanks t  -Rel Island Area:  -Restance conduit in concrete + BF in place  -Aschalt removed to ABC No. of ex. pad  (2) 1500 Sligo on site  Safety Meeting	SUBJECT			PROJ. NO.	ВУ	DATE SHEET
OBMO BBC an site  AAAA egot: (2) Polytants 5 for Roller  Baker tank  (2) Bob Cats  RJOS: (1) 30 CY Non Haz N/2 FULL  SITE Closer vations:  - MS area pours (2x) curring - No blank=t  - TD sump + rebar - curring - "  - Pipe trench pour - curring - "  - Column pass - curring + blank=ts  - (9) HEPA units running  - Root arain pipe to be replaced  - Poly aver excavation  - TD walk curring + blank=t  - Arel Island Area:  · Electric conduit in concrete + BF in places  · Asphalt removed to ABC No. of ex pad  Ly (M 50/x 50')  Ricco Sligo on site  Safety Meeting  Sligb off load materials: joint felt	.CS. BY	; DATE	CHE	CKED BY	;	DATE
A/AA egot: (2) Polytanks 5 ton Roller  Baker tank  (2) Bob Cats  R/Os; (1) 30 Cy Non Haz N/z full  Site Observations:  - M5 area pours (2x) curing - No blanket  - TD simp + rebar - curing - "  - Pipe trench pour - curing - "  - Column pads - curing + blankets  - (9) HEPA units running  - Root drain pipes to be replaced  - Poly over excavation  - TD walk curing + blanket  - Avel Island Area:  • Electric conduit in concrete + BF in place  • Asphalt removed to ABC No of ex. pad  Ly (x 50'x 50')  [C:00 Sligo on site  Safety Meeting				70	esda Sunny 5° F	/
(2) Bob Cats  R/Os; (1) 30 Cy Non Haz n/2 full  Site Observations:  - M5 area pours (2x) curing - No blanket  - TD sump + rebar - curing - ""  - Pipe trench pour - curing - ""  - Column pass - curing + blankets  - (9) HEPA units running  - Roof drain pipe to be replaced  - Poly over expandion  - TD walks curing + blanket  - Avel I sland Area:  · Electric conduit in concrete + BF in place  · Asphalt removed to ABC No. of ex. pad  L. M 50(x 50')  Iciac Slige on site  Safety Meeting	08:00 ,	BBC on site				
- MS area pours (2x) curing - No blanket  - TD sump + rebar - curing - " "  - Pipe french pour - curing - " "  - Column pads - curing + blankets  - (9) HEPA units running  - Roof drain pipe to be replaced  - Poly over excavation  - TD walk curing + blanket  - Avel Island Area:  • Electric conduit in concrete + BF in place  • Asphalt removed to ABC No. of ex. pad  L.> (x 50/x 50')  10:00 Slige on site  Safety Meeting  Sligo off load materials: out felt		(2) 13	ob Cats			37
- Column pads - curing + blankets - (9) HEPA units nunning - Roof drain pipe to be replaced - Poly over excavation - TD walks curing + blanket - Avei Island Area:  · Electric conduit in concrete + BF in place · Asphalt removed to ABC No. of ex. pad  L.> (x 50'x 50')  10:00 Slige on site  Safety Meeting  Sligo off load materials; joint felt		-MS area pours (2 -TD symp + rebar	(x) curina		<del></del>	
- Fuel Island Area:  • Electric conduit in concrete + BF in place  • Asphalt removed to ABC No. of ex. pad  L.> (~50'x50')  [c:\implies Slige on site  Safety Meeting  5/190 off load materials: joint felt		- (9) HEPH Units in - Roof drain pipe - Poly over excava	to be re	rkets placed		
Safety Meeting  5/190 off load materials: joint felt		- Avel Island Area • Electric condui • Asphalt remo	t in concr	ete + BF	in plant	ace= ad
5/190 off load materials: joint felt	/c: a	Bligo on site				
HILL THE TOTAL TOT			terials:	joint 1/2-11		ick



SUBJECT			PROJ. NO.	BY	DATE/ 9/5	SHEET				
CS. BY _	; DATE	; DATE; DATE; DATE								
					111111111111111111111111111111111111111					
					1					
<i>∐</i> :ω	Sligo off site									
11:15	Fuel Island ob	servation	5:							
	- (2) 20 CY R/C - Conduit France	5 - covere	ed							
	- Conduit France	h back fil	led							
	- Asphalt remove - Formwork set				ground					
	stubbed cond	luit				i i				
	- Formwork N(ZC) - No odors, disco		st on rai	SECI /	TDC					
45	BBL review doc	cumentan	on + pa	perwe						
	- Develop sche	dule + pu	nchlist							
	- RVW Scope of - RVW concrete	specifica	utions		The second secon					
10-07	BBL off site									
15:00	SIDE OFF SITE									



SUBJECT	· · · · · · · · · · · · · · · · · · ·	PROJ. NO.	BY	DATE 9/6	SHEET
.CS. BY	; DATE	CHECKED BY	·····;		
			Vedne Sunny 4650 1	sday	
07:00	BBL on site  Sligo on site  AAA Egpt: (2) Poly Boker  Sligo Egpt: Hand to Power: Air compne	0/5 Se 5aw R	pply t	Cats Rolle ruck aterial	
08;00	Site Observations:  - MS floor to be clean - Pipe trench walls re TD sump to be form - Cure blankets on co - (9) HEPA units runn - Roof drain to be rep - Poly over TD excavat - 1 crew working @ PT 1 crew working @ PT	ady for form	5		



SUBJECT			PROJ. NO.	ВУ	DATE 96	SHEET	
LCS. BY	; DATE	CHE	CHECKED BY; DAT			ATE	
09:00	Sligo crew @ 7 - Trim concres - Support reb	es base paoi	g PT				
10:00	Sligo break						
0120	Sligo resime i	work activit	7(5)				
(0:30	BBL perform	airmonite	oring;	10 VOC 14,5 =	= 0.0 = 0.0		
				$O_z =$	20.9		
	NMPC welding	anchor bolts	on ang	le iro			
	Sligo cutting	wood for fo	erms				
11:30	Sligo break	for lunch					
12:30		work task					
	- 1 crew prep	forms @ T	D sump s for T.	D slak	2		
13:30	Sligo continue	work task	2				
14130	Sligo cont. t	asks					
	- 1 crew pr - 1 crew se	Ep rebar , Hing forms	: 1 : i	Sump			



engineers & scientists							
SUBJECT		PROJ. NO.	BY	DATE 9/6	SHEET		
CS. BY	; DATE	CHECKED BY	;	DATE	DATE		
15:30	Sligo cont. work task	5					
	- 1 crew prep rebar n		nate	a v 14	1×141		
	- 1 crew prep forms		•				
	Ly Rebar in place,	on North	side	all forms	1 10/1		
			1		- Care		
	- TD floor slope = 1" 7 - Angle from in place	rom wall of No. side	to sur	20			
16:15	Sligo clean up work						
16:30	Sligo off site						
17:00	BBL off site						



SUBJECT		PROJ. NO.	BY	DATE,	SHEET
	•			9/7	
.CS. BY	; DATE	CHECKED BY	;	DATE	
			Thur	sday	
			Sun	July 1	
1,71			5un ~75	0	
07:00	BBL on site				
	Site Observations:				
	- Forms set @ TD s - Cure blankets ave	r MS pour			
	_ // // //	column bas	GS.	4	
	- Pipe trench to be - Poly over TO excau - (9) HEPA units no - Rebar mats, angle	formed up			
	- Poly over 70 Excai	vation			
	- Risha- mate and	unning tout me	+11 star	with out	ida
	1 Day Maje	mon, joins mu	1 1 5 / 63	1001	Si Ci C
07:15	Sligo on site				
	Safety Meeting				
	AAA Egpt: SAY	(Same As Yes	terdan		
			<u> </u>		
	Sligo egpt: SAY				
	ROS: SAY				
08:30	Sligo setting )oint	-material, av	igle in	on, br	aces
	at pipe trench	a TD sump			
	1 crew forming ret	ar mats			
	AAA on site				
		20			
	AAA remove (9) HEF	H air units	-> of	fsite	
					+++



ngineers & scientisi	rs				
SUBJECT		PROJ. NO.	BY	DATE SHEET	
CS. BY_	; DATE	CHECKED BY _		; DATE	
09:00	AAA replacing roo	f drain pipe			
	- Cut, smooth en - Fernco joint c - Hard, couple j	ouplers @ neu	J'+ EX.	S PIPE	
09:20	Sligo break work	e activities			
09:40	Sligo resume wo	rk tasks			
	- Placing joint m	natil. @ perimo	eter o	+ TD	
10:30	AAA placing backfi	11@TD wall x	roof d	rain	
	- Place NIZ" bed - BF w/ native s	ding of 2" stor	ne undi	er roof pipe	
11:00	Sligo cont. forming	, rebar mats			
io:00	BBC perform A	ir Monitor:	CO = VOC = 125 =	0.0	
11:30	Sligo break for	lunch	Uz =	20.8	
	AAR (1 11	(/			
12:00	Solite Rep (Paul - RVW LW Aggres	gate backfull	site	- / (C) /	
	- 6016/f3 = 0 - Can place in 18 - Roll ZX - No	162016/CY = 2" (1fts	0.81 -	on/Cy	
	(1)	r +c			



engineers & scientist.	<b>3</b>	•				
SUBJECT			PROJ. NO.	BY	PATE 7	SHEET
CS. BY	; DATE	СНЕ	ECKED BY	;	DATE	
12:45	Sligo resume	work tas	.ks			
	- Placing joint	- mat'l. @	<b>ナ</b> 〉			
13100	AAA resume	work tas	Ks			
	-BF TD wal	1 w/ ~ 18"	501/			
	- Compact w	/ bo walk	behind	tam	DEV.	
13130	Sligo Finish p				$\tau_{\lambda}$	
			1	rai (9		
	Sligo off sit					
	Concrete sche			111111111111111111111111111111111111111		
15:00	AAA finish pl	acing + cor	upacting	=01	971) u	vall
	LW Aggregate	schedule	d for A	10n. 8/	12	
6:30	AAA off sife					
16500	BBL off site		;			
			,			
					: ! !	<del></del>



SUBJECT		PROJ. NO.	ВУ	DATE, 9/8	SHEET
CS. BY	; DATE CH	HECKED BY	;	DATE	
			Frid Sunn v 75	ay	
07:00	BBL on site				
	Sligo on site  Sligo Safety Meeting				
	Sligo prep TD area: - Grease form surfaces - Stage rebar - Clear South end near	O/H doo			
CB:00	Bonded Concrete on site				
	Concrete batch Test: 15T Batch Temp = 70° F  Slump = 41/4" Air = 6%				
	2NO Batch Temp = 76 Air = 5.5% Slump = 3/211				
	Set of (6) 6" x 12" cylin	ders m	ade by	SM-	



SUBJECT	·			PROJ. NO.	BY	DATE SHEET
CS. BY	; D	PATE	c	CHECKED BY	;	DATE
08:30	Pour T.	Delump	collection	sump		
	Par fro	on No.	end to So	oth		
	Pour r	5" @ No.	end			
	Place re	Ebar ma	+			
	Pour ~	5" over	rebar m	at		
	Spread	l, level,	screed,	bull-flo	at	
	Pour ne	xt sect	ion as abo	ve - To	tal = 4	sections
10:00	Finish	prelim	oour activi	ties		
	Curing	/Seale	- Compound	(= Euclio	1 Super	Floor Coat
[[:30	Sligo	begin	hand flood	ing @ N	o. End	-> So, End
	Hand +	float Ed	ges/Power	Float	man	ansa
12:30	Finish	1st pas	ss Power	Float		
(3:00	Begin	ZNO pas	s Power 1	loat		
14:00	5/190 -	finish:	2 <sup>NO</sup> pass P	ous, Floo	at	
930	Sligo	omplete	finish ac	chivities	OTD	slab
15:30	Sligo :	sau cut	control je	oints @	TD sla	2b



SUBJECT			PROJ. NO.	ВУ	DATE 9/8	SHEET
.CS. BY	; DATE	CHE	ECKED BY	;	DATE	
16:00	Sligo place curini	2 compou	nd @ T	1) slal	<b>D</b>	
	- Euclid Super F	son=ad	w/ sauc	FICE		
	- Pour on slab, - Start @ No. Gr	$nd \rightarrow 50$ .	end			
17:00	Sligo off site					
77100			v			
	BBL off site					10000
		:				
			1			
		-			TO IN COLUMN TO THE PARTY OF TH	



ngineers & scient	<del>\$15</del>				
SUBJECT		PROJ. NO.	ВУ	DATE 9/1/	SHEET
CS. BY	; DATE CHE	ECKED BY	·;	DATE	
			Mond Sunn 85°	ay Y	
08:00	BBC on site				
	AAA on site				
	Satety Meeting				
	54	ocets on Roller y tanks			
	(2) POR	crtank			
	Site Observations:				
	- Cuns blankets over MS por MS steel plate to be place	our areas			
	- TO slab poured + scaler/ - Forms in place @ TO sur - Joint mat 1 staged @ MS	1 1 1 2 1	- CM POU		
	- Cure blankets over column - Pipe trench Floor poured in	place			
	- Post drain pipe placed + be - Med. stone placed @ 75 of - Staging area (off concrete p	fice area	24"	excava	400)
08:30	AAA backfill No. End TD	excavation			
	- Place 11/2" BF - Compact w/ Vibratory walk	behind	tamp	<b>3</b> C	
	- Repeat cycle Zx times				



engineers & scient	<u>575</u>				
SUBJECT		PROJ. NO.	BY	DATE SH	HEET
CS. BY	; DATE CH	ECKED BY	· · · · · · · · · · · · · · · · · · ·	DATE	
	- Compacting TS perimeter	wil walk	hehio	4	
09:00	AAA compact TS Aloov ar -Roll TS area W/NO vibration	ca w/5	ton R	oller	
10:00	Solite LWAgg truck on 51 - Drop 13 15ton @ staging - Another load v 30 min. of - Scheduled (3) loads for t	area away			
10:30	AAA begin placing LWA - Start @ TD No. area ne	ear stair	well		
<i>∏;∞</i>	Solite LWA truck on sit - Deliver ~37 ton LWA & - Off site at 11:30	te 1 stage	area		
12:00	Solite compaction test  - 5 ton Roller (1 pass) vs  - walk behind produces r  - Side by side compaction  - Placed (1) 12" lift of S  - Roller compacts vi">	nore comp n areas (olite are	action a No. 1	on top Wared	
12:30	AAA break for lunch				
B160	Solite LWA truck on s - Deliver v 37 ton CWA - Offsite @ 13:30  E Compaction: - Roll main areas Zx - Walk behind perimeter	pass W	1 1 1	1   1 !	



SUBJECT	PROJ. NO.	ВУ	DATE, 9/11	SHEET
CS. BY; DATE C	HECKED BY	;	DATE	
				***
14:00 AAA continue backfill a	ctivitie	S		
15:00 AAA cont backfilling				
		1.	No. Ec	
- (Z) Bob Cats placing by	hand w/	rake		
16:00 AAA cont. BF				
16:30 AAA finish BF for do	2 ( )			
16:30 AAA finish BF for da - Place (3) truckloads	LWA			
100 AAA Off SITE				
17:30 BBL off site				
MODE OF SIZE			-	
			10 100 100 100 100 100 100 100 100 100	
			011	
				3 11111



subject		PROJ. NO.	BY	DATE SHEET
				9/12
LCS. BY_	; DATE	CHECKED BY		; DATE
- A - A - A - A - A - A - A - A - A - A			TUE	sday
			BCI	oudu
			800	oudy F
07:00	BBL on site			
	AMA on site			
	Batety Meeting			
	000			
	AAA egpt: (2) Bob	Pollec	(2)	Paker fank Poly fank
77 77 77 77 77 77 77 77 77 77 77 77 77		on rough		) roly rank
10 10 10 10 10 10 10 10 10 10 10 10 10 1	Site Observations:			
	- Enclosure to be rep - TS No. low bay ansa + - PIDE trench Open	aired		
	- TS No. low bay and +	1/2 H1 ba	p bac	kfilled
	- TD slab -> uneven cone	compound		
	- Stage area clear - Cure blankets @ M5 a	rea		
		sump		
07:45	AAA begin compacting	LWA		
	- 5 ton roller make 2 - Wak behind compact	x passes		
	- Walk bening compact	at column	15, wai	15, 676.
08:30	AAA finish compacting	LWA		
08:45	Solite truck on site			
	- Drop ~ fon LWA - Offsite @ 09:15			
	- Oftsite @ 09:15			



	0001110	DV/	DATE	CUEET
	PROJ. NO.	BY	DATE 9/1Z	SHEET
; DATE	CHECKED BY	<u> </u>	DATE	
AA begin backfill	175 arsa			
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	y CWF	7	
Sligo (Craig Murr Review items:	ay) on site			
73 00404 (3) 004	rs De trench walls	+ TS 1	floor to a	ether
- &TD curing comp - Control joints - MS topping & VB	ound be	= done	togeth	ner
AAA off sife				
Sligo off site				
Solite truck on s - Drop ~ tor - Offsite at 12	site 1 LWA 1,00			
AAA resume work - Backfilling TS 5	bay and			
AAA begin compace Walk behind vibr	cting LWA water plate	15 ton.	Roller	+
		from	MMP	
	AAA off site  Sligo off site  AAA off site  Solife truck on s  - Drop or top  - Backfilling TS  AAA begin compact  Walk behind vibr  Solite fruck on s  - Drop or top  - Backfilling TS  AAA begin compact  Walk behind vibr  Solite fruck on s  - Drop or top  - Drop or top  AAA begin compact  Walk behind vibr  Solite fruck on s  - Drop or top	AAA off site  Sligo off site  Sligo off site  Drop of compacting LWA w Walk behind vibrate plate  Solite fruck on site  AAA begin compacting LWA w Walk behind vibrate plate  Solite fruck on site  CAAA begin compacting LWA w Walk behind vibrate plate  Solite fruck on site  Jorop of compacting LWA w Walk behind vibrate plate  Solite fruck on site  Jorop of ton LWA  Solite fruck on site  AAA begin compacting LWA w Walk behind vibrate plate  Solite fruck on site  Jorop of ton LWA	AAA begin backfill TS area and CWA Sligo (Craig Murray) on site Review items:  TS pour: (3) pours Pour pipe trench walls + TS:  CTD curing compound Control joints MS topping & VB restore to be done AAA off site Solite track on site - Drop or ton LWA  AAA revine work fasks - Backfilling TS So. bay area  WAAA begin compacting LWA w/S ton. Walk behind vibrate plate Solite track on site - Drop or ton LWA  VEN P. remove AAA transformer from	APA begin backfill TS area  APA finish backfill TS area and CWA  Sligo (Craig Murray) on site  Review items:  TS pour: (3) pours  Pour pipe trench walls + TS floor tea  Control joints  MS topping + VB restore to be done togeth  APA off site  Solite truck on site  Drop r ton LWA  APA resume work tasks  Backfilling TS So, bay area  PAPA begin compacting LWA WS ton Roller  Walk behind vibrate plate  Solite truck on site  Drop r ton LWA  APA begin compacting LWA WS ton Roller  Walk behind vibrate plate  Solite truck on site  - Drop r ton LWA



SUBJECT			PROJ. NO.	ВУ	DATE 9/12	SHEET
LCS. BY	; DATE	СНІ	ECKED BY	;	DATE	·
4:30 /	AAA continue bo	ckfilling	75			
is 10 /	PAA finish BF					Transmission of Contract of Co
	- Need to compo		il areas			
5:30	3BL observe a	crack in ex	xist. con	crete	0	
	NE corner o;	f 75 elec	c. Egpt.	(Gene	rator	pad
6:00 /	AAA compact ( - 5 for Roller:	WA IN T.	S			
/ /-			#	-+	1	
6:15		mpaction	LWH 1	7/5		
30	AAA off site					
7:00	BBL off site					
						in the state of th
						A.A.I.
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			

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SUBJECT		PROJ. NO.	ВУ	DATE 9/18	SHEET
.CS. BY	; DATE	CHECKED BY	;	DATE	
			Mond Sunr 480°	١	
07;00	Sligo on site - Unload mat's + pre	p work site			
08;30	BBL on site				
	Equipment: AAA RIO: (1) Non Haz			.K	
	Site Observations				
	- Solite stockpiled - Rebar " - TS Area backfilled			fre	
	- Coat of cure comp - Concrete pad a C - Forms in place @	ound over In			rner
09:45		mike P.)			
	- AAA to sawcut c - Other AAA work	oncrete pad @	Gene	rator	
09:30	Sligo begin install	isolation jour	nt ma	+11.	
	T Start at perime		5		
00	- Offload 14,000 c	als, fluid from	Bake	rtank	



SUBJECT			PROJ. NO.	BY	DATE 9/18	SHEET
CS. BY_	; DATE	CH	ECKED BY	;	DATE	
10:30	Sligo to trim	conc. @ stair	-well do	oor		
12:15	Site Visit by	U. Brusse	1 BBL			
	- Offsite @ 1Z	Jim Morga Bob Carzo				
[2:00	Sligo break	for lunch				
13:00	Sligo return - Placing jour anchor in			d conc	nete -	ło
14:30	BBL return	photographs	5 to Ji,	~ MCNa	nee (	VMPC
15:00	+ Brick nat ba	Il poly vapor	over 41	WAS		
	System		nd		/	nsate
15130	Sligo continue	placing joi	nt mate	Erial C	2) No. 7	75
16:00	Sligo off si	te				
16:30	BBL off 51	te l				
				100		



engineers & scientist	3					
SUBJECT			PROJ. NO.	BY	DATE 9/19	SHEET
CS. BY	DATE	СН	ECKED BY	;	DATE	
				vesda Jun /Ci 180°F		
07,00	BBC on site					
	Sligo on site Safety Meeting	J				
	Equipment: A. Ba	AA BobC aker Tan ) poly tur ligo hand	at K nks			
	R/O: (1) Non Haz		1117	tinish	tools	
	Site Observation - Joint mat'l in		Vo. colum	25 1/4	Energy	me ter
	- TS area backt - TD sump form - Pipe trench to - Cure blankets	nwork in	solite place med			
08:00	BBL measure t					
09:00	Sligo begin form  Base floor board					
	Base floor board - Anchored in co.	ncrete fla	or w/ma	sonry r	ails	



SUBJECT		PROJ. NO. BY	DATE: SHEET 9/19
LCS. BY	; DATE	CHECKED BY	
10:06	BBL talk w/ 5/1go	re; Pipe Trench	
	- PT plate elevati - PT & iron; So. + i		
	- Corner steel plate - Transition El. From	=: So. + Z" = No.	
	- Carry 1" diff along - Adjust corner slev.	entire length of	
11:00	Sligo continue form	ing Pipe French	
11:30	Sligo bring angle Iro	n on site	
	- 4" Truck Dock + Z	" Pipe trench	
<i>J</i> 3;00	Sligo offload block	+ rebar into TS	3
13:30	Continue placing b	lock + rébar @	TS No, area
14130	Sligo cont. rebar	mat (16" o/c)	
15:00	Verizon call -> UFF - Line from Biway	to NE corner of	Bldg Z
16100		rator pad + xist coating @ V/	4W\$S
17:00	Sligo placing angle	iron @ Pipe thene Elevation + width	24
7/130	Sligo off site		
18;00	BBL off site		



stastand, BOUCK & LEE, IN angineers & scientis	<u>C.</u>			
SUBJECT		PROJ. NO.	DATE 9/20	SHEET
.CS. BY _	; DATE	CHECKED BY	; DATE	
			Jednesday Sunny 35°F	
07100	021	78	25 7	
07:00	BBL on site			
	Sligo on site			
	Safety Meeting			
	BBL review Work tasks	ľ		
	- Cut ledge in No. To - Forms + 2 iron @ PT	→ 12" inside	steel brid	ge) plate
	- Poly vapor barrier over - Form up bulk head at c	stone olumn line		
07;45	BBL inform NMPL (Jim box @ NE comer of	MEN.) of	son loase poi	UET
	- NMPC to repair power	box		
08:00	Rick Longtin (NMPC) cla -No electrical lines in	ear area t	or soil boring	75
08:15	BBL talk w/ Jack H. (NM - NMPC to relocate rema			
	- NMPC to supply drums - Cutting water to go in	, for soil c n Baker Tan	uttings K	
09:00	AAA on site			
	Equipment: AAA		ligo	
	TD stair Bob Cat		ishing tools	



SUBJECT		PROJ. NO.	BY	DATE 9/20	SHEET
CS. BY_	; DATE	CHECKED BY	;	DATE	
08:45	Sligo placing poly + rel	par @ TS No.	end		
01:00	Site Observations; - Joint mat'l placed, - PT walls formed,	reed to place	= Iron		
	- No. 75 area to be a - Iron in place @ No - Coose power box @ N - Repar to be added - Cedge to be cut @	wall TD C TS d @ AT		blocks	
09:15	(2) UIS Trucks on - Truck 1 offload . - Truck 2 "	51/E ~ 5,200 gal. ~ 4,000 11	fluid 11		
30	AAA begin cut TS - Demo saw will n - Ken P. order no	ot work	Emo sa	'W	
jo:15	Talk w/ Eric M. re: - Need drums for a - Directions for Pit  AAA load (2) poly tar	Stield crew			
10:30	(Z) UIS Trucks off	site			
11100	AAA begin conc. cut - Wetting cutting area	w/saw + HZe constantly -		lust	
11:30	BBL talk w/ Mike P. (1) - Baker Tank ready - VITWSS coating re		ctivitio	<b>ES</b>	



SUBJECT		PROJ. NO.	BY	DATE SHEET
CS. BY_	; DATE	CHECKED BY	;	DATE
12130	AAA finish conc. cut (	a) TS Gene	erator	
	- Unable to remove a - Crack observed @NW	ut section		slah
13:00	AAA off site AAA to return tomorrow			
	- Concrete removal @ 75 - DE Con Baker Tank	GEN.		
	- VHWSS activities		- 07	
	Sligo continue placing i			
14:00	Forms @ column line in			
1-7-30	BBL talk w/AAA (MIKE) - NEEd road saw to cut - NO Jackhammers	P.) t = lab to f	ull dep	oth (6")
15:30	Sligo cont. placing rebo	ar @TS.	No. En	d
17:00	Sligo cont w/ rebar e	975 No. a	rea	
17130	Begin placing angle 1	non @ PT		
18:30	Sligo off site			
19:00	BBC off site			
			•	
<del></del>		<del>                                      </del>	<del>-                                    </del>	



engineers & scientist	5		
SUBJECT		PROJ. NO1°	BY DATE SHEET 9/21
CS. BY _	; DATE	CHECKED BY	; DATE
			hursday loudy
		2	75° F
05:00	Sligo on site		
	BBC on site		
	Safety Meeting		
	Equipment: 5/190	<u> </u>	AAA Bob Cat
	Finishing		Demo saw Pressure washer
	Site Observations:		Air compressor Blaster
	- TS area backfilled	d * compacte	d
	- Poly + chairs + relace		
	- Pipe trench = Form - Baker Tank = No flu - Egpt. Pad area clea	s + rebar + ids + sedim	angle Iron
	Eggi. raa area cigo	ar or eapt	,
	Sligo tieing rebar ma	to TS area	a
	Sligo placing iron on:	forms@P7	
07:00	Concrete pump on si	te (Gary)	
	Sligo cont pre, wor	k@TS are	a + P7



SUBJECT		PROJ. NO.	ВУ	DATE SHEET
CS. BY	; DATE CH	ECKED BY	;	DATE
09:00	Bonded Concrete on si	> 1°	st Tru	K, 10 CY
	SMT on site			
	Bonded Truck does not - Will add 1/2 gal, H20/C - Will place concrete at !	1 concre	he '	sticizer
	- Next (4) trucks will add	superp.	at the	plant
08:30	SMT collect concrete to	est batc	hoff	truck
	Air = 5% Temp = 80°F Slump = 3.5"			
	SMT collect (6) cylinder	s at er	nd of	pump
	Sligo pour pipe tranch Pour West and of No. 7		81 be	Jan FFE
	Vibrate + consolidate			
09:00	2 no Bonded Truck on s	7/t= ->	10 CY	/
	Continue pour West an			
	Vibrate, Screed, IFIC			
	Pouring from West End	$l \rightarrow E_0$	st	



SUBJECT		DOO! NO	DV.	DATE	Curer
JUDIECI		PROJ. NO.	BY	DATE 9/21	SHEET
CS. BY	; DATE	CHECKED BY	· ;	DATE	
		1 -		interes interession	
09:30	300 Bonded Truck on	site	> 10 C	<u> </u>	
09:45	BBLES on site -> 50	11 Borings	•		
10:00	Cont. pour contral 1	lo. TS ans	<b>=</b> a		-
	Pour, Screed, Darb	<b>y</b>			
10:30	4th Bonded Trick on:	site ->	10 CY		
10:15	AAA on site				
11:15	AAA OFF SITE				
11130	5th Bonded Trock or	151/E ->	100	7	
	Pour, Screed, Darby				
12130	6TH Bonded Truck or	site-	z.5 C	7	
	Pour remaining area				
12:45	AAA back on site				
(3:30	AAA prep to De Con B	baker Tan	K		
	Sligo begin power to	owel@We	est end	d 75	
14130	AAA DECON Baker far			-( ) ( )	
	- Poly on ground, dren - Removing solids/lique	15 on poly	+ WG	+ vac	
		uid, minor	ador		
	- AAA air monitor/cont	ined space	: : /	•	
	- Prossure wash ev/Hotsy	/	/		



SUBJECT			PROJ. NO.	BY	DATE 9/21	SHEET
CS. BY_	; DATE	CHE	CKED BY	;	DATE	
14130	Sligo power trowel	Central	No. 73	area		
	- (2) machines - ( - Crew trowell en	raig/KE	vin			
15,00	Sligo Finish power					
15:30	- Snap control jo	int line	s l activ	TIES		
	Sligo remove for	ms @ 7	ruck do	ck tr	ench	
<b>(( ) (C)</b>	AAA finish De Con					
16:00	- Generate (11) dri			111		
	AAA -> VHWSS					
	- Prep to blast	coatina	@ 50. b	erm o	area East	
	- Hang poly, rem					
17:00	Sligo cutting con			75 A	o. area	a
17:30	AAA finish pre	p@VIH	WSS		- 1	
17:45	AAA Off SITE					
[8:00	Sligo begin roll	ing cur	Compo	und -	Finish	
18145	Sligo off site	J				
19:00	BBL off site					
					1	



BLASLAND, BOUCK & LEE, INC			
SUBJECT	:	PROJ. NO.	BY DATE SHEET 9/2Z
CS. BY_	; DATE CHE	CKED BY	; DATE
		Fr	iday
		1	70° F
07:00	AAA on site Sligo " "		
	Safety Meeting - PPE	to be	worn Always
	Equipment: Sligo		AAA
	Hand tools Finish tools		Bob Cat Pressure washer
			Shot blaster Air compressor
	R/O: (1) Non Haz	30 CY	~1/2 full
	Site Observations:		
	-M5 area to be topped		
	- TS No. area poured, Finisher - TS central area to be pr - TS generator slab to be cu	Epped	
	- TEST cylinders to be picked - Fluid + solid removed from	dup Baker To	
	- Poly enclosure hung @ VHV	VSS	
07:30	Sligo apply cure compound over		inea 15 No.
CB:00	- Air compressor > shot blast	Er -> BI	ack Brauty shot
	- Test area = coating remov - Level C PPE	EU + 507	ince rough



SUBJECT			PROJ. NO.	BY	DATE 9/22	SHEET
CS. BY	, DATE	СН	ECKED BY	;	DATE	
					,	
08:38	Conference call			* BBL	(M:Von	<u>(</u>
04:00	BBL talk w/ Ko			Toler	ance	
	BBL talk w/KE	mP. (AA)	$A) \rightarrow \emptyset$	Toler	ance	
09:45	BBL conduct air - MIE # PDM - 3			5		
	AAA break wor - Approx. 1/2 berr - Surface 15 roug	n area sh	otblast	te exp	posed	2
10:30	Sligo placing poly,	chairs, r	Ebar a	75 C	entra	
11:15	BBL conduct air - PDM-3 -> Z.  AAA break work	9/	2) VHWS.	S		
12:15	AAA finish blas - Rough surface,	sting VH	WSS grey/re	d coat	ng, ba	ne .
	concrete - Generate 1 3, - Begin cleaning	1/2 55 ga		of sh	of was	<i>;</i> ∱€
	Sligo placing r - Rebar on block					(Er



SUBJECT		PROJ. NO.	BY	DATE SHEET 9/2Z	,
CS. BY	; DATE	CHECKED BY	,;	DATE	
13:15	Sligo off site				1
	AAA finish dea	nup @ VHU	155		$\frac{1}{4}$
3:30	AAA off site				-
5:00	BBL off site				$\frac{1}{2}$
j4:00	BB( unstall PP	FSIANGE	(15 5 000		$\frac{1}{1}$
	BBL install PPI around TS +	work area			<u> </u>
				10.077	
					_
	<u> </u>		,		
					_
7					_
					_



SUBJECT		PROJ. NO.	BY	DATE 9/25	SHEET
.cs. by _	; DATE	CHECKED BY		<del></del>	
			Mono	tay	
. 1			Mond Sunr ~60°		
07:00	BBL on site				
	Sligo on site	005			
	Safety Meeting - Wed		Everyu	Jhere 	
	Equipment: Sligo Hand tools		BobCat Road Sa		
			-ua xa		
	PJO: (1) Non Haz	30 CY	~ 1/2	FU11	
	Site Observations:				
	-MS area to be toppe				
	- TD sump forms remov - TD head wall to be a - TS No. = Poured, sawcut, a	ut	aund for	m = 1 n	1/0-5
	- TS Pipe trench = Poured - TS Mid = Poly + block ch	d walls, t	Corms In	place v 30%	COMPLET
	- TS Generator shb to be - Baker Tank: Fluid + solids	cut			
	-> (11) 55g. drums of - Egpt. Pad Area; (6) Soil	solids/slo	udge		
	-> (2) 55g, drums of VHWSS: West area sho	PPE+S	unpling a	lebris	
	Surface rough,  Shot removed	areas of	red/gre	=y/conc	rete
	(3) 0/H lights ou				
	Contact Jim M				



DATE  CHECKED BY  CHECKED BY  DATE  CHECKED BY  CHECKED BY  DATE  CHECKED BY  CHECKED  CHECKED BY  CHE	engineers & scientis	<u>.</u>				
08:20 Sligo prep work @ TS central area  - Rebar mats @ 16" OK each way  - Install joint material @ columns, perimeter  09:30 AAA begin concrete cut @ TS Generator pad  - Road Saw @ exist, cut line  - Cut NW corner @ 45°  - Welting blade continuously w/HZO  - No visible dust  10:15 BBL conduct Air monitoring  - MIE # PDM-3 -> 0.05 mg/m³  - Sligo resume work tasks  10:45 AAA finish concrete cut @ TS Generator  - Clean cut, NW comer & 45°  - Place concrete debris m R/O w/Bob(at  - Brown subgrade, no odor  11:15 AAA off site  12:00 Sligo continue prep work @ TS central  15:00 Sligo cont. work tasks	SUBJECT		PROJ. NO.	BY	DATE, 9/25	SHEET
- Rébair mats @ 16" O/C each way - Rébair and block chairs over poly liapar barrier - Install joint material @ columns, perimeter 01:30  AAA on site  01:45  Sligo break work tasks  10:00  AAA begin concrete cut @ 75 Generator pad - Road Saw @ exist, cut line - Cut NW corner @ 45° - We thing blade continuously w/HZO - NO visible dust  10:15  BBL conduct Air monitor ing - MIE # PDM-3 - 0.05 mg/m³  Sligo resume work tasks  10:145  AAA finish concrete cut @ 75 Generator - Clean cut, NW corner @ 45° - Place contrete debris m R/O w/Boblat - Brown subgrade, no odor  11:15  AAA off site  12:00  Sligo cont. work tasks  13:00  Sligo cont. work tasks  15:00  Sligo cont. prep work - Placing rebar @ 16" 0/C on blocks - Toint mat/l at perimeter	CS. BY _	; DATE C	HECKED BY	;	DATE	
- Rébair mats @ 16" O/C each way - Rébair and block chairs over poly liapar barrier - Install joint material @ columns, perimeter 01:30  AAA on site  01:45  Sligo break work tasks  10:00  AAA begin concrete cut @ 75 Generator pad - Road Saw @ exist, cut line - Cut NW corner @ 45° - We thing blade continuously w/HZO - NO visible dust  10:15  BBL conduct Air monitor ing - MIE # PDM-3 - 0.05 mg/m³  Sligo resume work tasks  10:145  AAA finish concrete cut @ 75 Generator - Clean cut, NW corner @ 45° - Place contrete debris m R/O w/Boblat - Brown subgrade, no odor  11:15  AAA off site  12:00  Sligo cont. work tasks  13:00  Sligo cont. work tasks  15:00  Sligo cont. prep work - Placing rebar @ 16" 0/C on blocks - Toint mat/l at perimeter						
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- Installi joint material & columns, perimeter  09:30 AAA on site  09:45 Sligo break work tasks  10:00 AAA begin concrete cut @ TS Generator pad  - Road Saw @ exist. cut line  - Cut NW corner @ 45°  - Welthing blade continuously w/HZO  - No visible dust  10:15 BBL conduct Air monitoring  - MIE # PDM-3 -> 0.05 mg/m³  Sligo resume work tasks  10:45 AAA finish concrete cut @ TS Generator  - Clean cut, NW corner @ 45°  - Place concrete debris in R/O w/BobCat  - Brown subgrade, no ador  11:15 AAA off site  12:00 Sligo continue prep work @ TS central  13:00 Sligo continue prep work  - Placing rehar @ 16" 0/c on blocks  - Toint mat/l at perimeter	00150	- Répar nats @ 16" OIC	Each wa	<u>/</u>		
09:45 Sligo break work tasks  10:00 AAA begin concrete cut @ 75 Generator pad  - Road Saw @ exist. cut line  - Cut NW corner @ 45°  - We thing blade continuously w/HZO  - NO Visible dust  10:15 BBL conduct Air monitoring  - MIE #PDM-3 -> 0.05 mg/m³  Sligo resume work tasks  10:45 AAA finish concrete cut @ 75 Generator  - Clean cut, NW comes & 45°  - Place concrete debris m R/O w/Bob(at  - Brown subgrade, no ador  11:15 AAA off site  12:00 Sligo continue prep work @ TS central  13:00 Sligo continue prep work  - Placing rebar @ 16" 0/c on blocks  - Joint mat/l at perimeter		- Rebar on block chairs - Install joint material	over poly	vapor	barrier	- r
10:00 AAA begin concrete cut @ 75 Generator pad  - Road Saw @ Exist cut line  - Cut NW corner @ 45°  - We thing blade continuously w/HZO  - No visible dust  10:15 BBL conduct Air monitoring  - MIE # PDM-3 - 0.05 mg/m³  Sligo resume work tasks  10:45 AAA finish concrete cut @ 75 Generator  - Clean cut, NW comer @ 45°  - Rlace concrete debris in R/O w/Bob/at  - Brown subgrade, no ador  11:15 AAA off site  12:00 Sligo continue prep work @ 75 central  15:00 Sligo cont. work tasks  1000 Sligo cont. prep work  - Placing repar @ 16" o/C on blocks  - Toin 4 mat/l at perimeter	09;30					
- Rad Saw @ Exist. cut line - Cut NW corner @ 45°  - We thing blade continuously w/HZO - No visible dust  - MIE # PDM-3 - 0.05 mg/m³  - Sligo resume work tasks  - Clean cut, NW come & 45° - Clean cut, NW come & 45° - Place concrete debris in R/O w/BobCat - Brown subgrade, no odor  - Brown subgrade, no odor  - Brown subgrade, no odor  - Sligo continue prep work @ TS central  - Isioo Sligo cont. work tasks  - Placing rebar @ 16" 0/C on blocks - Toint mat/l at perimeter	09:45	Sligo break work tasks				
- Cut NW corner @ 45°  - Welting blade continuously w/HZO  - NO visible dust  - MIE # PDM-3 -> 0.05 mg/m³  - Sligo resume work tasks  - Clean cut, NW comer & 45°  - Place concrete debris in R/O w/Boblat  - Brown subgrade, no odor	10:00	AAA begin concrete cut	075	GENER	ator po	ad
- Wetting blade continuously w/HZO - No visible dust  - MIE # PDM-3 - 0.05 mg/m³  - Sligo resume work tasks  - Clean cut, NW come & 45°  - Place concrete debris m R/O w/Bob(at - Brown subgrade, no odor		- Road Saw @ Exist. CUT - Cut NW corner @ 45	1/ne 0			
10:15 BBL conduct Air monitoring  - MIE # PDM-3 - 0:05 mg/m³  Sligo resume work tasks  10:45 AAA finish concrete cut @ TS Generator  - Clean cut, NW comer & 45°  - Place concrete debris in R/O w/Bob(at)  - Brown subgrade, no odor  11:15 AAA off site  12:00 Sligo continue prep work @ TS central  15:00 Sligo cont. work tasks  15:00 Sligo cont. prep work  - Placing rebar @ 16" 0/C on blocks  - Joint mat/1 at perimeter		- WEHING blade contin		1/HZC		
Sligo resume work tasks  10:45 AAA finish concrete cut @ TS Generator  - Clean cut, NW comer & 45°  - Place concrete debris in R/O w/ Bob(at  - Brown subgrade, no odor  11:15 AAA off site  12:00 Sligo continue prep work @ TS central  13:00 Sligo cont. work tasks  10:00 Sligo cont. prep work  - Placing rebar @ 16" 0/c on blocks  - Joint mat/1 at perimeter					The second secon	-
Sligo resume work tasks  10:45 AAA finish concrete cut @ TS Generator  - Clean cut, NW comer & 45°  - Place concrete debris in R/O w/ Bob(at  - Brown subgrade, no odor  11:15 AAA off site  12:00 Sligo continue prep work @ TS central  13:00 Sligo cont. work tasks  Dioo Sligo cont. prep work  - Placing rebar @ 16" O/C on blocks  - Joint mat/l at perimeter	103/15	- MIE # PDM-3 → 0.05	$\frac{V \ln g}{5 mg/m^3}$			
- Clean cut, NW comer & 45°  - Place concrete debris in R/O w/BobCat  - Brown subgrade, no odor  11:15 AAA off site  12:00 Sligo continue prep work @ TS central  13:00 Sligo cont. work tasks  - Placing rebar @ 16" O/C on blocks  - Joint mat/l at perimeter						
+ Place concrete debris in R/O w/BobCat  - Brown subgrade, no odor  11:15 AAA off site  i2:00 Sligo continue prep work @ TS central  13:00 Sligo cont. work tasks  - Placing rebar @ 16" O/C on blocks  - Joint mat/l at perimeter	10:45		1 1 1 1	Genera	rtor	
- Brown subgrade, no odor  11:15 AAA off site  12:00 Sligo continue prep work @ TS central  13:00 Sligo cont. work tasks  - Placing rebar @ 16" O/C on blocks  - Joint mat'l at perimeter		- Place concrete debris in	75° R/O W	1 Bob Co	a7	
iz:00 Sligo continue prep work @ TS central  13:00 Sligo cont. work tasks  Sligo cont. prep work  - Placing rebor @ 16" O/C on blocks  - Joint mat/l at perimeter		- Brown subgrade, no oa	1 1 1 1 1			
13:00 Sligo cont. Work tasks  Sligo cont. prep work  - Placing rebor @ 16" O/C on blocks  - Joint mat/l at perimeter	11:15	AAA off site				
- Placing rebor @ 16" O/C on blocks  - Joint mat/l at perimeter	i2:00	Sligo continue prep wor	k 0 75	centr	al	
- Placing rebox @ 16" O/C on blocks - Joint mat/l at perimeter	13:00	Sligo cont. work tasks				
- Placing rebox @ 16" O/C on blocks - Joint mat/l at perimeter	00	Sligo cont. pren work				
		- Placing vebar @ 16" 0/C	on blocks	<b>&gt;</b>		
			767			



SUBJECT	•	PROJ. NO.	ВУ	DATE 9/25	SHEET
CS. BY	; DATE	CHECKED BY	;	DATE	
					1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
15:00	Sligo cont. prep activ	ities			
15:45	Sligo begin cutting T	D headwall	I w/de	mo sau	1
			'		
	- Cut backm3"/Cut d - Wetting blade contir	own 25"	70	-	
	- No visible dust	1000319 27 71			
16100	BBL perform Air mor	11101	TO THE PROPERTY OF THE PROPERT		
	TOS = 0.20 mg/r				
	Sligo break work tas	sk .			
15 15					
10/13	Sligo resume cutting				111111111111111111111111111111111111111
16:30	5/190 finish activities	5/clean u	p work	anto	<b>1</b>
	Oligo off site				
17:00	BBL off site				
			Management of the control of the con		H H H H H H H H H H H H H H H H H H H
				1	i i i i i i i i i i i i i i i i i i i
			Topks III		



SUBJECT	73	PROJ. NO.	BY	DATE SHEET 9/26
			<u> </u>	
.CS. BY _	; DATE	CHECKED BY	;	DATE
			Tuesdo	ay
			Cloud	4
			7550	
07:00	BBL on site			
	Sligo on site			
D7: 30	Safety Meeting			
	Equipment: 5/190		(+/-//-)	
	Hand too		Bobcat	
	R/O: (1) Non Aaz 3	0 CY 1/2	full	
	Site Observations:			
	Sire observations.			
	-TD headwall ledge	- cut		
	- Forms removed @ T			
	- Isolation joint mate Poly, rebar, joint mat		1 1 1	1 1 1
	- TS Generator pad Cu	t + joint mat	In pla	C (5)
	- Baker Tank to be san	npled		
08:30	Sligo crew placing v		a 3	
00.00	Sligo crew placing r " crew removing c	1 1 1 1 1 1		wall
	" crew placing do	wels @ TD		0 16" O/C
00/23				
09:30	Sligo break work t	asks		
09:50	Sligo resume work	tasks		
10130	Sligo continue work	tasks abou	<b>E</b>	
11:00	BBL collect 3) wipe sai	m/ES (PCBS) for	on Ba	Ker Tank



SUBJECT			PROJ. NO.	BY	DATE 9/26	SHEET
LCS. BY	; DATE	CHE	ECKED BY	;	DATE	
					,	
11:30	Dowels set @ TD w	ja][→	Need	grout /	nortar	
	Rebar in place Area	3 -	130%	3		Thispire desired agreements
12:00	Sligo break for lun	nch				
13:00	5/190 resume work	. tas	ks			
Telline version of the second	- Laser elevation T	Dwa	11 form	s from	, MS	Ploor
	- Set forms @ TO Anchor angle mon a - Anchor plywood form	wall	top of	forms	w/nail	5
					gun	
00	Sligo cont. work on			ms		
	Cont. place rebar 6					
14:45	Sligo clean up work	ane	<b>a</b>		in the second se	
15100	Sligo off site	To the same of				
	BBL walk Area Z	for	concre	E pa	olace	
	- Forms in place	1 9 1				
16:∞	BBC off site					
		1				
		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				



engineers & scientist	·				
SUBJECT		PROJ. NO.	BY	DATE SHEET	T
CS. BY	; DATE	CHECKED BY	;	DATE	
			Wedr	nesday ny of	100
			SUNI	0/2	<u> </u>
07:00	BBL on site Sligo on site				
	Safety Meeting				
	Equipment: Sligo Hand to Demo =	x   S			
	R/O: (1) Non Haz 3	0 cy n	1/2 fi	oll	
	SITE Observations:				
	- Forms + angle from in	place @ T	1) wal	7	
	- Forms + angle Iron in -MS Area to be toppe	d			
	- Forms, rebar, joints in	place (a)	neu Z		_
	- Forms, rebar, joints in - Rebar, forms, joints - Formwork in place & - Pipe thench to be pour	Pipe trench	rea S		
	- Hipe thench to be poun	=0			
07:30	Concrete jump truck o	on site			
08:00	Bonded Truck #1 on .	site - 10	CY		
	Sligo prep tools + wo	rk anta			
08:15	SMT on site - Test	t batch			
	Collect (6) cylinders TEM	0 = 70° F			
	Slump	, = 4"			
	Air	= 5.1%			



engineers & scientists					
SUBJECT		PROJ. NO.	BY	DATE, 9/27	SHEET
LCS. BY	; DATE CH	ECKED BY		; DATE	
			:		
08:30	Bonded truck #2 on si	h 10	<i>C U</i>		
O9:15	Bonded Truck #3 on site	- 10	CY		
09:30	Bonded Truek #4 on sit	= -/0	CY		
10:30	Bonded Truck #5 on sit		3 C Y		
10:45	IN wall @ stairwell near	orm BB	L of	crack TS	2
	- Rvw wall w/5/190 -> N	eed to r	epair		
00	SMT off site				
	Pour complete @ 75 Ar	G7 7			
	- Concrete: power screed	1 + 6011	float	40	
	- Slope floor to match ex				
11:15	NMPC repair love power		SNE		_
	Sligo broak work tasks				
W . 20					
[11;30	Concrete pump off site				
11:45	Sligo begin trowel Edges,	perime	ter		
	Continue placing nebar a	J TS Ar	5a 3		
17.00					
[3:00	Sligo break for lunch				
13:30	Sligo resume work tas	sks			
<del>                                     </del>		<del></del>			



SUBJECT		PROJ. NO.	ВУ	DATE SHEET 9/27
LCS. BY	; DATE CHE	ECKED BY	;	DATE
		:		
(3145	Sligo begin power float			2 :
	Crew placing rebar @	TS Area	3	
	+ 1/m 00 - 11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			
	* NMPC collect sediment Baker Tank for disposal	chorac	teriza	Fion
	X NMPC submit sediment			
	Adirondack Lab for the	inalysis		
15:00	Sligo cont. power float 7	5 ArEa	2	
,3130	Sligo placing + anchor dowe	ls along	7D a	val/
16:30	Sligo finish power Aoat			
17:00		Area Z		
18:00				
	Sligo finish power trowe	alvera per co		
19:00	Sligo saucut control jour	nts &	column	ines
20:00	Sligo apply curing compo	ound @	15 A	rea 2
21:00	Sligo off site			
	BBZ off site			



ngineers & scienti	sts			
SUBJECT		PROJ. NO.	BY	DATE SHEET 9/28
.CS. BY	; DATE C	HECKED BY	;	DATE
			Thur Cloud N550	sday
07:00	BBL on site			
	Sligo on site Safety Meeting			
	Equipment; Sligo Hand tools Finish tool			
	Site Observations;			
	- TD wall formed + angle - Angle iron to be placed & - Fans blowing - ventilating	Iron in  3 Pipe tri	place ench N	o. side
	- Concrete + control joints + - Poly, rebar, joint mat'l in pla - Trash + debris @ outside a	cure con ace (a) Are one, pad	npound	@ TSArea Z
	- TD ladders staged @ " - PPE signs at entrances +			
08:00	Sligo placing angle iron @	1	1/0 6	-nd
<b>φ</b> ;ω	Crew placing dowels + reb		700. 6	
jo:00	Sligo placing angle iron @ - Width = nominal 15,5" - Placing joint mat 1 + re			



SUBJECT			PROJ. NO.	BY	DATE 9/28	SHEET
.CS. BY	; DATE	CHE	ECKED BY	;	DATE	
11:00	Sligo Finish inst	all angle	mon @1	PT		
	Sligo forming +	placing 6	pollard 5	CEVE:	sat	:
	TD perimete - No. and = 5'0	=			in the state of th	
	$-No. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	" spacing	OC			!
	- East = 5'10	" spacing	ÓC			
11:30	Sligo offsite					
	Tasks to be comp	leted be	fore pour	tomo	rrous	
	- Remove forms (	bulkhead	1		a special contract of the spec	
	- Place joint ma					
	- Place bloks unde	er ve bar	@ mid si	oan		
	- Place bollard st	eaves @ 7	nek doc	K		
	- Shim PT forms					
	- Place joint mat'	1 @ PT				1
	- Place bond mat					
15:00	BBL off site					
15100						
-						<u> </u>
				100		
				1 1100		
						-
				1		
;						1
					<u> </u>	



SUBJECT		PROJ. NO.	BY	DATE 9/29	SHEET
CS. BY	; DATE	CHECKED BY		; DATE	
			Frida	y	
			Sunn ~55°	16	
07:00	BBL on site				
	Sligo on site				
	Safety Meeting				
07:15	Concrete Pump Truc	ck on site			
	Equipment: 51				
	Hand	tools			
		, 10012			
	Site Observations:				
	- Poly, repar joint ma - Angle iron, bollard slee	tl in place	= @ TS	S Area.	3
	- Iron rebar in place - Cure compound on concr	0 Pipe Tre	nch	7	
	- PPE signage up @	TS 015	then 2		
08:00	SMT on site				
	Bonded concrete T	nck # 1	<i>→</i> 12	L CY	
	- 4,000 PSI, 3" slun	np			
	SMT collect field so - Slump = 3" off tru	imple @ En	d of	omp	
	- Temp = 72°		ect (6	) cylina	ders
	- Air = 6%	4.5"			
	- Slump (off pump) =	7, )			THE RESERVE OF THE PROPERTY OF



SUBJECT		PROJ. NO.	ВУ	DATE 9/29	SHEET
CS. BY; DATE	CH	HECKED BY	;	DATE	
09:00 Bonded 71	udl #2 on s	150 ->	12 CY		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
10:00 Bonded #	3 on site -	> 120)			
10:30 Bonded #	1 on site -	= /ZC	Y		
12:00 Bonded +	5 on site -	→ 2 C	У		
Sligo powe	-screed, bul	I Float,	trous	ledg	·ES
13:00 Break for	lunch				
- Trowel e	dges + perime	A5-			
15:00 Continue	inishing task				
16:00 Sligo bre	k work task	ا ع			
16:30 Clean up	work ansa (to	ols, mate	rials,	debru	s)
17:00 Sligo pow	or float & tro	wel To	Ans	23	
19100 BEGIN SAU	cutting contr	ol joint	3 @ C	ol. lin	ES
ZO:00 Apply cvri	g compound t	0 FS 1	Aroa 3	3	
21:00 Sligo off	site				
• BBC off	site				1
				was a constant of the constant	



angineers & scientis	75			
SUBJECT		PROJ. NO.	BY	DATE / SHEET
CS. BY_	; DATE	CHECKED BY	·	DATE
			Mona	lay
			5cm	
			265	, /-
13:00	BBL on site			
	Sligo on site			
	Safety Meeting			
	Site Observations:			
	- TS Area 3; poured, cui Se place - TD Walls; Angle Iron, l - Pipe Trench; Poured, inc - TS stairwell wall crae,	re compand,	control	joints, in
	& place			
	- 10 Walls: Angle Iron, 1	pollard sleeve	s, torm	s in place
	- Pipe Inonch; Pound, in	on, forms in	place	
	- 75 stairwell wall crae	k to be rep	ained	
	Concrete test cylinder	removed	7 0/1	$T \sqcup \sqcup \sqcup$
	- Solite staged outside	TS near 07	TF L	
	- TO sump arate to be	nstalled		
	- Ms area to be preposed +	ed + topping		
	- Baker Tank cleaned+	Deland		
	Egypment: None	on site		
	211			
	RO: (1) Non Haz	30 CY .	1/2 f	
			1.	
14:00	Sligo removing isolati	00 /01 + 00	25 @	TS
11/00	Singe removing isolati	on joint ca	05 9	
15:00	BBI 1 1 4 1 4			
15100	BBL conduct site wa	ur review	, , , ,	
	- Record areas of green	jura cover i	over s	717E
	Trax tigure to Chuc	k cruest (BB	4)	
16:30	Sligo off site			
17:00	BBC off site			



SUBJECT	·	PROJ. NO.	BY DATE SHEET /0/3
S. BY_	; DATE	CHECKED BY	; DATE
			TUESday Cloudy ~60°F
07:00	BBL on site		
0e;00	- Pipe Trench: R - Truck Dock: Ren - TD Sump: Inst - TS wall @ stall - MS grea to be - VHWSS: Pour I	red, sealed, contillant to be applied emove forms	ned ng system staged outside
	- BBL review no - NEED to comple	Emalining items "	0/5/100
08-30	Sligo off site	raig (Sligo) -> Ren rail message	
		TAA (Mike P.) plete tasks this	WEEK
10:00	BBL perform s	ite suney for IR	M soil borngs
930	BBL off site		



SUBJECT		PROJ. NO.	BY DATE SHEET
CS. BY	; DATE	CHECKED BY	; DATE
			Friday Rain N550 F
	on site		
	ipment on site:	DECarne	ad Baker Tank
	D: (1) Non Haz	Sligo h	and tools
Sit	e Observations: S Area to be deane		/
- 7 - 7	D angle iron forms in II II -> grind	nemoved down screw concrete	v heads
	TD stairs/ladders to Pipe trench -> pipes L-> Fill PT?	olds w/ mor be replace removed pe	=d
	solation joints to be S stairwell & crack to loids to be filled @	be repaired 15 floor pe	rimeter
-7	Inish control joint @ D sump grate to E go crew removing	e installe	d
-	Pipe trench	<b>,</b> , , , , , , , , , , , , , , , , , ,	



engineers & scientis	· s				
SUBJECT		PROJ. NO.	BY	DATE 10/6	SHEET
CS. BY _	; DATE	CHECKED BY		DATE	
09/30	BBC talk w/ Barb Z. (	IMPC)			
	- Ruw remaining sched				
	- Discuss pipe trench - Baker Tank wipe sa	\	11/2 -		
	· NM-Baker - VW1 =	1.9 mg/1	100 cm2	2	
	VWZ = VW3 =		//		
	-> Fax wipe results ->	AAA			
10:00	BBL speak w/ J. McNo		100		
	- Remove pipes a fr - Mike Clark inspecte	ed pipes	OK IT	Innac.	カッミ
	BBL review schedule				
:	- Friday = Prep + clean.	joints			
	- Mon + Tues = All join	its w/ sea	Jant.		
	- Mon + Tues = Topping - Wed = Clean + Del	Nob → 51(	<i></i>		
	- Wed = AAA reston	SUST /B		10 / Cu	~. ch
		+ DEMOK			
10:30	Sligo off site				
	MCJ to contact J. N	lorgan ->	Pipe t	nench	
30	Sligo back on site				
	- Cleaning out pipe +	rench			
			:		



SUBJECT		PROJ. NO. BY	DATE SHEET
S. BY_	; DATE	CHECKED BY	; DATE
12:30	Sligo off site		
	BBC call Baker Tar L> Rochester (716)	436-6090 1'-610Z Fax	246
14:00	Wipe sample result		
14130	BBL contact AAA		
	- Review schedule Work tasks -> Schedule as pro	for ampleting	Eremaining
15:30	BBC off site		



SUBJECT		PROJ. NO.	BY	DATE / 9	SHEET
CS. BY	; DATE	CHECKED BY	;	DATE	
			Monda Sun v 40°	14	
08:30	BBL on site  Sligo on site  Safety Meeting  Equipment: Han Ba  R/O: (1) Non Haz				
	SITE ODSERVATIONS;  - MS area to be clear  - TD wall / TS floor jo  - Grind protrusions;  - Pipe Trench plates to  - Isolation joints to  - Finish sawcut contre  - TD sump grate to be  - TS wall crack to be  - VITWSS to be rest	ned + toppe pints to be fill voids to be repla be sealed plipint @ S placed repained	finishe ced	=A	
07:00	Sligo cleaning + prep	btain joint	sealar	7 100 100 100 100 100 100 100 100 100 10	S
-	Kevin back on site  Joint sealant = S  - (1) case = (20) 20	<sup>2</sup>		ngEs	



SUBJECT		PROJ. NO	D. BY	DATE SHEET
S. BY	; DATE	CHECKED B	Υ	; DATE
11:00	Sligo begin place	sing joint sea	alant	
	- Sikaflex to - Need to hea to applica	o cold, wont.	sortad 5	prior
12:00	Sligo break to	or lunch		
13:00	5ligo back on			
	- Crew cleaning dele - Brushing dele - 200 attenut to -> Sealant	xds & dust, a	collect w	/HEPA Vac Had evenly
14:00	Sligo off site			
14:30	BBL review 511 WELL locations	te for soil bo	ring + M	ionitoring
16:30	BBL off site			
•				



SUBJECT		PROJ. NO.	BY DATE SHEET
CS. BY	; DATE	CHECKED BY	DATE
			Tuesday Cloudy ~40°F
07:co	BBL on site Site Observations:		
	- Finish clean/prej - Cirind screw head - Patch voids @ 7 - OfH door will not - Restore pipe tre	15 @ 11) angle TO wall close -> corner	
	- Install joint sea - 75 wall crack to - VAWSS to be no - Voids @ col. pads	lant over isolation be repaired	
08:00	AAA on site Sligo on site Satety Meeting BBL review work		PA + 51190
	AITA VHWSS restore Repair TS wall cra Bollard sleeve @ TD	ck Clean low	joint scalant ep MS area fopping @ MS
	Sligo cleaning/projections of stalling join		

. .



SUBJECT		PROJ. NO.	ВҮ	DATE 10/10	SHEET
CS. BY	; DATE CHE	ECKED BY	;	DATE	
/4 ,					
	nequest to use self	able su			+
	forming berm wall	@ VH			
<b>\$</b>	patching voids @ colo			ssalan	+
- Ren	cleaning / prep MS ar noving dust / debris w/ ling voids a perimeter	vacuum			
	Installing SELF-level	joint si	=alani	1 @ TS	5
	nesume work tasks nstalling joint sealant leaning MS area	· @ MS			
14:30 Slige - D	ayton Superior Levelay	@ MS Er Bonz	ansa d (J-	42)	
5:30 Sliga	off site				and the same of th
6145 BBL	off site				



SUBJECT	PROJ. NO.	BY	DATE, SHE	EET
CS. BY; DATE	CHECKED BY	<u> </u>	<del></del>	
JOS. BI		NEdne	sday	
		Sun/C	louds F	
07:00 BBL on 51te				
Sligo on Bits				
Safety Meet,	$\mathcal{I}$			
Site Observa				
- Crack in Ts	pplied @ MS Anea wall partially rep	air=		
- Steel plates	reinstalled & pipe t sealant partially i loes not appear to he VHWSS bern wall	e trer	ich ed	
- Dowels set & - Forms partial	VHWSS bern wall y set w/I-beam bro	2005	ins into le	OINT
Equipment:	Hand tools, concre	te mix	er	
Tasks to Do:	S at edges near f	7/00r		
- REpair crack	un wall @ 75 stainws Clex 1a + tool @ join	-//		
- Install grate	a TD sump	<u> </u>		-
- REmove conci	ete @ TD O/H door pour concrete @ VH	WSS		
100 AAA on site				
BBC review	work tasks w/ AAF	7 + 5/	190	



SUBJECT		PROJ. NO.	DATE SHEET
CS. BY _	; DATE	CHECKED BY	; DATE
06:30	Sligo installing		
09:30	AAA placing for Sligo install stee		
	AAA pour concrei	beam braces	
	- Concrete mix = - Finish w/ trowsl - Rebar installed	(7) 60 lb. Quikrete	+ HZO
Č.	Sligo pour topping		5
	AAA repairing cr	ack in wall @ 75	S stairwell
11:15	AAA off site	5 enclosure	
12100	Sliga cont. pour s		rea
[2:00] [3:15]	Sligo break for Sligo resume pour		ceatro casa
14100	Sligo pour toppina		
	Sligo run out of	topping + joint ma	terial
4:30	Sligo off site		
16:00	BBL off site		



engineers & sciei	fists				
SUBJECT		PROJ. NO.	BY	DATE 10/12	SHEET
CS. BY	; DATE	CHECKED BY	;	DATE	
				sday	
			Sun ~65	0/-	
07:00	BBL on site				
	Sligo on site				
	Satisfy Mesting				
	Site Observations:				
	- Topping installed over	~ 2/3 A	15 an=	a	
	- Steel plate installed a - (50)-50 15. bags Levela	ier toppin	ra use	d	
	- (50)-50 15. bags Levela - 1 case (20) Sikaflex / 1 ( - Crack @ 75 stairwell rex	rase (20) 5	sika 1.	SL US	$\epsilon d$
	- Settle crack remains				
	- Pipe trench complete w - Isolation joints need so	alant in	stalled	<u> </u>	
	- Grate to be installed a - Concrete poured a VHW	D TD SUM	np		
2000					
08:00	14evin (Sligo) on site				
	Sligo begin pouring toppi	ng @ MS	Š		
08130	BBL talk w/ Craig (Slig	o) re: Que	antitie	3	
	- MS topping quant mor	than sp	DEC		
	- Sligo to leave bags or	n site, B	BL WI	llveri	Fy
09:00	AAA on site			3 1	
-	-> M. Pickering has ord	ered Bak	erTan	PICK	cp



SUBJECT		PROJ. NO. BY	DATE SHEET
CS. BY	; DATE	CHECKED BY	, DATE
09:30	Sligo Finish pouring	M5 an=a	
	) -> 65 - (50 lb) bag	s of topping vs	ed X
10:00	Nations Rent delive	ers Genie Lif	t → AAA
	- Lift used to acces	ss upper enclos	sun=
	Sligo begin instal		
//;co /	AAA removing TS	enclosure w/Go	Enie Lift
	Sligo installing joint	scalant (a) TD	
	Sligo install steel		clion sump
12,00	AAA break for lur	rch	
	5/190 4 11 11		
13:00		tasks	
	900		
14:30	AAA off site		
	5/190 " "		
15:60	BBL review documen	ts -> Closine Re	pert
16:45	BBL off site		



				PROJ. NO.	ВҮ	DATE 10/13	SHEET
;	DATE		CI	HECKED BY	;	DATE	
· :				ip .	Fr	Iday	
			:		Sur	2	
					10	50F	
		All and the second			1		
BB1 -	00 51	le					
Site	Obser	ations	3;				
- 115		7					
- Ster	area 7	gopin	g system	n instail	1601 + C	ry	
- Join	- sedlar	ntin	place @	TD 5/0	6		
- Enclo	sure re	moved	@TS				
- Wall	cracke	D 75 0	tairwe//	filled w	/ morte		
					0713		
	5 10 96	, jenc	vea co v	110055			
5/140	on 514	ਣ					
-17-17-1	on site	<b>5</b>					
Sale	Ly ME	Etma					
AAA	motal	6011	ard slee	EVE@N	W corne	r 70	
5/1/2					TO C	<u> </u>	
Oligo	SWEEPL	79/010	zirng dek	oris Trom	10 11	oor	
Sligo	crew 1	nstall	ma join	t seala.	at		
17/7/7	remous	ng Er	nclosure	frame			
AAA	(C=00) (C		lack ad				
11	1650050	= max		y, Iramin → Non H	12 P	6	
		- 7,001	C . (C)	- / //			
ANA	017 =	site	di dipuna				
/ / / /	$ \frac{O11}{1}$ $\frac{1}{1}$ $\frac{1}{1}$	<del>?/ /  ``</del>	<del></del>	<del></del>	<del></del>	<del></del>	
	BBL SITE - MS - Stee - Join; - Encle - Wall - Bolle - Form  Sligo AAA  Sligo AAA  Sligo AAA	BBL on site  Site Observ  MS area of  Steel grate  Joint sealar  Enclosure re  Wall crack e  Bollard slee  Forms to be  Sigo on site  Safety Me  AAA anstatl  Sligo sweep.  Sligo crew in  AAA remove  MAAA remove  " disposi	- MS area topping - Steel grate instit - Joint sealant in - Enclosure removed - Wall crack of TS of - Bolland sleeve to - Forms to be removed  Sligo on site  Safety Meeting AAA material bollo  Sligo sweeping/cle  Sligo crew install  AAA remove air  " dispose mat	BBL on site  Site Observations:  MS area topping syste  Steel grate installed @  Tont sealant in place @  Enclosure removed & TS  Wall crack @ TS stairwell  Bolland sleeve to be me  Forms to be removed @ V  Sligo on site  Safety Meeting  AAA metatl bollard sleeve  Sligo sweeping following del  Sligo crew installing join  AAA remove airlock, pol  " dispose material -	BBL on site  Site Observations:  - MS area topping system install  - Steel grate installed @ TD slor  - Joint sealant in place @ TD slor  - Gulcsure removed @ TS  - Wall crack @ TS otalined ! filled w  - Bollard sleeve to be installed @  - Forms to be removed @ WHWSS  Sligo on site  Safety Meeting  AAA and Meeting  AAA metatl bollard sleeve @ N.  Sligo crew installing joint seala.  AAA removing enclosure frame  AAA remove airlock, poly, frami,  " dispose material -> Non H	BBL on site  Site Observations:  MS area topping system installed + c  Steel grate installed @ TD sump  Joint sealant in place @ TD slab  Enclosure removed @ TS  Wall crack @ TS stairwell filled when the  Bollard sleeve to be metalled @ TD  Forms to be removed @ WtWSS  Sligo on site  Safety Meeting  AAA metall bollard sleeve @ NW corne  Sligo sweeping/cleans debris from TS fli  Sligo crew installing joint sealant  AAA nemoving enclosure frame  AAA remove airlock, poly, froming  " dispose material -> Non Haz 12/1	BBL on site  Site Observations:  MS area topping system installed + dry  Sites grate installed @ TD sump  Joint sediant in place @ TD slab  Enclosure removed @ TS  Wall crack @ TS stairwell tilled w/ mortar  Bollard sleeve to be metalled @ TD  Sigo on site  AAA en site  Safety Meeting  AHI hole,  AAA metatl bollard sleeve @ NW corner TD  Sligo sweeping folgung debris from TS floor  Sligo crew installing joint sealant  AAA remove airlock, poly, framing  " dispose material -> Non Haz RIO



SUBJECT		PROJ. NO.	ВУ	DATE   3 SHEET
CS. BY	; DATE CH	ECKED BY	· ;	DATE
10:00	Sligo installing joint se	alant	1	
10/30	NMPC personnel move steel - Decking appears to fi	l bridge t neath	into	70
	Sligo break - Kevin off.			
11:00	Nations Rent pickup (AAF			1415
	BBL perform site survey		oarkin	9 10+
30	Sligo continue work task - Install joint scalart - Cleanup + remove mat			
14:00	Sligo off site		:	
15100	BBC off site			
-				
-				



SUBJECT	Ists		:									Ta . == -	
SUBJECT								PRO	DJ. NO,		SY .	DATE / CO	SHEET
S. BY		; DA	ΤΕ				CH	HECKI	ED BY			; DATE _	
										/	Jon o	lay	
			and the second s						i	/	29111 150	OF.	
				THE RESERVE OF THE PERSON OF T							150		
08:00	BBL	con s	5/1/2				and some a vector promotery and a second processor and a second proc						
00 00						1							
	Slige	on,	site			# A A A A A A A A A A A A A A A A A A A			Topic to the control of the control		1		
	Safe	A n	1000	700							-		
			1007	11 19									
	Site	Obsi	ena	tor	J:								To a series of the series of t
				F. (/_		2 00	1						
	- 5t	oping Eel p	Vate	hol	t he	ads	15 A	are	=a	mo	v=d		
		llard											
	+Bc	Mard	ین کی	fen	cing	10	be	in	sta	lled	10	TD ar	Ea
	Jo	ints	eala	nt 7	0 6	EIN	151	2/16	Ed C	ひ / ナ	S = f	1	
	士劳	lad	ders	70	be	ME!	ns	tali	=	/	0.310	sel do	=CF
	+ 00	tside	TD	tre	nch	dre	210	ar	atir	ng H	obe	repla	rced
	+ Fir	al de	Eanin	9,5	HE.	rest	ora	tion	$\sqrt{D}$	=Mo	0 40	be con	npleted
	Slice	o ins	- +~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		sc-al	ant				16	1/2	-	
	119	7 17 13	S I CALL	9	1	1		JV P	CONC	1 (3)		7	
	+ F,,	ling	void	5 @	150	latio	7	1011	$\gamma ts$	NE	ar u	salls	
n/1 20	<1				-/	1	44.4			7			
09:30	71190	off	5778	70	$\frac{\delta}{ }$	STAIR		<u>rai</u>	Eric	215			
10:00	Sligo	res	ome	W	ork	tas	sk.	2			:		
	+ Re	move	= and	char	60	1+1	i Ea	ds	(a)	MS	sta	el pl	ate
		move											
				-	+								
		i a											
	Water Control of Marie								+				



SUBJECT		PROJ. NO.	BY	DATE . SHEET
				DATE 10 SHEET
S. BY _	; DATE	CHECKED BY	;	DATE
10:00	BBL talk w/AAA (Picki	ring) -> Out.	standin	g Work Task
	- Review work tasks to - Fax punchlist of task	be complete	ed w/	Pickering
10:30	- Stan to be on site BBL contact Sligo (Cr	today		
	- Review work tasks	w/ Craia		
	- Crew + materials to	be on si	te ton	orrow
11:00	Sligo off site			
	BBL talk w/NMPC (	Barb Z.) →	Work	Tasks
	- TD fencing to be i			
	- TD steel deck: Led	ge plate to	be u	elded
	- TD ladders to be re - Cleanup & remove de	sinstalled	s1/e	
11145	Baker Tank pick-up			site
12:45	AAA on site			
	BBL review work toust	es w/Dave	(AAP	)
	AAA remove lumber	from stag	ing a	rea
	AAA nemove forms @	VHWSS be	Erm u	vall
14515	AAA Off site			
14:30- 17:00	BBL off site supplied	is for ring	itë Sar	ples



SUBJECT		PF	ROJ. NO.	ВУ	DATE SHEET
CS. BY_	: DATE	CHECK	KED BY		DATE
				Tuesd	ay
				Clouds	1'
07:00	BBL on site				
	Site Observations:				
	-MS floor surface	to be sm	roothed	<b>/</b>	
	- Bollard sleeve @	TD to be	installe	=d	
	- Isolation joints to	ean (remove	pipes	-> R/C	)
	- Baker Tank off = - Debris + material.	3/72=	, and	La L	
	Deoris + maierial.	5 3746 64 00	7731016		
07:45	BBL walk / review	1 51t= w/1	VMPC	Barb	Z,)
	-NMPC to obtain .	additional	pollar	ds	
	- NMPC to install	10dge plate	= for 7	D ste	el deck
	- AAA to replace - TO ladders sta	= 0/14 doo.			
	- AAA to reinsti	all exist. T	rench o	drain c	grating
08:30	BBL talk w/ 5/10 - Craw will be k		AM		
				//////	
091:00	BBL collect rins - Collect PCB, VOC,				
	<i>i i i i i i i i i i</i>	" " "	(1)	11	Eastan
$\bigcirc \infty$	AAA on site			1	
	-1 man/1 Truck,	1 -1 1 1 1 1			
	- Remove lumber	from stac	ging ar	Ea	



SUBJECT		PROJ. NO.	ВУ	DATE, 10/17	SHEET
CS. BY _	; DATE	CHECKED BY	<u> </u>	DATE	
/0 ;co	NMPC weld ledge pla				
10:15	BBC talk w/M. Picked - NEED tools for site	ring (AAA) clean up t	DEMOR	2	
10:30	AAA off site				
11:30	· Comp	asks w/ Kc Ul bollards; lete isolation up debris r	leeve loints	ials	
[2:00	AAA on site - BBI review work too Replace TD la . Remove mat'l,	dder		>i)-e	
12130	Sligo installing bollar	d sleeve @	70		
	Sligo installing joint AAA clean up, ren	sealant @	TS		
[3:30	AAA Off site				
14:00	Sligo off site				
/4.30	BBL collect rinsate	samples @	VHLVS	55	
17:e0	AAIA back on site - Remove concrete + 0	lebris from	yard -	> R/0	
18:00-	AAA off site BBL off site				



SUBJECT		PROJ. NO.	ВУ	DATE: 10/18	SHEET .
CS. BY	; DATE	CHECKED BY	;	DATE	
			Nedn Rain 1520	esda F	7
<u>v7:00</u>	BBL on site				
	Site Observations:  - MS area topping in  - Steel plate in place	over M5 V	oid		
	- Boiland sleeve + bol - Safety Tape install - Ledge plate in place - Joint sealant installe	lard installe	TD (10	r bridg	)e)
	- TS Floor clear of ma - TD O/H door stick of - Wood board in places of - Mat'/ + debris clears	ths + debri	S Linform Ench dra	J.MC/	úmer
	- Yurd generally clean - (NB) Cy of Solite L - Baker Tank re-moved	- debris ren WA @ stag.	noved incoare	2	
	- Parratt wolf De Con pa R/O: (1) Non. Haz	30 CY -	ry II	=4	
C8:30	BBL contact Sligo (Kev: - Sligo will be on si		2		
09:00	BBL pack rinsate sa			? <b>&gt;</b>	
14:00	BBL review project d			Barb	Z +
15:00	BBC off site				- 1 1 3

# Appendix C - Tank Inspection Report

BLASLAND, BOUCK & LEE, INC. engineers & scientists



# Quality Inspection Services, Inc.

186 Warwick Ave. • P.O. Box 732 • Buffalo, New York 14215-0732 (716) 836-0131 • Fax (716) 836-9608

Mr. Brian McKinsley Blasland Bouck-Lee 6723 Towpath Rd. P.O. Box 66 Syracuse,NY 13214

February 23 2000

Dear: Mr. McKinsley,

During the week of 2/14/00 an external / internal inspection was performed at Niagara Mohawk plant on the storage tank, CBS # 373-01. The vessel's capacity is 10,000 gallons. The inspection was conducted with the New York State Chemical Bulk Storage Inspection Code (NYSCBS) 6 NYCRR Parts 598 and 599 as the reference. The inspections were done to meet the five- (5) year time interval requirement of the NYSCBS.

Using API 653 as an acceptance criterion, the vessel is fit for continued service. The deficiencies, which were discovered during the above-mentioned inspection, are noted on the enclosed "Summary of Findings". The limiting remaining life of years was determined by the 's corrosion rate calculations. The next required inspection per the NYSCBS Code is (5) years (February 13, 2005) from the last date of this inspection.

If you have any questions or comments concerning this inspection, please feel free to contact me at (716) 836-0131

Sincerely,

Quality Inspection Services, Inc.

Shawn Whipple

American Petroleum Institute 653 Inspector

Show Whole

Certificate #3198

File:/summary.wpd

318 North Morrison Street Warren, Pennsylvania 16365 (814) 726-1988 • Fax (814) 726-7850

1322 Space Park, Suite A256 Houston, Texas 77058 (281) 335-7940 • Fax (281) 335-1931



**Sustaining Member** 

P.O. Box 597 Nyack, New York 10960 (914) 645-6463 2659 Edison Avenue Jacksonville, Florida 32204 (904) 387-5959 • Fax (904) 387-5912 East Syracuse, New York 13057 (315) 431-4291 • Fax (315) 431-4292

6730 Myers Road

PMB #309, 4 State Road Media, Pennsylvania 19063 (610) 745-7423

For Job Satisfaction - Think Quality

NCR Number: 373-01-01		
	Equipment Master No.	
Functional Location of Equipment:  Niagara Mohawk	Equipment Master Number:	01
Equipment Description:	1-3/3-	VA
Unknown	•	
Reference Drawing:	<del></del>	
Description of Non Conformance(s):		
1) (500 11) Tank is not wromally anahoused to floor	<del></del>	
1.) (599.11) Tank is not properly anchored to floor. 2.) (599.9) No secondary containment of transfer pumps.	7-77	7-1
3.) (599.13) Complete coating failure to vault containment.		
4.) (599.13) (b) Some damage to piping protective coating		
· ·		
	· · · · · · · · · · · · · · · · · · ·	
	· · · · · · · · · · · · · · · · · · ·	
Inspections Performed By: Shawn Whipple	Title / Level: VT, UT Level II	Date: 2/15/2000
	1	1
List of Attachments:		
Non Conformance Reviewed By: Gary Kieley	Title: Report Development	Date: 2/22/2000
Non Conformance Reviewed By: Gary Kieley	Title: Report Development	Date: 2/22/2000
Non Conformance Reviewed By: Gary Kieley	Title: Report Development	Date: 2/22/2000
Non Conformance Reviewed By: Gary Kieley  Recommended Action(s):	Title: Report Development	Date: 2/22/2000
Non Conformance Reviewed By: Gary Kieley		Date: 2/22/2000
Non Conformance Reviewed By: Gary Kieley  Recommended Action(s):  1.) Provide proper anchor bolts to vessel.  2.) Evaluate and provide secondary containment to transfer polytocompanies.		Date: 2/22/2000
Non Conformance Reviewed By: Gary Kieley  Recommended Action(s):  1.) Provide proper anchor bolts to vessel. 2.) Evaluate and provide secondary containment to transfer page 1.		Date: 2/22/2000
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Non Conformance Reviewed By: Gary Kieley  Recommended Action(s):  1.) Provide proper anchor bolts to vessel.  2.) Evaluate and provide secondary containment to transfer polytocompanies.		Date: 2/22/2000
Recommended Action(s):  1.) Provide proper anchor bolts to vessel.  2.) Evaluate and provide secondary containment to transfer poly.  3.) Clean prime and recoat interior of vault containment.  4.) Evaluate and repair piping protective coating failure.	umps.	Date: 2/22/2000
Recommended Action(s):  1.) Provide proper anchor bolts to vessel.  2.) Evaluate and provide secondary containment to transfer pt 3.) Clean prime and recoat interior of vault containment.  4.) Evaluate and repair piping protective coating failure.		Date: 2/22/2000
Recommended Action(s):  1.) Provide proper anchor bolts to vessel.  2.) Evaluate and provide secondary containment to transfer pt 3.) Clean prime and recoat interior of vault containment.  4.) Evaluate and repair piping protective coating failure.  Restricted Use Till Actions Complete:  Yes No Results Restricted Use Till Actions Complete States Restricted Use Till	umps.	
Recommended Action(s):  1.) Provide proper anchor bolts to vessel.  2.) Evaluate and provide secondary containment to transfer poly.  3.) Clean prime and recoat interior of vault containment.  4.) Evaluate and repair piping protective coating failure.	umps.	Date: 2/22/2000
Recommended Action(s):  1.) Provide proper anchor bolts to vessel.  2.) Evaluate and provide secondary containment to transfer pt 3.) Clean prime and recoat interior of vault containment.  4.) Evaluate and repair piping protective coating failure.  Restricted Use Till Actions Complete:  Yes No Results Restricted Use Till Actions Complete States Restricted Use Till	umps.	
Recommended Action(s):  1.) Provide proper anchor bolts to vessel.  2.) Evaluate and provide secondary containment to transfer pt 3.) Clean prime and recoat interior of vault containment.  4.) Evaluate and repair piping protective coating failure.  Restricted Use Till Actions Complete:  Yes No Results Restricted Use Till Actions Complete States Restricted Use Till	umps.	
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Recommended Action(s):  1.) Provide proper anchor bolts to vessel.  2.) Evaluate and provide secondary containment to transfer pt 3.) Clean prime and recoat interior of vault containment.  4.) Evaluate and repair piping protective coating failure.  Restricted Use Till Actions Complete:  Yes No Resultation Items Completed By:	umps.	Date:
Recommended Action(s):  1.) Provide proper anchor bolts to vessel.  2.) Evaluate and provide secondary containment to transfer pt 3.) Clean prime and recoat interior of vault containment.  4.) Evaluate and repair piping protective coating failure.  Restricted Use Till Actions Complete: Yes No Resultation Items Completed By:	umps.	Date:

# Piping Non Conformance Report Blasland Bouck-Lee

NCR Number:T-737-001		
Functional Location Of Equipment	Equipment Master Number:	
Niagara Mohawk	T-373-01	
Equipment Description: UNKNOWN		
Reference Drawing:		
Description of Non Conformance(s): APPARENT INADEQUATE OR IMPRO	DED GUNDODA	
	d) support spacing approaches or exceeds structural strength at s	innort spacing(s)
Daniel off 1 mm. outside (Des atmense	ay support specing approaches of executa situation survigin in s	apport spassing(s).
		·
	<del></del>	
Inspections Performed By: B.GEE	Title / Level: VT Level II	Date:02/15/2000
Inspections Fertorined By. B.GEE	Title / Level. VI Level II	Date.02/13/2000
List of Attachments:		
T-min. Calculation by:I.WORONIECKI	AutoCAD Drawing: T-373-01 SH1 & SH2	
N 6 6 P : 1P 6 Y		72 00/01/0000
Non Conformance Reviewed By Gary Kie	eley	Date02/21/2000
Recommended Action(s):		
	add appropriate support(s) as necessary for pipe size and locatio	ns.
Description of the second		
Restricted Use Till Actions Complete:	Yes No Resulting Work Order:	
Action Items Completed By:		Date:
Reviewed & Closed By:		Date:
Closed by.		
<b></b>		

# **Minimum Thickness Caiculations**

System Information		
T-373-01 PIPING; APPARENT INAD PIPING BASELINE T-MIN CARBON STEEL	EQUATE OR IMPROPER	SUPPORT
Pipe Size Schedule 40	Total Weight per Foot	Total Weight
Outside Dlameter Wall Thickness Inside Diameter  2.375 0.154 2.067	Pipe Weight 3.65	Total Pipe Weight (lbs)
Insulation Material Insulation Thickness	Insulation Weight (lbs/ft)	Total insulation Weight (lbs)
Fluid Type Fluid Density (lbs/ft3) UNKNOWN 62.43	Fluid Weight (lbs/ft) 1.45479459033	Total Fluid Weight (lbs) 40.734248529241
Bending Moment, M (in-lbs) 6003.23843822813	Addr'i W/ft 0	Additional Weight (lbs)
Pipe Material Corrosion Allowance (mils)  A53F 0.06	Total Weight per foot (lbs/ft) 5.10479459033004	Total Weight (lbs) 142.93424852
Length Between Supports Design Stress Bending Str 28 15000 22		ural tmin (in) 190842410639377
	31.3 Coefficient (Y) Quality Fact	
150	0.4	1 0.07031437125

	_				_
hoveground	Storage	Tank -	Chemical	<b>Bulk Storage</b>	Inspection
-DO TOBLOWING	DIOI ME	T OF TEXT	CHOILLOW.	many protest	, moncenou

Tank LD.:	T-373-01	•
NYSCBS#:	Unknown	
Tank Location:	Niagara Mohawk	
Tank Designation Name:	T-373-01 10,000 Gallons	

	Regulatory Requirements	Com	pliance	Status	Potential Deficiency	Recommended	Implement stion	Comments
		YES	NO	N/A		Implementation Action	Deadline	
. RI	GISTRATION							
1.	Is the tank registered? (596.2)	X						
2.	Is the Registration Certificate posted? (596.2(g))	х						
3.	Is registration information current and correct? (596.2(g))	Х						
4.	Is the tank properly labeled? (596.2(h))	Х						
5.	Spill Prevention report completed and current as per (598.1(k))	х						
U. E	ULK STORAGE							
1.	Does tank comply with NFPA No. 30 Section 2 - 6.6? (598.3)	х						
2.	Are dikes designed to withstand damage and overtopping by 100-year flood? (598.3)	х			V			
3.	Are procedures in place to specify flooding emergency procedures? (NFPA 30).	х	·					
Ш.	SUBSTANCE TRANSFERS			<u> </u>	<u> </u>			
1. a.	Are fill connections mated to prevent mixing of incompatible substances? (598.4(b)(7))	x						
1. b.	Does the owner have written site procedures to prevent deliveries to the wrong tank? (598.4(b)(7))	х						
2.	Are procedures/equipment in-place which prevents mixing of incompatible substances?(598.4(b)(7)	х						
3.	Are fill and dispensing ports properly labeled? (598.4(b)(8).	х						
4.	Are valves properly labeled? (598.4(b)(8))	x						
IV.	FACILITY UPGRADING							
l.a	Have aboveground tanks and pipes been upgraded per (598.5(b))?			x				
1.b	Tank meets design standards set forth in (599.8(a)(b) and (c))?	X						
1.0	Tank bottoms in contact with soil are cathodically protected? (599.8(d))			х				
l.d	Tanks over 5,000 gallons have a manway? (599.8(e)).	X						
l.e	Tanks protected from explosion? (599.8(h)).	x						
1.f.	Tank has high level alarm or overfill protection equipment? (599.17(b)(1)(T)	х						
l g	(599.1/(b)(1)(iii)?	х						
l.h	Valves, couplings and fill lines comply with 599.17 (b)(2)?	x						
1.i.	Tank is protected from vacuum and over pressurization? (599.18)	X	1	_	<u> </u>			

File: PSM0009

# Aboveground Storage Tank - Chemical Bulk Storage Inspection

Tank LD.:	T-373-01	
NYSCBS#:	Unknown	
Tank Location:	Niagara Mohawk	
nk Designation Name:	T-373-01 10.000 Gallons	

	Regulatory Requirements		Compliance Status		Potential Deficiency	Recommended	Implementa tion	Comments	
		YES NO NA		N/A		Implementation Action	Deadline		
IV. I	FACILITY UPGRADING (cont.)								
2.a	Have aboveground piping systems been upgraded per (598.5(b)(2)?			х	-				
2.b	Pipes meet design standards set forth in (599.13(a))?	х							
2.c	Pipes in contact with soil are non- corrodible or cathodically protected as set forth in (599.13(b))?			х					
2.d	Was piping installed in accordance with (599.16)?								
3.	Does AST meet (598.5(b)(3)) per (599.8) or is it closed per (598.10(c))?	х							
4.	Secondary containment meets (598.5(c)) as set forth in (599.9)?	х							
5.	Do transfer stations have containment, which meet (598.5(d)) as set forth in (599.17(c))?	х							
6.	Are pumps and valves protected from leaks using one of the following (598.5(e))?	x							
6.a	Sealless or double seal valves are used?	х							
6.b	Owner has a pump / valve- maintenance program?	х							
6.c	Pumps, valves have secondary containment?	х							
7.	Are water-soluble solids properly warehoused? (598.6(f))			х					
8.	Has the life expectancy of the tank and piping system been established as set forth in (598.7(d)) and (599.13(a))?		х						
V.	INSPECTION OF ABOVEGROUND	SYSTE	MS						
1.	Are daily visual inspections performed as set forth in (598.7(a))?	x							
2.	Are monthly inspections performed as set forth in (598.7(b))?	х							
3.	Are comprehensive annual inspections performed as set forth in (598.7(c))?	х							
4.	Are tanks and pipes checked for structural soundness and wear every 5 years?	х							
5.	Are records maintained on items 2 through 4 above? (598.8)	x							

# Aboveground Storage Tank - Chemical Bulk Storage Inspection

T-373-01 10,000 Gallons

Tank Designation Name:

Are permanently out-of-service

tanks properly closes? (598.10(c))

Tank L.D.:	T-373-01
NYSCBS#:	Unknown
Tank Location:	Niagara Mohawk

Implementa Regulatory Requirements Compliance Status Potential Deficiency Recommended Comments tion Implementation Action Deadline YES NO NA VI. MAINTENANCE / REPAIR Has (598.9(a), (b) or (c)) been met if required Was an internal coating used and if Х so examined as per (598.9(d)) Are above ground tanks and pipes X protected from corrosion? (598.9()) Was rupture disk(s) replaced with new one(s) within the last three (3) X years? (598.9(f)) Vegetation in containment checked  $\mathbf{X}$ per (598.9(g)) Repaired equipment inspected as per X (598.9(h)) VII. CLOSURE Are tanks temporarily out-of-X service? Are temporarily out-of-service tanks X properly closed? (598.10(b)) Are tanks permanently out-of-X service?

 $\mathbf{X}$ 

#### VESSEL EXTERNAL VISUAL

Inspector: Bi

Bill Gee

Equipment ID:

Unknown

Company:

Niagara Mohawk

Vessel ID:

373-01

Date:

2/15/2000

P & ID: N/A

Item	Yes/ CGL	No	N/A	Location	Comments
Other (Explain)	2 3	Х			
31 Corrosion, light surface	2 3	Х			
G2 Corrosion / Pitting - Slight	2 3	х			
33 Corrosion / Pitting - Moderate	. 2 3	Х			
G4 Corrosion / Pitting - Severe	2 3	х			
35 Corrosion / Pitting - Perforations	2 3	Х			
36 Inactive Corrosion, painted over (describe)	2 3	х			
G7 Protective coating / failure	2(3)				Coating is chipped in some areas.
G8 Relief Device Deficiencies (explain)	2 3		х		
G9 Broken gauge or site glass	2 3	Х			
G10 Rupture disk gauge indicating a pressure	2 3		х		
SO Other (explain)	2 3	X			
S1 Support structure deficiencies	2 3	Х	1		
S2 Defective anchor bolts	2 3		Х		Not bolted to carbon steel dike.
S3 Davit support deficiencies (explain)	2 3	Х			
S4 Foundation cracking, spalling or settling	2 3	Х			
S5 Fireproofing damage	2 3		х		
S6 Corrosion between Lug/Repad Plate & Shell	2 3	Х			
					in Constitution of the Con
E0 Other (explain)	2 3	X			
El Loose connections	2 3	Х			
E2 No ground connections	2 3	х			
E3 Conduit damage	2 3	Х			

lotes

Any item answered "No" indicated: A no problem. Any item answered "Yes" indicates a potential problem and the inspector should indicate a Condition Grade Level (CGL) by circling "2" or "3" in the column marked "Yes/CGL". CGL 2 means component is serviceable but some damage or deterioration was observed. CGL 3 means damage or deterioration was observed and requires further evaluation. VI-1, VI-2, etc will usually identify the location; where VI-1 is indicated on attached drawing. Additional comments on attached page; as necessary.

#### **VESSEL EXTERNAL VISUAL**

Inspector: Bill Gee

Equipment ID: Unknown

Company:

Niagara Mohawk

Vessel ID: 373-01

Date:

2/15/2000

**P & ID**: N/A

Item	Yes/ CGL	No	N/A	Location	Comments
NO Other (Explain)	2 3	X			
N1 Reinforcing pad weepholes (explain)	2 3		Х		
N2 Flange bolting deficiencies (explain)	2 3	х			
N3 Flange Leaking	2 3	Х			
N4 Dissimilar flange rating	2 3	Х			
W0 Other (explain)	2 3	X			
W1 Support damage	2 3	Х			
W2 Handrail deficiencies	2 3	Х			
W3 Stumbling hazards	2 3	X			
I0 Other (explain)	2 3		X		
Il Weather jacket damage	2 3	-	Х		
I2 Insulation damage	2 3		Х		-
13 Inadequate or deteriorated joint caulking	2 3		х		
14 Signs of possible corrosion at penetrations or damage areas	2 3		х		

Notes:

Any item answered "No" indicated: A no problem. Any item answered "Yes" indicates a potential problem and the inspector should indicate a Condition Grade Level (CGL) by circling "2" or "3" in the column marked "Yes/CGL". CGL 2 means component is serviceable but some damage or deterioration was observed. CGL 3 means damage or deterioration was observed and requires further evaluation. VI-1, VI-2, etc will usually identify the location; where VI-1 is indicated on attached drawing. Additional comments on attached page; as necessary.

Page 2 of 2

FORM: PSM0010

# VESSEL INTERNAL VISUAL

Inspector: Bill Gee

Equipment ID:

Unknown

373-01

Company:

Niagara Mohawk

Vessel ID:

Date: 2/15/200

P & ID: N/A

	Item	Item Yes/ No N/A Location CGL				Comments
NER	Al-					
90	Other (Explain)	2 3				On tank various small spots c.f.
<del>)</del> 1	Corrosion, light surface	2 3	X			
2	Corrosion/Pitting - Slight	2 3	х			
<b>3</b> 3	Corrosion/Pitting - Moderate	2 3	х			
34	Corrosion/Pitting - Severe	2 3	Х			
<b>3</b> 5	Corrosion/Pitting - Perforations	2 3	Х			
 36	Crack	2 3	X			
G7	Distortion, Bulges or Warpage	2 3	Х			
ams	and Interfaces				Take with the same of the same	
S0	Other (Explain)	(2)3				Scales on interior stiffers.
S1	Shell to head weld problem	2 3	Х			
S2	Shell girth weld problem	2 3	Х			
S3	Shell longitudinal weld problem	2 3	х			
S4	Liquid level corrosion	2 3	х			
ozzie:	s, Couplings and other Connections				na saga misukan da aya ar san a san Tanggar	
N0	Other (Explain)	2 3				
NI	Nozzle weld problem	2 3	х			
N2	Coupling weld problem	2 3	Х			

otes:

Any item answered "No" indicated: A no problem.

Any item answered "Yes" indicates a potential problem and the inspector should indicate a Condition Grade Level (CGL) by circling "2" or "3" in the column marked Yes/CGL. CGL 2 means component is serviceable but some damage or deterioration was observed. CGL 3 means damage deterioration was observed and requires further evaluation.

The location will usually be identified by VI-1, VI-2, etc.; where VI-1 is indicated on attached drawing

Additional comments or multiple locations on attached page; as necessary.

# VESSEL INTERNAL VISUAL

Inspector: Bil

Bill Gee

**Equipment ID:** 

Unknown

Company:

Niagara Mohawk

Vessel ID:

373-01

N/A

Date:

2/15/200

P & ID:

	Item	Yes/ CGL	No	N/A (3)		Loc	ation	Comments
0	Other (Explain)	2 3	Х					
J1	Non-metallic coatings with holidays, cracking, blistering or discoloring	2 3	Х		•			
.2	Metallic liming with bulges and/or weld cracking	2 3	X					
L3	Concrete or refracting type linings with softening, cracking or spalling	2 3	Х					
4								
E0	Other (Explain)	2 3		х				
E1	Deterioration to demisters, screens or grids and associated hardware	2 3		х				
E2	Deterioration to spargers, impingement plates or vortex breakers	2 3		Х				
E3	Tray deficiency (loose connections, corrosion, tray, upset, etc.)	2 3		х				
E4	Chimney to chimney tray weld deficiencies	2 3		Х				
E5	Exchanger tube bundle and/or tubesheet deficiencies	2 3		х				
<b>E</b> 6	Tray support rings and clips	2 3		Х				
E7	Down comer deficiency	2 3		X				

ļ.,....

Any item answered "No" indicated: "No Problem"

Any item answered "Yes" indicates a potential problem and the inspector should indicate a Condition Grade Level (CGL) by circling "2" or "3" in the column marked Yes/CGL. CGL 2 means component is serviceable but some damage or deterioration was observed. CGL 3 means damage or deterioration was observed and requires further evaluation.

The location will usually be identified by VI-1, VI-2, etc.; where VI-1 is indicated on attached drawing

Additional comments or multiple locations on attached page as necessary.

# **VESSEL INTERNAL VISUAL**

ector: Bill Gee

Equipment ID:

Unknown

Niagara Mohawk

Vessel ID: 373-01

Date: 2/15/200

P & ID: N/A

		· · · · · · · · · · · · · · · · · · ·
em	Location	Comments
		·
		·
	<del> </del>	

#### **Ancillary Equipment**

### VISUAL EXTERNAL INSPECTION CHECKLIST

Description:

373-01

Report No.:

Inspector:

Bill Gee

Equipment No.:

Unknown

N.A

Company:

Niagara Mohawk

P&ID:

Date:

2/15/2000

Unit:

Item	Item Description	Yes/ CGL	No	N/A	Co	errosion (4	)		
		(1)	(2)	(3)	type	cond.	active	Location (5)	Comments (6)
AFETY			e e e e e e e e e e e e e e e e e e e						
S0	Other (Explain)	2 3		х	NGLP	123	Y/N		0
S1	Personnel protection damaged or missing (Coupling Guard, Insulation)	2 3		х	NGLP	1 2 3	Y/N		
S2	Working surface, platforms and ladder problems	2 3	Х		NGLP	1 2 3	Y/N		
S3	Fire detection system, gas detection PSV's defective or missing	2 3	х		NGLP	1 2 3	Y/N		
S4	Alarm/Shutdown systems problems	2 3	х		NGLP	1 2 3	Y/N		
<b>S</b> 5	Inadequate lighting	2 3	Х		NGLP	1 2 3	Y/N		
OUND	ATIONS & SUPPORTS		G.						
F0	Other (Explain)	2 3	Х		NGLP	1 2 3	Y/N		
Fl	Cracking, spalling, settling or signs of steel reinforcement corrosion	2 3	х		NGLP	1 2 3	Y/N		
F2	Grout - voids under base plate, cracked, loose, oil soaked deterioration by product leakage (Explain)	2 3	х		NGLP	1 2 3	Y/N		
F3	Base plate and anchor bolt problem	2 3	Х		NGLP	1 2 3	Y/N		
F4	Drainage or containment problem	2 3	х		NGLP	1 2 3	Y/N		

Notes:

- 1. Any item answered "Yes" indicates a potential problem and the inspector should indicate a Condition Grade Level (CGL) by circling "2" or "3". CGL 2 means component is serviceable but some damage or deterioration was observed. CGL 3 means damage deterioration was observed and requires further evaluation.
- 2. Any item answered "No" indicated: "no problem" was observed.
- 3. Any item marked "N/A" means that the item was "Not Applicable" to the specific equipment being inspected.
- 4. Corrosion: Each column should be addressed per item line. Mark as "Type": "N" = No Corrosion Observed. "G" = Generalized Corrosion Condition applicable to large area on component. "L" Localized Corrosion Condition specific to a small area on component. "P" = Pitting Mark "Conditions" "1" = Light or initial rust or oxidation. "2" = Moderate (ie: Light scaling) with no significant wall loss, "3" = Severe (ie. layered flaking) with significant wall lost indicate for "Y/N" = "Y" indicates that the observed corrosion is "Active" at time of inspection, and "N" = corrosion is "Inactive".
  - Location will usually be identified by VI-1, VI-2, etc. where VI-1 is indicated on an attached drawing, and may not represent more than one physical location per component.

Description: 37

373-01

Report No.:

Inspector:

**Bill Gee** 

Equipment No.:

Unknown

N.A

Company:

Niagara Mohawk

P&ID:

Date:

2/15/2000

Item	Item Description	Yes/ CGL	No	N/A	Co	rrosion (4	)	<b>.</b>	
		(1)	(2)	(3)	type	cond.	active	Location (5)	Comments (6)
FLANG	S VANS MINSS								
P0	Other (Explain)	2 3	X		NGLP	123	Y/N		
P1	Pipe Supports / anchor / guide problems	2(3)			NGLP	1 2 3	Y/N		See dwg. Of piping for location.
P2 .	Improper or missing bolting	2 3	Х		NGLP	123	Y/N		
Р3	Flange alignment problem	2 3	Х		NGLP	1 2 3	Y/N		
P4 -	Gaskets (poor condition/wrong type)	2 3	Х		NGLP	1 2 3	Y/N		
P5	Valves (condition/wrong specification)	2 3	X		NGLP	1 2 3	Y/N		
P6	Vent/Drain opening plugs missing	2 3	х		NGLP	1 2 3	2 3		
P7	Piping - Strain on equipment	2 3	Х		NGLP	1 2 3	2 3		
P8	Leaks observed (Explain)	2 3	Х		NGLP	1 2 3	2 3		
VEL	CONTROL AND INSTRUMENTAL REFE	Wester.							
IO	Level control automatic	2 3	Х		NGLP	1 2 3	Y/N		
Ĭ1	Machinery ground connections loose or missing	2 3	х		NGLP	1 2 3	2 3		
. 12	Rigid conduit binding motor	2 3	Х		NGLP	1 2 3	2 3		
13	Conduit problem loose or broken	2 3	Х		NGLP	1 2 3	2 3		
14	Start/Stop switches problem	2 3	Х		NGLP	1 2 3	2 3		
15	Suction/discharge pressure gauge problems	2 3	Х		NGLP	1 2 3	2 3		
<b>I</b> 6	Burnt odors are present form electrical	2 3	Х		NGLP	1 2 3	2 3		
17	Tank is equipped with a High level Alarm	23			NGLP	123	2 3		
18	High level alarms set at 95% tank volume	23			NGLP	123	2 3		
19	Tank Alarms are audible & visible	2 3		1	NGLP	123	2 3		
	<del></del>	<u></u>				<u> </u>	_L	<u> </u>	<u></u>

Description:

373-01

Report No.:

Inspector:

Bill Gee

Equipment No.:

Unknown

N.A

Company:

Niagara Mohawk

P&ID:

Date: 2/15/2000

Item	Item Description	Yes/	<b>N</b> 7	27/4	C	rrosion (4)	)		<b>.</b>
		CGL (1)	No (2)	N/A (3)	type	cond.	active	Location (5)	Comments (6)
LANG	KSVANOS VEIDEN								
P0	Other (Explain)	2 3	X		NGLP	1 2 3	Y/N		
P1	Pipe Supports / anchor / guide problems	2(3)			NGLP	123	Y/N		See dwg. Of piping for location.
P2	Improper or missing bolting	2 3	X		NGLP	123	Y/N		
P3	Flange alignment problem	2 3	Х		NGLP	1 2 3	Y/N		
P4	Gaskets (poor condition/wrong type)	2 3	Х		NGLP	1 2 3	Y/N		
P5	Valves (condition/wrong specification)	2 3	Х		NGLP	1 2 3	Y/N		
P6	Vent/Drain opening plugs missing	2 3	X		NGLP	1 2 3	2 3		
P7	Piping - Strain on equipment	2 3	X		NGLP	1 2 3	2 3		
P8	Leaks observed (Explain)	2 3	Х		NGLP	1 2 3	2 3		
YEL	CONTROL AND INSTRUMENTALISEC,	1/2/1				7			
Ю	Level control automatic	2 3	Х		NGLP	1 2 3	Y/N		
11	Machinery ground connections loose or missing	2 3	х		NGLP	1 2 3	2 3		
12	Rigid conduit binding motor	2 3	Х		NGLP	1 2 3	2 3		
13	Conduit problem loose or broken	2 3	х		NGLP	1 2 3	2 3		
14	Start/Stop switches problem	2 3	Х		NGLP	1 2 3	2 3		
15	Suction/discharge pressure gauge problems	2 3	Х		NGLP	1 2 3	2 3		
16	Burnt odors are present form electrical	2 3	Х		NGLP	1 2 3	2 3		
17	Tank is equipped with a High level Alarm	23			NGLP	123	2 3		
18	High level alarms set at 95% tank volume	23			NGLP	123	2 3		
Ł									

Description:

373-01

Report No.:

Inspector:

Bill Gee

Equipment No.:

Unknown .

Company:

Niagara Mohawk

P&ID: NA

Date: 2/15/2000

em	Item Description	Yes/	.,	<b></b>	Co	rrosion (4)	)		C
		CGL (1)	No (2)	N/A (3)	type	cond.	active	Location (5)	Comments (6)
ating	Coldman	was a very							
10	Missing external Ground	2 3	X		NGLP	1 2 3	Y/N		
<b>11</b>	Abnormal operation or cavitation	2 3	X		NGLP	123	Y/N		
12	Vibration and noise	2 3	X		NGLP	1 2 3	Y/N		
ß	Equipment operating at High temperature Give location	2 3	х		NGLP	1 2 3	Y/N		
14	Equipment external corrosion	2 3	Х		NGLP	1 2 3	Y/N		
15	Cracking (Explain)	2 3	Х		NGLP	123	Y/N		
.16	Leaks location (seals, packing, gaskets, valves)	2 3	х		NGLP	1 2 3	2 3		
.17	Lubrication contamination	2 3	Х		NGLP	1 2 3	2 3		
18	Insulation damage	2 3		Х	NGLP	1 2 3	2 3		No insulation.
19	Misalignment of equipment	2 3	Х		NGLP	1 2 3	2 3		
ESST	иминиемания в развительной при на br>На при на пр								
V1	Improper valve installed (ie wrong size pressure etc.	2 3		х	NGLP	1 2 3	Y/N		
V2	Valve installation problem	2 3		X	NGLP	123	Y/N		
V3	Seal broken that protect spring setting	2 3		Х	NGLP	123	Y/N		
V4	Valve leaking	2 3		х	NGLP	1 2 3	Y/N		
V5	Bellows not vented or closed	2 3		х	NGLP	1 2 3	Y/N		
V6	Valve body drains closed	2 3		х	NGLP	1 2 3	Y/N		
V7	Lifting lever located in operable position	2 3		х	NGLP	1 2 3	Y/N		
V8	Foreign objects limiting movement of exposed valve spring assemblies	2 3		х	NGLP	1 2 3	Y/N		
V9	Valve vibrating	2 3		Х	NGLP	1 2 3	Y/N		
V10	Valve replaced in last three years	2 3		Х	NGLP	1 2 3	Y/N		
VII	Set pressure of valve higher than vessel	2 3		х	NGLP	1 2 3	Y/N		

Description: 373-01

Report No.:

Inspector:

Bill Gee

Equipment No.: Unknown

Company:

Niagara Mohawk

P&ID: N.A

Date:

2/15/2000

tem	Item Description	Yes/ CGL	No	N/A	Co	rrosion (4	)	,	Comments
		(1)	(2)	(3)	type	cond.	<b>activ</b> e	Location (5)	(6)
PTURE	news, file version and the								
D0 0	Other (Explain)	2 3		Х	NGLP	123	Y/N		
D1 R	Rupture disk installation problems	2 3		Х	NGLP	1 2 3	2 3		
D2. Ir	ncorrect rupture disk installed	2 3		х	NGLP	1 2 3	2 3		
D3 D	Device ruptured or leaking	2 3		Х	NGLP	123	2 3		
	Burst pressure set greater than associated PSV	2 3		х	NGLP	123	2 3		
	Pressure gauge between RD and PSV proken	2 3		х	NGLP	1 2 3	2 3		
D6 C	Other (Explain)	2 3		х	NGLP	123	Y/N		
D7 I	Discharge obstructions	2 3		Х	NGLP	1 2 3	2 3		
D8 I	Disks or pallets stuck	2 3		х	NGLP	123	2 3		
D9 S	Seat or seal stuck or leaking	2 3		х	NGLP	1 2 3	2 3		
D10 I	Flame arrester fouled	2 3		х	NGLP	1 2 3	2 3		
D11 I	Protective screens damaged	2 3		Х	NGLP	1 2 3	2 3		
D12 1	Hinge or hinge pin problem	2 3		X	NGLP	1 2 3	2 3		
D13 (	Gaskets leaking	2 3		Х	NGLP	1 2 3	2 3		
D14 ]	Bolting problems	2 3	Х		NGLP	1 2 3	2 3		
Al :	Stop valve locking device problem	2 3	Х		NGLP	1 2 3	Y/N		
	Stop valves throat area problems (restrictive)	2 3	х		NGLP	1 2 3	Y/N		
A3	Gaskets installation problem	2 3	Х		NGLP	1 2 3	Y/N		
A4	Flange bolting problem	2 3	Х		NGLP	1 2 3	Y/N		
A5	Dissimilar flange rating	2 3	Х		NGLP	1 2 3	Y/N		
A6	Vent stack drain hole plugged	2 3		х	NGLP	1 2 3	2 3		
A7	Vent or discharge piping support problem	2 3		Х	NGLP	1 2 3	2 3		
	Environmental vent plug installation problem	2 3		x	NGLP	1 2 3	Y/N		

Description:

373-01

Report No.:

inspector:

Bill Gee

2/15/2000

Equipment No.:

Unknown

Company:

Date:

Niagara Mohawk

P&ID: N.A

[tem	Item Description	Yes/	<b>N</b> Y -	N7/A	C	orrosion (4	)	V 41	C
		CGL (1)	No (2)	N/A (3)	type	cond.	active	Location (5)	Comments (6)
opti	ធ្វើប្រធាននេះ (១,១,១,១,១,១,១,១,១,១,១,១,១,១,១,១,១,១,១,		(t.).	7					
A9	Vent upstream of block valve and PSV or RD plugged	2 3		x	NGLP	1 2 3	2 3		
	Discharge obstruction			х	NGLP	123	2 3		

#### PIPING - VISUAL EXTERNAL CHECKLIST

Inspector:

Bill Gee

Company:

Niagara Mohawk

Date:

2/15/2000

Equipment No.:

Vessel ID:

373-01

P&ID: N/A

Item	Item Description	Yes/ CGL (1)	No (2)	N/A (3)	Corrosion (4)				
					type	cond.	active	Location (5)	Comments (6)
ENER									
G0	Other (Explain)	2 3	x		NGLP	123	Y/N		
G1	Inactive corrosion, painted over (Describe)	2 3	х		NGLP	1 2 3	Y/N		
G <b>2</b>	Wear damage	2 3	х		NGLP	1 2 3	Y/N		
G <b>3</b>	Soil/air interface problem (Explain)	2 3		Х	NGLP	123	Y/N		
G4	Protective coating failure	<sup>(2)</sup> <sup>3</sup>			NGLP	①2 3	YN		At welded joints 2" and 3" 2" piping mild corrosion.
G5	Expansion joint problem (Explain)	2 3		х	NGLP	123	Y/N		
G6	Excessive vibration or pulsation	2 3		х	NGLP	1 2 3	Y/N		
<b>G</b> 7	Temporarily repaired Sections:	2 3		х	NGLP	1 2 3	Y/N		
G8	Contains Out of Specification Materials:	2 3		х	NGLP	123	Y/N		
<b>G9</b>	Hose Deficiencies:	2 3		х	NGLP	1 2 3	Y/N		
G10	Color Coding Incorrect:	2 3	Х		NGLP	1 2 3	Y/N		
GII	PID Inaccuracies:	2 3		х	NGLP	1 2 3	Y/N		No P&ID'S
G12	Thickness Measurement Deficiencies:	2 3	х		NGLP	1 2 3	Y/N		
UPPO	RTS & FOUNDATIONS			GK (G. 77)	(Salarinas Pa	seren varan	aleste prode		
SO	Other (Explain)	2 3	Х		NGLP	1 2 3	Y/N		
S1	Pipe shoes off support structure	2 3	Х		NGLP	1 2 3	Y/N		
S2	Support structure problem (Explain)	2 3	Х		NGLP	123	Y/N		
<b>S</b> 3	Defective hanger or bracket (Explain)	23			NGLP	1 2 3	Y/N		Sæ DWG.
S4	Drainage or containment problem	2 3	х		NGLP	1 2 3	Y/N		
S5	Defective anchor	2 3	х		NGLP	1 2 3	Y/N		
S6	Apparent inadequate or improper support	23			NGLP	1 2 3	Y/N		Sœ DWG.
<b>S</b> 7	Support or dummy leg problem (Explain)	2 3	Х		NGLP	1 2 3	Y/N		
82	Excessive Piping Stress	2 3	Х		NGLP	1 2 3	Y/N		
ies:	Any item answered "Ver" indicator a notant								

Any item answered "Yes" indicates a potential problem and the inspector should indicate a Condition Grade Level (CGL) by circling A2" or A3". CGL 2 means component is serviceable but some damage or deterioration was observed. CGL 3 means damage deterioration was observed and requires further evaluation.

Any item answered "No" indicated: A no problem was observed.

Any item marked "N/A" means that the item was "Not Applicable" to the specific equipment being inspected.

Any item marked "N/A" means that the item was "Not Applicable to the specific equipment being inspected.

Corrosion: Each cohumn should be addressed per item line. Mark as "Type": "N" = No Corrosion Observed. "G" = Generalized Corrosion - Condition applicable to large area on component. "L" - Localized Corrosion - Condition specific to a small area on component. "P" = Pitting - Mark "Conditions" "I" = Light or mitial rust or oxidation. "2" = Moderate (i.e.: Light scaling) with no significant wall loss, "3" = Severe (i.e. layered flaking) with significant wall lost indicate for "Y/N" = "Y" indicates that the observed corrosion is "Active" at time of inspection, and "N" = corrosion is "Inactive".

Location - will usually be identified by VI-1, VI-2, etc. where VI-1 is indicated on an attached drawing, and may not represent more than one physical location per component.

#### PIPING - VISUAL EXTERNAL CHECKLIST

Inspector:

Bill Gee

Company: Niagara Mohawk

> 2/15/2000 Date:

Equipment No.:

Vessel ID:

373-01

P&ID: N/A

tem	Item Description	Yes/		27/4	Co	rrosion (4)	)		
		CGL (1)	No (2)	N/A (3)	type	cond.	active	Location (5)	Comments (6)
V0	Other (Explain)	2 3	Х		NGLP	1 2 3	Y/N		
VI	Leakage (Describe)	2 3	Х		NGLP	1 2 3	Y/N		
V2	Improper or missing bolting	2 3			NGLP	123	Y/N		
V3	Small branch problems (Explain)	2 3	Х		NGLP	1 2 3	Y/N		
V4	Dissimilar flange ratings	2 3	Х		NGLP	123	Y/N		
V5	Sight/Level Glass Indicator Deficiencies:	2 3	Х		NGLP	123	Y/N		
V6	Press/Temp/Flow/Level Switch Deficiencies	2 3	X		NGLP	1 2 3	Y/N		
V7	Unsafe/Inadequate Access to Valves:	2 3	Х		NGLP	1 2 3	Y/N		
V8	Incomplete Valve Assemblies:	2 3	Х		NGLP	1 2 3	Y/N		
V9	Improperly installed or supported valve operator assemblies:	2 3	х		NGLP	1 2 3	Y/N		·
V10	Specialty Device deficiencies:	2 3	х		NGLP	1 2 3	Y/N		
V11	Defective or inoperable valve operators:	2 3	Х		NGLP	1 2 3	Y/N		
2	Actuated Spring Return Valve deficiencies	2 3	Х		NGLP	1 2 3	Y/N		
v13	Check Valve Deficiencies:	2 3	х		NGLP	1 2 3	Y/N		
V14	Strainer/Filter Deficiencies:	2 3	х		NGLP	1 2 3	Y/N		
V15	PRV Deficiencies:	2 3		x	NGLP	1 2 3	Y/N		
V16	Flange/Coupling Deficiencies:	2 3	х		NGLP	1 2 3	Y/N		
V17	Rotameters of Sight Flow Indicator Deficiencies:	2 3	х		NGLP	1 2 3	Y/N		
NSUL	MON						1111		
IO	Other (Explain)	2 3		Х	NGLP	1 2 3	Y/N		
Iì	Weather Jacket damage	2 3		X	NGLP	1 2 3	Y/N		
12	Insulation and jacket damage	2 3		X	NGLP	1 2 3	Y/N		
13	Inadequate or deteriorated joint caulking	2 3		х	NGLP	1 2 3	Y/N		
<b>I</b> 4	Signs of possible corrosion at penetration	2 3		Х	NGLP	123	Y/N		
	1 4 5 4 7 7 7 7 7 7	1	- J db - in	نامون الماريخ	-b- c Cardillas C	inda I mal (CC	21 ) has also dis-	mr mr cc1 1	means component is serviceable but some dame

Any item answered "Yes" indicates a potential problem and the inspector should indicate a Condition Grade Level (CGL) by circling "2" or "3". CGL 2 means component is serviceable but some damage or deterioration was observed. CGL 3 means damage deterioration was observed. Any item answered "No" indicated: A no problem was observed.

Any item marked "No Indicated A no problem was A Not Applicable to the specific equipment being inspected.

Corrosion: Each column should be addressed per item line. Mark as "Type": "N" = No Corrosion Observed. "G" = Generalized Corrosion - Condition applicable to large area on component. "L" Localized Corrosion - Condition specific to a small area on component. "P" = Pitting - Mark "conditions" "1" = Light or initial rust or oxidation. "2" = Moderate (i.e.: Light scaling) with no significant wall loss, "3" = Severe (i.e. layered flaking) with significant wall lost indicate for "Y/N" = "Y" indicates that the observed corrosion is "Active" at time of inspection, and "N" = corrosion is "Inactive".

Location - will usually be identified by VI-1, VI-2, etc. where VI-1 is indicated on an attached drawing, and may not represent more than one physical location per component.

#### MECHANICAL INTEGRITY INSPECTION FORM

#### Secondary Containment -Visual Inspection

Inspector:

Bill Gee / Shawn Whipple

Equipment ID:

Company:

Niagara Mohawk

Vessel ID: 373-01

Date: 2/15/2000

	Item	Yes	No	N/A	Location	Comments
	Storage Tank					
	Transfer Station					
Infor	nation					
1	Style of Containment (599.9(a)(1))					
la	Dike					
16	Curb					
-lc	Berm					
1d	(60 mils thk- minimum for synthetic material) Liner					
le	Vault					
1f	Double Wall Tank					
1g	Integral Diking System			·		
1h	Remote Impoundment					,
li	Building (floor including trenches, sumps)					
lj	other (describe)	Х				C/S vault
2	Material of Construction reviewed (599.9(a)(2)(iv))	Х				
3	Containment Plan Drawing obtained	Х				
4	Flood Plain Area (FEMA Map obtained/reviewed)		Х			Unknown
5	Adequate Capacity of Containment (110% of cap. of largest tank or manifolded tanks) (599.9(a)(2)(vii))	х				
5a	Capacity Calculation Done	х				
5b	How many tanks in containment area?		2			
5c	Note capacity of tank #1		9,000		gallons	
	Note capacity of tank #2		9,000		gallons	j
	Note capacity of tank #3		N/A		gallons	
	Total capacity of other tanks		18,000		gallons	
6	Are pumps and valves within containment system?	х			•	
7	Evidence of Previous Release?		х			Pumps-no some valves-yes
8	Evidence of Previous Repairs Performed?		Х			

#### MECHANICAL INTEGRITY INSPECTION FORM

#### Secondary Containment -Visual Inspection

Inspector: Bill Gee / Shawn Whipple

Equipment ID:

Company:

Niagara Mohawk

Vessel ID: 373-01

Date:

2/15/2000

	Item	Yes	No	N/A	Location	Comments
Gene	al Requirements for Dikes					
11	Permeability rate to the substance stored of 1x10 <sup>-6</sup> or less (599.9(a)(2)(i))	х				
lla	Are containment surfaces continuous and free of discontinuities?	x				-
11b	Are joints of the containment area sealed correctly	X				
11c	Is a coating used for containment?	Х				
11d	If yes to 11e, is coating in acceptable shape?		Х			CCF inside of vault
12	Design prevents any migration of hazardous substances out of system to the soil, groundwater or surface water before clean up occurs (599.9(a)(2)(ii))	х				
13a	Containment protects storage tanks from vehicular traffic (599.9(a)(1))	х				
13ъ	Containment protects steel tanks from fire (599.9(a)(1))	Х				
13c	Containment protects storage tanks from spills of incompatible substances which might occur in adjacent storage or work areas (599.9(a)(1))	х				
14a	Overfills within containment system (599.9(a)(2)(iii))			х		
14b	Overfills are directed to another appropriate collection device (599.9(a)(2)(iii))			х		
. 15	Compatibility of material of containment construction, coating or lining with the substance stored and the environment verified (599.9(a)(2)(iv))	х				
16	Containment system placed on a foundation which prevents settlement, compression or uplift (599.9(a)(2)(v))	х				
17a	Containment equipped with a sump and manually controlled method of drainage to permit the drainage of liquids resulting from leaks, spills or precipitation (599.9(a)(2)(vi))		x			
17ъ	Control of the pump, siphon or valve is outside of the diked area (599.9(a)(2)(vi))	х				

Notes:

V-1. V-2, etc will usually identify the location; where V-1 is indicated on attached drawing. Additional comments on attached page; as necessary.

Comments:

FORM: PSM0100

#### Secondary Containment -Visual Inspection

Inspector: Bill Gee / Shawn Whipple

Equipment ID:

Company:

Niagara Mohawk

Vessel ID: 373-01

Date: 2/15/2000

#### MECHANICAL INTEGRI 'Y INSPECTION FORM

#### Secondary Containment -Visual Inspection

Inspector: Bill Gee / Shawn Whipple

**Equipment ID:** 

Company: Niagara Mohawk

Vessel ID: 373-01

Date: 2/15/2000

	Item	Yes	No	N/A	Location	Comments
Stand	ard I for take int unpurnamen system					
21	Is floor subject to hydraulic pressure? (599.9(b)(2))		Х			
2la	If yes to item 21, is floor designed to prevent migration of moisture into dike system? (599.9(b)(2))					
22	If yes given to item 4, is dike designed to withstand structural damage and overtopping by a one-hundred (100) year flood? (599.9(b)(3))					
23	Is floor sloped not less than one (1) percent away from the tank? (599.9(b)(4))		х			
24	Outside base of the dike at ground level is no closer than ten (10) feet to any property line? (599.9(b)(5))	х				
25	Does average height of dike wall exceed six (6) feet above interior grade? (599.9(b)(6))	х				
5a	If yes to item 25, are provisions made for safe access and egress to tanks, valves and other equip? (599.9(b)(6))	х				
26	See item 5b. Do tank(s) contain flammable, combustible or unstable hazardous liquid? (599.9(b)(7))	х				Flammable
26a	If yes to item 26, is dike area subdivided pursuant to NFPA No. 30, section 2.3.4.3(g) (599.9(b)(7))		х			
27	Is dike system constructed in accordance with NFPA No. 30, section 2.3.4.3 (599.9(b)(1))	x				
Stan	dards for remote ampoundment systems		li e i		71.5	
31						
			] .			

Notes:

V-1, V-2, etc will usually identify the location; where V-1 is indicated on attached drawing.

Additional comments on attached page; as necessary.

Comments:

#### BLASLAND BOUCK-LEE MECHANICAL INTEGRITY VESSEL INSPECTION BY

QUALITY INSPECTION SERVICES

#### PVCalc Component Summary Report

(Thickness in Inches, Pressure in lb/in²)

Report Date: 02/22/2000 14:10:24

Vessel Name:

Year Built: 1990

Vessel Desc:

Unit: T-373-01

Other Side: Corrosion Allowance: 0.0000

Eq/Circ ID: T-373-01-TANK

Pressure: 1.0 Temperature: 100

Section Name:

Eq Type: VESSEL Class: CBS RBI: 5E Description: TANK 373-01

Component Description	Last	Req.	MAWP	Inspection	Retirement
	Inspection	Thick	ļ	Due	Due
T-373-01-SHELL	02/15/2000	0.024	47	02/14/2005	02/14/2025
T-373-01-NORTH HEAD	02/15/2000	0.160	7	02/14/2005	11/29/2014
T-373-01-SOUTH HEAD	02/15/2000	0.160	7	02/14/2005	11/29/2014
	T-373-01-SHELL T-373-01-NORTH HEAD	Inspection	Inspection Thick   T-373-01-SHELL   02/15/2000 0.024   T-373-01-NORTH HEAD   02/15/2000 0.160	Inspection Thick	Inspection Thick   Due

PRESSURE VESSEL CALCULATIONS
Unit:T-373-01 Eq/Circ ID:T-373-01-TANK
01 Cylindrical Shell
02/22/2000 14:59:45

VESSEL	NAME:	 DESC:T-373-01		

PRESSURE VESSEL CALCULATIONS
Unit:T-373-01 Eq/Circ ID:T-373-01-TANK
01 Cylindrical Shell
02/22/2000 14:59:45

01 Cylindrical Shell: T-373-01-SHELL DESIGN CONDITION

DESIGN PRESSURE: 1 PSI

MAXIMUM DESIGN TEMPERATURE: 100 DEGREES F

YEAR BUILT: 1990

COMPONENT SUMMARY ACTUAL - RQD = REMAINING MAWP STRESS

THK THK CALC CA (NO CA)

T-373-01-SHELL 0.249 0.024 0.225 47.5

\_\_\_\_\_\_\_

INPUT DATA SUMMARY

T-373-01-SHELL

SHEL OD SHEL TK S SRF E

\_\_\_\_\_\_

120.000 0.249 17800. 1.00 0.70

INTERMEDIATE ANSWERS

\*\*\* FOR T-373-01-SHELL \*\*\*

ANALYSIS 1, STEPS 6 - 7

ts = 0.2490 DIs = 119.502 R = 59.7510 X = 4797.100

P = 5.000

ANALYSIS 1, STEPS 8 - 10

tr = 0.0240 R/2 = 29.8755 MAWP1 = 51.795

MAWP = 51.795

# PRESSURE VESSEL CALCULATION UNIT:CBS Eq/Circ ID:T-373-01

02/02/2000

											 	_
ÆSSEL NÆ	AME:	,	VESSEL	DESC:	T-373-01	NORTH	HEAD	ASSUMED	CONDITI	ON		-
				·							 	<b>.</b>

#### PRESSURE VESSEL CALCULATION UNIT:CBS Eq/Circ ID:T-373-01

02/02/2000

	T-373-01 N	ORTH HEAD A	ASSUMED CON	DITION	
DESIGN PRESSURE: 1 P MAXIMUM DESIGN TEMPERA MEAR BUILT: 1990	_	GREES F			
COMPONENT SUMMARY	ACTUAL THK		MAINING	MAWP	STRESS
T-373-01 NORTH HEAD					17800
UT DATA SUMMARY			· · · · · · · · · · · · · · · · · · ·		
T-373-01 NORTH HEAD					
		HEAD THK 0.3125		SRF 1.00	E 0.70

FOR T-373-01 NORTH HEAD

t = 0.16

q = 5.3 r = 60.00 s = 17800

MAWP1 = 13

## PRESSURE VESSEL CALCULATION UNIT: CBS Eq/Circ ID: T-373-01

02/02/2000

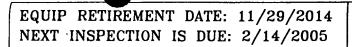
<b></b>									 
									•
VESSEL	NAME:	VESSEL	DESC:	T-373-01	SOUTH	HEAD	ASSUMED	CONDITION	•

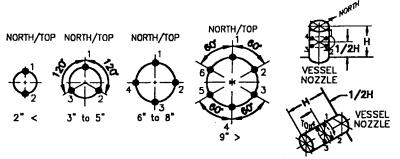
# PRESSURE VESSEL CALCULATION UNIT: CBS Eq/Circ ID:T-373-01

02/02/2000

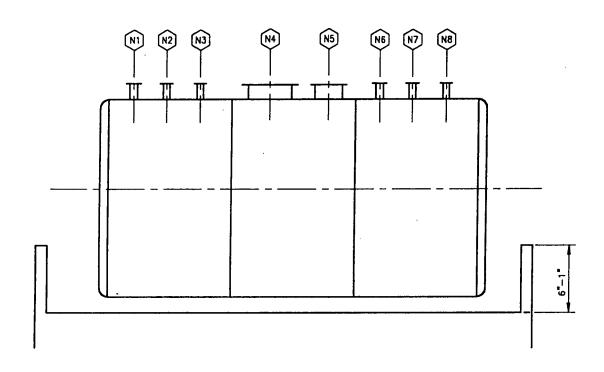
MAWP1 = 13

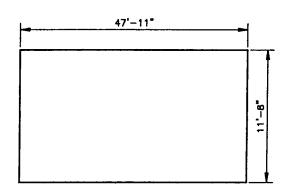
	T-373-01 S	OUTH HEAD A	SSUMED CON	DITION	
· 					
ESIGN PRESSURE: 1 P: AXIMUM DESIGN TEMPERA EAR BUILT: 1990		GREES F			
OVEROVENE GURANEN	D. COULD T	DOD - DW	(ATNING	MAKER	STRESS
OMPONENT SUMMARY	THK	- RQD = REI	ATC CY	(NO CA)	SIRESS
-373-01 SOUTH HEAD	0.251	0.16 0	.091	7	17800
T DATA SUMMARY					
-373-01 SOUTH HEAD					
	HEAD OD 120.00	HEAD THK 0.3125	s 17800	SRF 1.00	E 0.70
INTERMEDIATE ANSWERS					
FOR T-373-01 SOUTH HEA	AD.				
t = 0.16	~ - 5 3	r = 60.00	9	= 17800	





		NOZZLE	TML LOC	CATION S	CHEDUL	.E		
NOZZLE	SIZE	DESCRIPTION	MARK 1	MARK 2	MARK 3	MARK 4	MARK 5	MARK 6
N1	4 "	150#;	N/A	N/A	N/A			
N2	4 "	150#;	N/A	N/A	N/A			
N3	4 "	150#;	N/A	N/A	N/A			
N4	24"	MANWAY	#1249	#2249	#3249	#4250		
N5	18"	MANWAY	N/A	N/A	N/A			
N6	4 "	150#;	N/A	N/A	N/A			
N7	4 "	150#;	N/A	N/A	N/A			
N8	4 "	150#;						





	SECONDARY	CONTAINME	NT
TANK CAPACITY	CAPACITY OF THE SECONDARY CONTAINMENT		ADDITIONAL CONTAINMENT REQUIRED
10000 GAL.	3440 FT <sup>3</sup>	11000=1471 GAL. FT <sup>3</sup>	NONE

WEST VIEW LOOKING EAST



QUALITY INSPECTION SERVICES, INC. PROCESS SAFETY MANAGEMENT SERVICES

CORPORATE OFFICE WARWICK AVENUE BUFFALD, NEW YORK

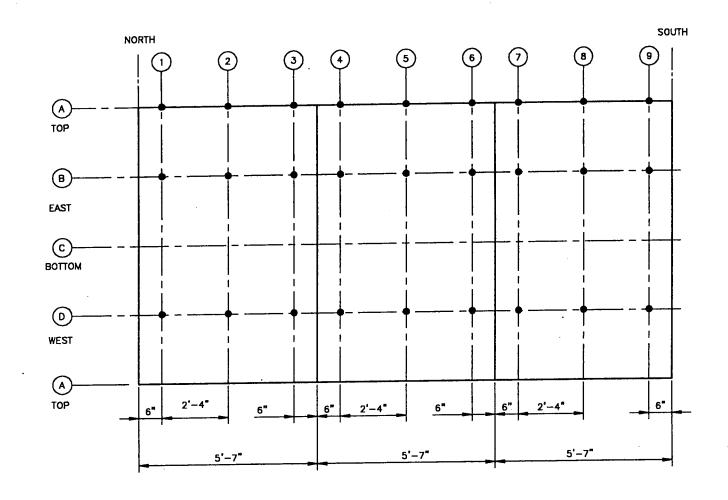
02/22/2000 I.WORONIECKI SCALE NONE BLASLAND BOUCK 99-298 LAST REV

DESC: T-373-01-STORAGE TANK

DWG#: T-373-01-TANK-1.00-49.00

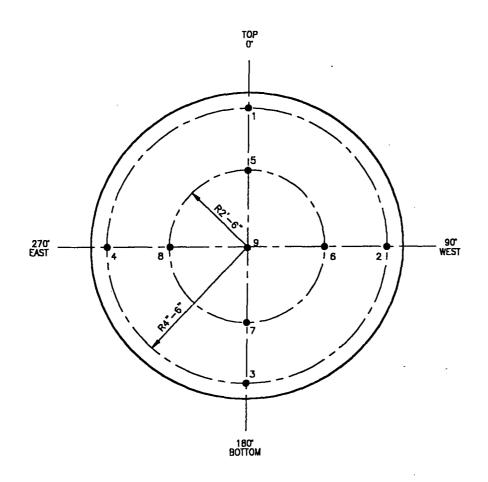
SHEET 1 of 4 EQUIP RETIREMENT DATE: 11/29/2014 NEXT INSPECTION IS DUE: 2/14/2005

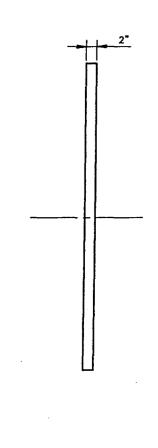
TML	TML SCHEDULE								
MARK	LOCATION	READING							
1	A1	#5251							
2	A2	#6251							
3	A3	#7253							
4	A4	#8254							
5	A5	#9251							
6	A6	#10252							
7	A7	#11251							
8	8A	#12250							
9	A9	#13249							
10	B1	#14251							
11	82	#15252							
12	83	#16250							
13	84	#17249							
14	85	#18252							
15	86	#19252							
16	B7	#20249							
17	88	#21250							
18	B9	#22252							
19	D1	#23249							
20	02	#24249							
21	D3	#25250							
22	D4	#26254							
23	05	#27255							
24	06	28252							
25	07	#29250							
26	D8	#30259							
27	D9	¥31250							



PROCESS SAF	SPECTION SERVICES, INC FETY MANAGEMENT SERVI E OFFICE WARWICK AVENUE JIFFALO, NEW YORK	ICES	SCALE NONE PROJECT BLASLAND BOUCK	CHIK BY APPE BY	I.WORONIECKI
DESC: T-373-01		P.A. SHE 1168 RETURNS, RJ	99-298		SHEET
DWG#: T-373-01		49.00			2 of 4

EQUIP RETIREMENT DATE: 11/29/2014 NEXT INSPECTION IS DUE: 2/14/2005





TML SCHEDULE							
MARK	LOCATION	READING					
<u> </u>							
1	O'TOP	#32254					
2	90°/WEST	#33252					
3	180 /BOTTOM	#34254					
4	270 /EAST	#35254					
5	O'/TOP	#36252					
6	90 /WEST	#37251					
7	180 /BOTTOM	#38255					
8	270 /EAST	#39253					
9	CENTER	#40252					

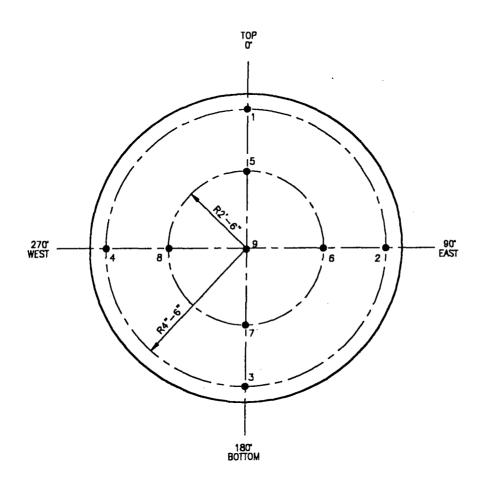
NT/				VC.	DATE 02/22/2000	DIVINI BY	I.WORONIEC
PROCESS SAFETY MANAGEMENT SERVICES CORPORATE OFFICE WARMICK AVENUE BUFFALD, NEW YORK			PROJECT NONE	CHK BY			
PARE SEAT FARE				BLASLAND—BOUCK 99-298	LAST REV		
DESC	T-373-	01-NO	ern Hr	ח			SHEET

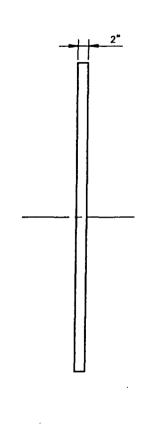
DWG#: T-373-01-NORTH HEAD

DWG#: T-373-01-TANK-1.00-49.00

3 of 4

EQUIP RETIREMENT DATE: 11/29/2014 NEXT INSPECTION IS DUE: 2/14/2005





TML SCHEDULE							
MARK	LOCATION	READING					
<u> </u>	0.\tob	#41254					
2	90 /EAST	#42254					
3	180 / BOTTOM	#43252					
4	270"/WEST	#44251					
5	0°/TOP	#45255					
6	90'/EAST	#46255					
7	180°/BOTTOM	#47251					
8	270 /WEST	#48253					
9	CENTER	#49253					

QUALITY INSPECTION SERVICES, INC. PROCESS SAFETY MANAGEMENT SERVICES CORPORATE OFFICE WARMICK AVENUE    MILE 02/22/2000   SOLE NONE	CH BY	I.WORONIECKI
BUFFALO, NEW YORK BUFFALO, NEW YORK 99-298	LAST REV	
DESC: T-373-01-SOUTH HEAD		SHEET
DWG#: T-373-01-TANK-1.00-49.00		4 of .4

#### BLASLAND BOUCK-LEE MECHANICAL INTEGRITY NOZZLE INSPECTION BY

#### QUALITY INSPECTION SERVICES

#### Corrosion Monitoring Eq/Circ ID Analysis Report

(Report in Inches, Corrosion Rates in MPY)

Report Date: 02/22/2000 13:43:06

Analysis: Statistical/Straight Line

Unit: T-373-01

Flange Rating: 150 lb/in² Design Pressure: 1 lb/in² Design Temp: 100 °F

Eq/Circ ID: T-373-01-NOZZLE

Eq Type: NOZZLE Class: CBS RBI: 5E

Description: TANK 373-01-NOZZLE

TML	Location Desc.	Ctn	Last	Last	Short	Long	Best	Retirement	Rep	TML	TML
No.		TML	Survey	Survey	Term	Term	Fit	Thickness	TML	Retirement	Inspection
			Thick	Date	Rate	Rate	Rate		CR	Date	Due Date
1.00	MANWAY 24"	N *	0.249	02/15/2000	N/A	0.1	N/A			02/03/2057	
2.00	MANWAY 24"	N *	0.249	02/15/2000	N/A	0.1	N/A	0.061 U	2.0	02/03/2057	02/14/2005
3.00	MANWAY 24"	N *	0.249	02/15/2000	N/A	0.1	N/A			02/03/2057	
4.00	MANWAY 24"	N	0.250	02/15/2000	N/A	0.0	N/A	0.061 U	2.0	05/25/2057	02/14/2005

#### BLASLAND BOUCK-LEE MECHANICAL INTEGRITY NOZZLE INSPECTION

### BY QUALITY INSPECTION SERVICES

\_\_\_\_\_\_

(Report in Inches, Corrosion Rates in MPY) Report Date: 02/22/2000 13:43:07

Analysis: Statistical/Straight Line

Unit: T-373-01 Flange Rating: 150 lb/in<sup>2</sup> Eq/Circ ID: T-373-01-NOZZLE Design Pressure: 1 lb/in<sup>2</sup> Eq Type: NOZZLE Description: Design Temp: 100 °F

Class: CBS TANK 373-01-NOZZLE

RBI: 5E

\_\_\_\_\_\_

TML Corrosion Rates are each the maximum of:

(A) -- Calculated Corrosion Rates x 1.00 : Varies (B) -- Default Corrosion Rate : 2.0 MPY

Representative Corrosion Rate is the Maximum of:

(A) -- Average Corrosion Rate x 1.10 : 2.2 MPY
(B) -- Average Max 25.0% of TMLs, Min of 2 : 2.0 MPY
(C) -- Formula Corrosion Rate (Sigma = 1.28) : 3.3 MPY
(D) -- Default Corrosion Rate : 2.0 MPY
Representative Corrosion Rate = 3.3 MPY

TML thickness readings taken above 150.0 °F have been compensated by 1% per 100.0 °F

TML thickness readings have been compensated for growths.

TML Life calculations are based on the maximum of the Rep. TML CR and the RCR using Short Term, Long Term, and Best Fit Corrosion Rates.

Nominal thickness is used for TML corrosion rate calculations with less than 3 surveys.

TML Inspection date is:

(A) -- Minimum ( TML Life / 2.00, 5.0 years )

Eq/Circ ID Estimated life = 57.0 years from the most recent survey date. (Estimated Life is based on the average of the earliest 1 TML retirement dates.)

Predicted Eq/Circ ID Retirement date is 02/03/2057

Recommended Eq/Circ UT Inspection Date is 02/14/2005 UT Inspection Date is the minimum(Remaining life / 2.0, 5.0 years).

Caution TML Logic: TML Corrosion Rate > 15.00 MPY .OR. TML Remaining Life < 1 Years.

There are 0 Caution TMLs in this Eq/Circ ID.

System Information		Constant of the Constant of th
T-373-01 MANWAY N4 PIPING BASELINE T-MIN CARBON STEEL		
Pipe Size Schedule	Total Weight per Foot	Total Weight
24 10S		
Outside Diameter Wall Thickness Inside Diameter	Pipe Weight	Total Pipe Weight (lbs)
24 0.25 23.5	63	63
Insulation Material Insulation Thickness	Insulation Weight (lbs/ft)	Total Insulation Weight (lbs)
		0
Fluid Type Fluid Density (lbs/ft3)	Fluid Weight (lbs/ft)	Total Fluid Weight (lbs)
UNKNOWN 62.43	188.042687180	188.04268718064
Bending Moment, M (in-lbs)	A	
376.564030770974	Addri W/ft	Additional Weight (lbs)
I		<u> </u>
Pipe Material Corrosion Allowance (mils)	Total Weight per foot (lbs/ft)	Total Weight (lbs)
A36 0.06	251.042687180649	251.04268718
Length Between Supports Design Stress Bending Stre	ess Maximum I.D. Structi	ural tmin (in)
1 17800 26	700 23.9999376 <b>0.</b> 0	060062335479157
Operating Pressure, psi Maximum Operating Temp. (F) B3	1.3 Coefficient (Y) Quality Fact	or Pressure tmin
1 100	0.4	1 0.06066010494

#### BLASLAND BOUCK-LEE MECHANICAL INTEGRITY PIPING INSPECTION BY

#### QUALITY INSPECTION SERVICES

#### Corrosion Monitoring Eq/Circ ID Analysis Report

(Report in Inches, Corrosion Rates in MPY) Report Date: 02/21/2000 15:43:59

Analysis: Statistical/Straight Line

Unit: T-373-01

Eq/Circ ID: T-373-01-PIPING

Eq Type: PIPING Description:

Class: CBS RBI: 5E

TANK-373-01

Flange Rating: 150 lb/in² Design Pressure: 150 lb/in² Design Temp: 100 °F

TML	Location Desc.	Ctn	Last	Last	Short	Long	Best	Retire	ment	Ren	TML	TML
No.		TML	Survey	Survey	Term	Term		Thickn		TML	Retirement	
		1	Thick	Date	Rate	1	Rate		-55	CR	Date	Inspection
1.00	T-373-01	N	0.326	02/15/2000	N/A	0.0	N/A	0.136	U	2.0	<del></del>	Due Date
2.00	T-373-01(N)	N	0.327	02/15/2000		0.0	N/A	0.136	U	2.0		02/14/2005
3.00	T-373-01(T)	N	0.326		N/A	0.0	N/A	0.136	<del>u</del>	2.0		02/14/2005
4.00	T-373-01	N	0.225		N/A	0.0	N/A	0.138	Ū	2.0		02/14/2005
5.00	T-373-01(N)	N	0.235		N/A	0.0	N/A	0.138	<del>u</del>	2.0		02/14/2005
6.00	T-373-01(S)	N	0.230		N/A	0.0		0.138	U	2.0		02/14/2005
7.00	T-373-01	N	0.200		N/A	1.6	N/A	0.138	Ü	2.0		02/14/2005
8.00	T-373-01	N *	0.198		N/A			0.138	Ü	2.0		02/14/2005
9.00	T-373-01	N	0.234	02/15/2000		6.5		0.136	U	6.5		02/14/2005
10.00	T-373-01	N .	0.294	02/15/2000		0.6		0.136	U	2.0		02/14/2005
11.00	T-373-01(T)	N	0.233		N/A	6.6		0.136			01/15/2033	
12.00	T-373-01	N		02/15/2000		1.5		0.138	U U	2.0		02/14/2005
13.00	T-373-01	N	0.200		N/A	1.6		0.138	<del>U</del>		04/01/2013	
14.00	T-373-01	N	0.210	02/15/2000		0.6		0.138		2.0		02/14/2005
15.00	T-373-01	N	0.204		N/A	1.2		0.138	U	2.0	02/15/2015	
16.00	T-373-01	N	0.200		N/A	1.6		0.138	U		11/15/2013	
17.00	T-373-01	N	0.201		N/A	1.5			U	2.0		02/14/2005
18.00	T-373-01	N	0.217		N/A	0.0		0.138	U	2.0		02/14/2005
19.00	T-373-01	N	0.200	02/15/2000		1.6		0.138	U	2.0		02/14/2005
	T-373-01	N	0.250		N/A			0.138	U	2.0	01/15/2013	
	T-373-01	N	0.255	02/15/2000	. ,			0.136	Ŭ	4.9		02/14/2005
	T-373-01	N	0.259		N/A	4.4		0.136	U	4.4		02/14/2005
	T-373-01	N	0.142	02/15/2000		4.1		0.136	Ŭ	4.1		02/14/2005
24.00	T-373-01	N	0.145			1.2	N/A	0.076	Ŭ	2.0		02/14/2005
	T-373-01	N	0.145		N/A	0.9	N/A	0.076	Ŭ	2.0		02/14/2005
	T-373-01	N			N/A	1.4		0.076	Ŭ	2.0		02/14/2005
	1- 3/3 01	114	0.145	02/15/2000	N/A	0.9	N/A	0.076	U	2.0	07/01/2014	02/14/2005

#### BLASLAND BOUCK-LEE MECHANICAL INTEGRITY PIPING INSPECTION BY

#### QUALITY INSPECTION SERVICES

Report Date: 02/21/2000 15:44:04 (Report in Inches, Corrosion Rates in MPY)

Analysis: Statistical/Straight Line

Flange Rating: 150 lb/in2 Design Pressure: 150 lb/in2

Design Temp: 100 °F

Eq/Circ ID: T-373-01-PIPING Eq Type: PIPING Description: TANK-373-01

Class: CBS

RBI: 5E

Unit: T-373-01

TML Corrosion Rates are each the maximum of:

(A) -- Calculated Corrosion Rates x 1.00 Varies (B) -- Default Corrosion Rate 2.0 MPY

Representative Corrosion Rate is the Maximum of:

(A) -- Average Corrosion Rate x 1.10 2.9 MPY (B) -- Average Max 25.0% of TMLs, Min of 2 4.8 MPY (C) -- Formula Corrosion Rate (Sigma = 1.28) 3.3 MPY (D) -- Default Corrosion Rate 2.0 MPY

Representative Corrosion Rate = 4.8 MPY

TML thickness readings taken above 150.0 °F have been compensated by 1% per 100.0 °F

TML thickness readings have been compensated for growths.

TML Life calculations are based on the maximum of the Rep. TML CR and the RCR using Short Term, Long Term, and Best Fit Corrosion Rates.

Nominal thickness is used for TML corrosion rate calculations with less than 3 surveys.

TML Inspection date is:

(A) -- Minimum( TML Life / 2.00, 5.0 years )

Eq/Circ ID Estimated life = 12.5 years from the most recent survey date. (Estimated Life is based on the average of the earliest 1 TML retirement dates.)

Predicted Eq/Circ ID Retirement date is 08/16/2012

Recommended Eq/Circ UT Inspection Date is 02/14/2005 UT Inspection Date is the minimum( Remaining life / 2.0, 5.0 years ).

TML Corrosion Rate > 15.00 MPY .OR. TML Remaining Life < 1 Years. Caution TML Logic:

There are 0 Caution TMLs in this Eq/Circ ID.

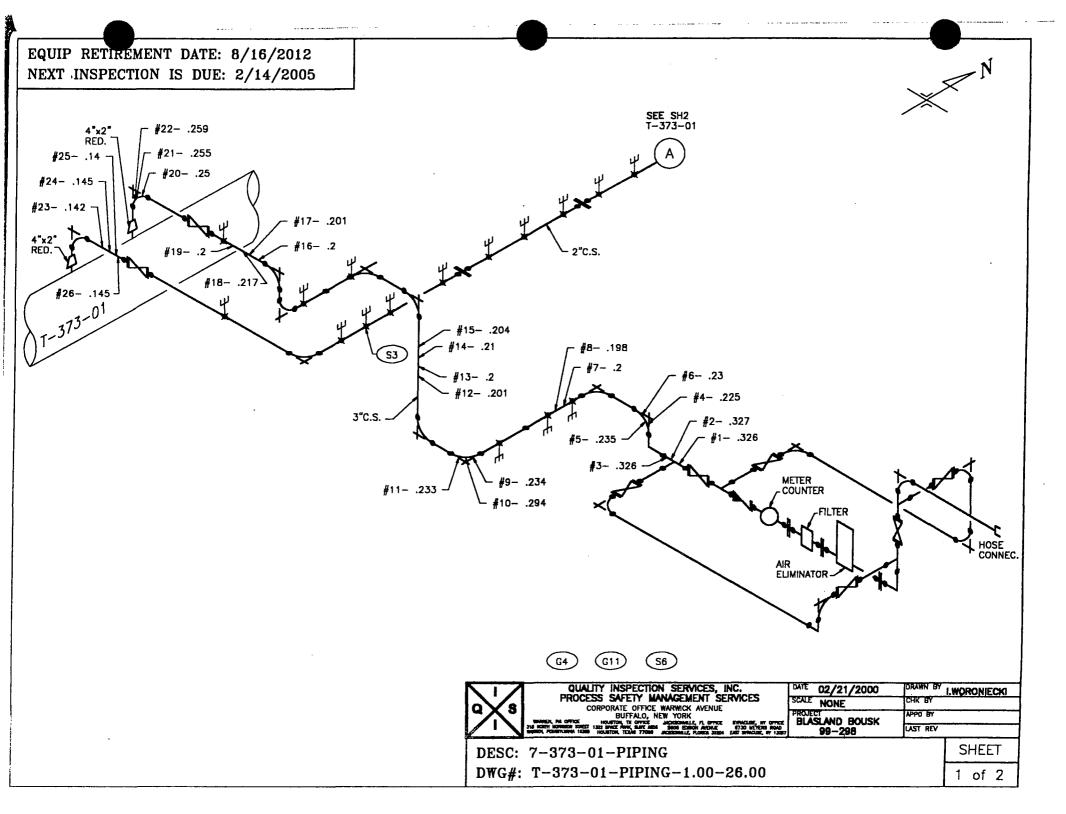
TML View

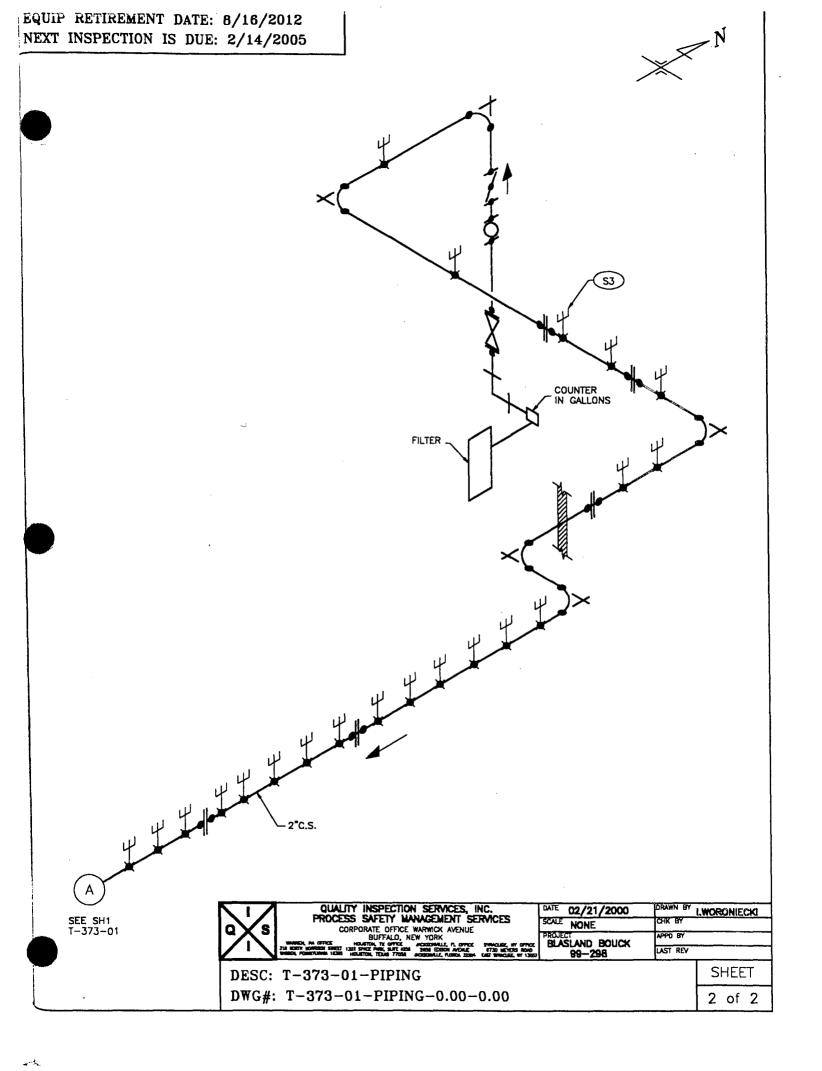
TML No	Location	Comp Code	Size	Mat'l Code	T-Min	F	Nominal	Date Built
1.00	T-373-01	PIPE	3.000	A53F	0.136	U	0.300	01/01/1990
2.00	T-373-01(N)	PIPE	3.000	A53F	0.136	U	0.300	01/01/1990
3.00	T-373-01(T)	PIPE	3.000	A53F	0.136	U	0.300	01/01/1990
4.00	T-373-01	PIPE	3.000	A53F	0.138	U	0.216	01/01/1990
5.00	T-373-01(N)	PIPE	3.000	A53F	0.138	U	0.216	01/01/1990
6.00	T-373-01(S)	PIPE	3.000	A53F	0.138	U	0.216	01/01/1990
7.00	T-373-01	PIPE	3.000	A53F	0.138	U	0.216	01/01/1990
8.00	T-373-01	PIPE	3.000	A53F	0.138	U	0.216	01/01/1990
9.00	T-373-01	PIPE	3.000	A53F	0.136	บ	0.300	01/01/1990
10.00	T-373-01	PIPE	3.000	A53F	0.136	Ū	0.300	01/01/1990
11.00	T-373-01(T)	PIPE	3.000	A53F	0.136	U	0.300	01/01/1990
12.00	T-373-01	PIPE	3.000	A53F	0.138	Ū	0.216	01/01/1990
13.00	T-373-01	PIPE	3.000	A53F	0.138	Ū	0.216	01/01/1990
14.00	T-373-01	PIPE	3.000	A53F	0.138	U	0.216	01/01/1990
15.00	T-373-01	PIPE	3.000	A53F	0.138	Ū	0.216	01/01/1990
16.00	T-373-01	PIPE	3.000	A53F	0.138	U	0.216	01/01/1990
17.00	T-373-01	PIPE	3.000	A53F	0.138	U	0.216	01/01/1990
18.00	T-373-01	PIPE	3.000	A53F	0.138	U	0.216	01/01/1990
19.00	T-373-01	PIPE	3.000	A53F	0.138	U	0.216	01/01/1990
20.00	T-373-01	PIPE	3.000	A53F	0.136	U	0.300	01/01/1990
21.00	T-373-01	PIPE	3.000	A53F	0.136	U	0.300	01/01/1990
22.00	T-373-01	PIPE	3.000	A53F	0.136	U	0.300	01/01/1990
23.00	T-373-01	PIPE	2.000	A53F	0.076	U	0.154	01/01/1990
24.00	T-373-01	PIPE	2.000	A53F	0.076	υ	0.154	01/01/1990
25.00	T-373-01	PIPE	2.000	A53F	0.076	U	0.154	01/01/1990
26.00	T-373-01	PIPE	2.000	A53F	0.076	U	0.154	01/01/1990

System Information		
T-373-01 PIPING;	, , , , , , , , , , , , , , , , , , , ,	
PIPING BASELINE T-MIN		
CARBON STEEL		
Pipe Size Schedule 40	Total Weight per Foot	Total Weight
3 40		
Outside Diameter Wall Thickness Inside Diameter	Pipe Weight	Total Pipe Weight (lbs)
3 0.216 2.568	7.58	151.6
Insulation Material Insulation Thickness	Insulation Weight (lbs/ft)	Total Insulation Weight (lbs)
		0
	\	
Fluid Type Fluid Density (lbs/ft3)	Fluid Weight (lbs/ft)	Total Fluid Weight (lbs)
UNKNOWN 62.43	2.24548812658	44.909762531679
Bending Moment, M (in-lbs)	Addt'i W/ft	Additional Weight (lbs)
5895.29287595039	0	
	<u> </u>	
Discharge and the second	Total Weight per foot (lbs/ft)	Total Weight (lbs)
Pipe Material Corrosion Allowance (mils)	9.825488126584	196.50976253
A53F 0.06	0.020 100 1200 1	[ 100.000, 02.00
Length Between Supports Design Stress Bending Stre	ess Maximum I.D. Structi	urai tmin (in)
		137031971255552
20 10000 22	2.32236002	137031971233332
Operating Pressure, psi Maximum Operating Temp. (F) B3	1.3 Coefficient (Y) Quality Fact	or Pressure tmin
150 100	0.4	1 0.07281437125

System information		
T-373-01 PIPING;		
PIPING BASELINE T-MIN		
CARBON STEEL		
OARBON STELL		
Pipe Size Schedule	Total Weight per Foot	Total Weight
3 80	, otal treight per local	. o.u. Weight
Outside Diameter Wall Thickness Inside Diameter	Pipe Weight	Total Pipe Weight (lbs)
3.5 0.3 2.9	10.25	205
Insulation Material Insulation Thickness	Insulation Weight (lbs/ft)	Total Insulation Weight (lbs)
	Induction Weight (IDDIT)	
		0
Fluid Type Fluid Density (lbs/ft3)	Fluid Weight (lbs/ft)	Total Fluid Weight (lbs)
UNKNOWN 62.43	2.86362878984	57.272575796804
<u></u>	<u> </u>	
Bending Moment, M (in-lbs)	Addri W/ft	Additional Majabi (Iba)
	<u> </u>	Additional Weight (lbs)
7868.17727390413	0	
<b>-</b>	Total Weight per foot (lbs/ft)	Total Weight (lbs)
Pipe Material Corrosion Allowance (mils)		
A53F 0.06	13.1136287898402	262.27257579
Length Between Supports Design Stress Bending	Stress Maximum I.D. Structu	ıral tmin (in)
20 15000	22500 3.42494526 <b>0.</b> 4	135054739652177
Operating Pressure, psi Maximum Operating Temp. (F)	B31.3 Coefficient (Y) Quality Factor	Pressure tmin
150 100	0.4	1 0.07447105788

System Information		· · · · · · · · · · · · · · · · · · ·						
T-373-01 PIPING;								
PIPING BASELINE T-MIN								
CARBON STEEL								
•								
Pipe Size Schedule	Total Weight per Foot	Total Weight						
2 40								
Outside Diameter Wall Thickness Inside Diameter	Pipe Weight	Total Pipe Weight (lbs)						
2.375 0.154 2.067	3.65	36.5						
Insulation Material Insulation Thickness	Insulation Weight (lbs/ft)	Total Insulation Weight (lbs)						
		0						
Fluid Type Fluid Density (lbs/ft3)	Fluid Weight (lbs/ft)	Total Fluid Weight (lbs)						
UNKNOWN 62.43	1.45479459033	14.547945903300						
Bending Moment, M (in-lbs)	Addt'i W/ft	Additional Weight (lbs)						
765.719188549506	0							
	Total Weight per foot (lbs/ft)	Total \A/aight (lha)						
Pipe Material Corrosion Allowance (mils)	5.10479459033004	Total Weight (lbs) 51.047945903						
A53F 0.06	5.10479459055004	51.047945905						
Length Between Supports Design Stress Bending Stre	Length Between Supports Design Stress Bending Stress Maximum I.D. Structural train (in)							
10 15000 22	500 2.35948880 0.0	075511192586975						
Operating Pressure, psi Maximum Operating Temp. (F) B3	1.3 Coefficient (Y) Quality Factor	or Pressure tmin						
150 100	0.4	1 0.07031437125						





# Appendix D - Waste Disposal Manifests

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

# Non-TSCA Solid Waste



<u> </u>	lease	print or type (Form designed for use on elite (1	2 pitch) typewriter)							
		NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	00073040	08	Manifest Document No.	NI/70 2	Page 1		
		3. Generator's Name and Mailing Address NIAGARA MOHAWK POWER CORPORATION 1125 Broad way Albany, N.Y. 1220					Same			
		4. Generator's Phone (5/8) 433	3696 AHN 1	BHILDAYA TAC	hAIR	•		ļ		
		5. Transporter 1 Company Name	Tr/-1	US EPA ID Number		A State Trans	P117 & P17	ADU		
		7. Transporter 2 Company Name	ing, INC	US EPA ID Number		B. Transporter C. State Trans		<u> </u>		
	1					D. Transporte	r 2 Phone			
		9. Designated Facility Name and Sita Address High Acres LA HOS Perinton	nd fill 10.	US EPA ID Number		E. Stats Facili				
		FAIR DOKT, N.X.	HUKWAY			F. Facility'e PI	613;			
					No.	Туре	Total Quantity	14. Unit Wt./Vol.		
		Non Regula	ted Debr	X\S	<b>60</b> /	CM	30,000	p		
	GEN	b. /								
	E R A T	С.				·····				
WASTE	R	<b>d</b> .	<del></del>		-					
			····-				<u> </u>	<u></u>		
ON-HAZARDOUS		F. Additional Descriptions for Materials Listed Above  5// / / / / / / / / / / / / / / / / /	50636	P88328 V6	AML	d. Hallowy C	Codes for Wastes Listed Above			
H-NON-H		Hease Mail Copy Buck to Generator								
		18. GENERATOR'S CERTIFICATION: I heraby ce in proper condition for transport. The materials of	rtify that the contents of this ehipmer described on this manifest are not su	d are fully and accurately describject to federal hazardous was	ibed and are in te regulations.	all respects	·	Date		
		LACK HAllor	AN	Signature	Hall	loca	Month O G	29 OC		
	T 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Fig. // S. / / C. / C  18. Transporter 2 Acknowledgement of Receipt of Materials					Date  Month Day Yel  O(  Z 7   0 C				
	<b>P</b>	18. Transporter 2 Acknowledgement of Receipt of I Printed/Typed Name	Materials	Signature			Month	Date Day Year		
	ER FA	19. Discrepancy Indication Space				<del></del>		<u> </u>		
	-	20. Facility Owner or Operator, Certification of rece	ipt of the waste materials covered by	this manifest, except as noted	in item 19.		· · · · · · · · · · · · · · · · · · ·			
	T Y	Printed/Typed Name		Signature			, Month	Date Day Year		



SIK

ė	~~~	print or type (Form designed for use on enter	12 pacity typewitter)	<del></del>				
	ì	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.  NYD 0007	3A4A8		Manifest Document No.	17/7/	2. Page 1
	4	3. Generator'e Name and Mailing Address	114740001	JO 170			117	
	NIAGARA MOHAWK POWER CORPORATION			904	SAM			·
	]	4. Generator's Phone (5/8) 4333	40 P	7				•
		4. Generators Priories (1) 1 4 4 5 5	016 (DAMAKA	US EPA ID Number				
	4	5. Transporter 1 Company Name	7	US EPA ID Number	1	A. State Trans	porter's ID	7000
		SUVATOLE ITUCK	ing frc.1			B. Transporter	1 Phone / / 6	20141
		7. Transporter 2 Company Name	8.	US EPA ID Number		C. State Trans	porter's ID	
	7					D. Transporter	2 Phone	
		9. Designated Facility Name and Site Address	7// 10.	US EPA ID Number		E. State Facilit	y'a ID	
	•	High Acres Lnyt	illa 1	•			·	
ì		1425 Perinton	V PAIKWAY			F. Facility's Ph		
	Щ	EALL-DOUT N.Y				116 0	43 6/32	7
<b>L</b>		11. WASTE DESCRIPTION			Co	ntainers	13. Total	14.
					No.	Туре	Total Quantity	Unit Wt./Vol.
		No Road	to 1 00-6	` 6		Pn	20 000	A
	•	Now Regulat	ed prol	<u>75</u>	901		50,000	
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	N I				1.			
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	R	С.					•	
- 1	<u> </u>							1
	오卜							
S	R	d.		,				
WASTE		·						
_		F. Additional Descriptions for Materials Listed Abo				G. Handling C	odes for Wastes Listed Above	
ON-HAZARDOUS		Sir Project	P.O, MP88. 506326	32 8AM L	<del></del>		4	
Ŧ		15. Special Handling Instructions and Additional Ir				L		
NON-		10. Special Marianay mandersons and Acceleration						
		<ol> <li>GENERATOR'S CERTIFICATION: I hereby of in proper condition for transport. The materials</li> </ol>	erray that the contents of this shipme described on this manifest are not so	π are tully and accurately describusing a label of the second of the se	ped and are in regulations.	all respects	•	
		Printed/Typed Name		Sinneture	/ 1 /	# 1		Data
		L H. II	1 4 1	Signature			Mon	COALAA
	Ŧ	VACE INTO	AW W	AUAN	Min	loca	06	
	Ř	17. Transporter 1 Acknowledgement of Receipt of Printed/Typed Name	Materials	Signature	<del>- / -)</del>		<del>/</del>	Date
	ŘAN			1) Surature - //	رحما الم	1 1	Mon	th Day Year
	90 ORT	18. Transporter 2 Acknowledgement of Receipt of	Motoriole		<u> </u>	w/	<u>U</u>	, 10 0 1
	Ř	Printed/Typed Name		Signature			Mon	Date th Day Year
	Ë	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					mori	
		19. Discrepancy Indication Space					<u>-</u>	_ <del></del>
	F							
4			<u> </u>					
		20. Facility Owner or Operator; Certification of rec	seipt of the waste materials covered by	y this manifest, except as noted i	n item 19.			
	<u>[آ</u> ]			T a:				Date
	U	Printed/Typed Name	,	Signature			Mon	th Day Year



	C	ŧ	
-	_	/	r

	100.50	print or type (Form designed for use on exte (12 ptch) typewriter)					
		NON-HAZARDOUS WASTE MANIFEST  1. Generator's US EPA ID No.	80408		Manifest Document No.	NI 172	2. Page 1
		3. Generator's Name and Mailing Address NIAGARA MOHAWK POWER CORPORATION 1125 Broadway Albawy N.V. 12204 4. Generator's Phone (518) 433 3696 BARDARAZACHAREK					
		5. Transporter 1 Company Name 6.	US EPA ID Number		A. State Transp	corter's ID	
		7. Transporter 2 Company Name 8.	US EPA ID Number		B. Transporter C. State Trans		20741
		/	<del></del>		D. Transporter		
		9. Designated Pacility Name and Site Address  10.	US EPA ID Number		E: State Facilit	y's ID	
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		11. WASTE DESCRIPTION			tainers	13. Total	14. Unit
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Z		15. Special Handling Instructions and Additional Information					
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	I	16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment	are fully and accurately described	and are in	all respects		
		in proper condition for transport. The materials described on this manifest are not suf	ojeci to rederal nazardous waste re	gulalions.		<del> </del>	
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	WASTE MANIFEST PYDOOD 730 408					Manifest Document No. XVI 173 2. Page 1 of 1			
	3. Generator's Name and Mailing Address			Į.					
	NIAGARA MOHAWK POWER CORPORATION								
	1125 Broadway Alb	any Nil	12204	1					
	4 Sammer Man 15 16 1 11 77 7	101 1							
	4. Generator's Phone (5/8) 433-3  5. Transporter 1 Company Name	0070 Bav	bana Lack Bu	ek					
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	Silvanole Truck	INA FACT		i	A. Transporter	1 Phone			
	7. Transporter 2 Company Name		3. US EPA ID Number		B. State Trans	porter's ID 7/6 2	12 0741		
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	9. Designated Facility Name and Site Address H.gh Alches lan 425 Pen. NTON Pan	1 7 11 1	0. US EPA ID Number		D. State Facilit	y's ID	1		
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	11. WASTE DESCRIPTION		<del></del>	1 0					
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ì	F. Additional Descriptions for Materials Listed Above	- Da 14	1 R ST 328 AN	1/	G. Handling C	odes for Wastes Listed Abor	<b>/e</b>		
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# NON-HAZARDOUS-WASTE

# NON-HAZARDOUS WASTE MANIFEST SIR



		print or type (Form designed for use on elite (12 pitch) typewriter)				·		
		NON-HAZARDOUS 1. Generator's US EPAID	No. 1730 408		Manifest Document N	NI 174	2. Page 1 of	
	3. Generator's Name and Mailing Address  NIAGARA MOHAWK POWER CORPORATION  1125 Bloadway Albany Ny, /2264							
	4. Generator's Phone (5/8) 433-3696 BARBARA ZACHBUEC  5. Transporter 1 Company Name  6. US EPA ID Number  A. State Transporter's ID							
		5. Transporter 1 Company Name 6.	US EPA ID Number	· · · · · · · · · · · · · · · · · · ·	A. State Tran	nsporter's ID		
		SILVANOLF TRUCKING IN				er 1 Phone - 7/6 27	2-074/	
		7. Transporter 2 Company Name 8.	US EPA ID Number		C. State Trai			
	]_				D. Transport	er 2 Phone		
		9. Designated Facility Name and Site Address 10 HIGH ACHES LAND FILL H25 FENINTON PARKWAY	0. US EPA ID Number		E. State Fac	-		
		FAIR PORT NY.	· · · · · · · · · · · · · · · · · · ·		F. Facility's I	6 223-613	'Z	
		11. WASTE DESCRIPTION		1	ontainers	13. Total	14. Unit	
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,		15. Special Handling Instructions and Additional Information						
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ď	ဝူ	18. Transporter 2 Acknowledgement of Receipt of Materials					Date	
	TRANSPORTER	Printed/Typed Name	Signature		•	M	onth Day Year	
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	7	20. Facility Owner or Operator; Certification of receipt of the wasta materials on	overed by this manifest, except as noted in	n item 19.				
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# NON-HAZARDOUS WASTE

#### **NON-HAZARDOUS WASTE MANIFEST**



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مثد	NON-HAZARDOUS  WASTE MANIFEST  1. Generator's US EPA IC  W\\ \( \) \( \) \( \)	00730408		Manifest Document No.	NI 175	2. Page 1 of
	3. Generator's Name and Mailing Address NIAGARA MOHAWK POWER CORPORATION				•	
	1:25 BROADWAY, ALBANY, M	1 12204		ļ		
	4. Generator's Phone (5/8) 433-3696 AITN	: BARBARA ZACHAR	LEK			
	· · · · · · · · · · · · · · · · · · ·	i. US EPA ID Number		A State Trans		
	SILVAROLE TRUCKING INC.  7. Transporter 2 Company Name	. US EPA ID Number		B. Transporter		2-0741
	I management a company reality	. OS EFA ID NORIDEI		C. State Trans		
		0. US EPA ID Number		E. State Facilit	<del></del>	
	HIGH ACRES LANDFILL HZS PERINTON PARKWAY					
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	F. Additional Descriptions for Materials Listed Above		ــــــــــــــــــــــــــــــــــــــ	G. Handling C	l odes for Wastes Listed Abo	<u> </u>
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	PROFILE 506 326			) .	<u></u>	
	15. Special Handling Instructions and Additional Information					
	16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this	s ehipment are fully and accurately describe	nd and are in	n all respects		
	in proper condition for transport. The materials described on this manifest	are not subject to federal hazardous waste	regulations.	·	• .	
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R	18. Transporter 2 Acknowledgement of Receipt of Materials  Printed/Typed Name	Signature				Date
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		NON-HAZARDOUS WASTE MANIFEST	1. Geography's US EPA ID No.	730404	۷	Manifest Document No.	NI 176	2. Page 1 of
		3. Generator's Name and Mailing Address NIAGARA MOHAWK POY	VER CORPORATION	NY 12204	!		<u> </u>	
		1125 Broadway 4. Generator's Phone (5/8) 438	3696 Penils	VA Zachar	<u>-k</u>	 	·	
		5. Transporter 1 Company Name	ting Ina	US EPA ID Number		A. Transporter	1 Phone 7/2 977	ושנית
		7. Transporter 2 Company Name	<del></del>	US EPA ID Number		B. State Trans		0///
						C. Transporter	2 Phone	
		9. Designated Facility Name and Site Address H191 ACISS LAI	vd Fill 10.	US EPA ID Number		D. State Facilit	y's ID	
		High Acres LAN 425 Perinton FAIL DOXT	Y SI KVIAY		_	E. Facility's P	723 6/3:	7
		11. WASTE DESCRIPTION			No.	ontainers Type	13. Total Quantity	14. Unit Wt./Vol.
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	OR	<ol> <li>Transporter 2 Acknowledgement of Receipt of I Printed/Typed Name</li> </ol>	Materials	Signature				Date
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1		20. Facility Owner or Operator: Certification of rece	ipt of the waste materials covered b	y this manifest, except as noted in	item 19.			
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ا ا	J	NON-HAZARDOUS 1. Generators US EPA ID No.	30408		Manifest Document No.	NI 181	2. Pag	•1/
		3. Generator's Name and Mailing Address NIAGARA MOHAWK POWER CORPORATION 1125 Groadway Albany						
		4. Generator's Phone (5/8) 433 3596 (CA) h.		<u> </u>				
		5. Transporter 1 Company Name  Trucking Ind.	US EPA ID Number		A. Transporter 1 Phone 7/6 212 074/			
		7. Transporter 2 Company Name 8.	US EPA ID Number		B. State Transporter's ID			
		9. Designated Facility Name and Site Address 1 10.	US EPA ID Number		C. Transporter 2 Phone  D. State Facility's ID			
		High Acres Landfill						
		9. Designated Facility Name and Site Address HIGH ACTES LANDFILL 425 POTINTON PAIKWAY FAIR MONTH			E. Facility's P	100 3 6/3	32	
		11. WASTE DESCRIPTION		Co	ntainera	13. Total		14, Unit Wt./Val.
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		in proper condition for transport. The materials described on this manifest are not so	ubject to federal hazardous waste req	julations.		·. Γ	De	ite
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4	F	19. Discrepancy Indication Space						
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#### **NON-HAZARDOUS WASTE MANIFEST**

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		NON-HAZARDOUS 1. Generator's US EPA ID No. WASTE MANIFEST	30 408		Manifest Document No.	NI 187	2. Page 1
	7	3. Generator's Name and Mailing Address			<del></del>		
		NIAGARA MOHAWK POWER CORPORATION	1 1 1 2 2 2 2	,			
		1125 Broadway, ALbany 4. Generator's Phone (5/8) 433-3696 Bank	p.19. 1220.	7			
		4. Generator's Phone (5/8) 433-3696 Bau	bana Zacha	nek		·	
1	4	5. ITANSOONAY I GOMOANY NAMA K	US EPA ID Number	*			
		Silvanole Thucking Fri			A. Transporter		72 0741
	4	7. Transporter 2 Company Name 8.	US EPA ID Number	,	B. State Trans	<del>`</del>	
	N	9. Designated Facility Name and Site Address 10.	US EPA ID Number		C. Transporter		
		High acres Land Fill	OS EFA ID NUMBER		D. State Facili	y s io	į
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	7	F. Additional Descriptions for Materials Listed Above		L	G. Handling C	odes for Wastes Listed Abo	
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	T R	17. Transporter 1 Acknowledgement of Receipt of Materials					Date
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1	7	20. Facility Owner or Operator: Certification of receipt of the waste materials covered by	this manifest, except as noted in i	tem 19.	•	· —	
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	NON-HAZARDOUS  1. Generator's US EPAID No.  WASTE MANIFEST  1. Generator's US EPAID No.  N y D 000 73	0 408	-	Manifest Document No.	NI 188	2. Page 1 /
	3. Generator's Name and Mailing Address NIAGARA MOHAWK POWER CORPORATION 1125 Groatway, Albany Ny	12204				
	4 Comment Com (5/8 ) 4/37 7/ 9/	- 7.6. 6	ĺ			
	4. Generator's Phone (5/8) 433-3696 Barbo 5. Transporter 1 Company Name 6.	US EPA ID Number		A. State Trans	norteda ID	·
	Silvarole Trucking INC		ł		1 Phone 7/6 27	2 0741
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	9. Designated Facility Name and Site Address H5h Acres Landfill  10.		E. State Facili	ly's ID		
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	15. Special Handling Instructions and Additional Information			<del></del>		-
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	in proper condition for transport. The materials described on this manifest are not s	ubject to recersi nazarocus waste n	eguiauons.			
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## NON-HAZARDOUS WASTE MANIFEST SR

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# NON-HAZARDOUS WASTE MANIFEST



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		NON-HAZARDOUS 1. General US EPA ID No. 7	30408		Manifest Document No.	NJaa7	2. Page 1		
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MONTH DOY YALL

## TSCA Solid Waste

NYG 1383246

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DIVISION OF SOLID & HAZARDOUS MATERIALS

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

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1 1	9. Designated Facility Name and Sit CVM Chemical Serv 1550 Balmer Road	ieee,LLC	10. US EPA ID Num	ber	-	G. Stole	Facility ID		754	-8231	الدولون والدولون الدولون
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RANSPORTER	and are classified, packed, marked national government regulations are if I om a large quantity generator, I to be economically practicable and present and future threat to human generation and select the best wast Printed Typed Name	id state laws and re certify that I have that I have selected that I have selected health and the en	egulations. a program in place to d the practicable meth vironment; OR if I am	reduce the volution of treutinant, a small quantity	ma ond sloragi genera	toxicity of a p, or dispos ator, I have	wasta ganera sol currently c	iled to	the degri	se I have dete which minimis	ermined
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FACILITY		mification of receip	ot of hazardous mater	iols covered by 1)	nis man	ifest except	as noted in	tem 1			
FI	Printed/Typed Name	1077	Signature	9.00		1	1		Mo.	Day	Year



WASTE MANAGEMENT, INC.

CWM Chemical Services, L.L.C. 1550 Balmer Rd. P.O. Box 200 Model City, N.Y. 14107 716/754-9231

Federal EPA ID: NYD049836679

NIAGARA MOHAWK POWER CORP ATTN: MIKE ABBOTT NYD000730408 1125 BROADWAY ALBANY NY 12204-2505

#### CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from NIAGARA MOHAWK POWER CORP on 02/15/00 as described on Hazardous Waste Manifest number NYG1383246 Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: U00035 CWM Tracking ID: 8152356101

CWM Unit #: 1\*0 Disposal Date: 02/15/00

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

Jonna ames-Cussick

DONNA AMES-CASSICK COMPLIANCE MANAGER Certificate # 173229 02/16/00 For questions please call our Customer Service Dept. at (800) 843-3604

Year

ALBANT MACHINE SHUT FAX NO.

DEPARTMENT OF ENVIRONMENTAL CONSERVATION

2 and the NYS Department of Environmental Conservation (518) 457-7362

	NYG 1383219		DIVISION OF SOLI	ID & HAZARDOUS	MATER	IALS		0	.( )-		
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	to be economically practicable and present and future threat to human	that I have select health and the e	sed the practicable me environment; OR if I a	sthod of treatment, im a small quantity	, storag , gener	e, or otor,	dispos I have	ai cuma mada d	ently ovailab I good talth	le to me effort to	which minimizes the minimize my waste
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17. Transporter 1 Acknowledgement of Receipt of Materials				<b>-</b>	
Printed/Typed Name	Signature		Mo.	Day	Year

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

Pnnied/Typod Nome Signature

COPY 5--Generator--Mailed by TSD Facility



WASTE MANAGEMENT, INC.

CWM Chemical Services, L.L.C. 1650 Balmar Rd. P.O. Box 200 Model City, N.Y. 14107 716/754-8201

Federal EPA ID: NYD049836679

NIAGARA MOHAWK POWER CORP ATTN: MIKE ABBOTT NYD000730408 1125 BROADWAY ALBANY NY 12204-2505

#### CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from NIAGARA MOHAWK POWER CORP on 02/15/00 as described on Hazardous Waste Manifest number NYG1383219 Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: U00035 CWM Tracking ID: 8152356001 CWM Unit #: 1\*0 Disposal Date: 02/15/00

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

Jonna ames- Cussick

DONNA AMES-CASSICK COMPLIANCE MANAGER Certificate # 173228 02/16/00

For questions please call our Customer Service Dept. at (800) 843-3604

## DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS

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Please type or print. Do not staple.

ישרי-7362 ean une risational Hesponse Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

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

(Hazardous Waste Manifest 4/97

		,				
	EPA No. Manifes	Doc. No.		I miornauc	n within uired by	heavy bold line Federal Law.
3. Generator's Name and Mailing Address  FI ACLARA MONAME POWER CORP  1 25 BROADWAY			A. B. Gene	NYB92	213	237
4. Generator's Telephone \$1.00e#71 - 3592	73040		5A			
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	US EPA ID Number	/ - /		Transporter's		CO PAY TOCK
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CM CHEMICAL SERVICES, L.L.C.			II Facili			<del></del>
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11. US DOT Description (Including Proper Shipping Name, Hazard Cla		12. Conta	ainers	13. Total	14.Unit	
11. US DOT Description (including Proper Shipping Name, Hazard Cia	iss and iD Number)	Number	Туре	Quantity	Wt/Vol	I. Waste No.
aro, polychlorinated biphenyl histore, un2315, 111, marine pollutant	9,			EST		EPA
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15. Special Handling Instructions and Additional Information  a. PCB Out of Service Date: 6-07-09 CHENTEEC Energency Response Number 1900 ERVICE REQUEST/ 555241-4	Boyt 30	CN 39	7 - 2 - 2	;		
16. GENERATOR'S CERTIFICATION: I hereby declare that the co- classified, packed, marked and labeled, and are in all respects in pro- regulations and state laws and regulations.	per condition for transport by hig	phway accord	ding to appl	licable internatio	nal and I	national government
If I am a large quantity generator, I certify that I have a program in place t practicable and that I have selected the practicable method of treatment, health and the environment; OR if I am a small generator, I have made a me and that I can afford.	, storage, or disposal currently av-	ailable to me	which mini	mizes the presen	nt and fut	ture threat to human
DACK HALLENAW	Signature	Hel	ba	n		Mo. Day Year 26み700
17. Transporter 1 Acknowledgement of Receipt of Materials		1				Ma Day Yana
CCS++1 I Magain	Signature ) OI	g-				Mo. Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Signatus	<i>//</i>	<del></del>			Mo. Day Year
i ilinew i ypou italije						Mo. Day Year
19. Discrepancy Indication Space	492K			<u> </u>		
0. Facility Owner or Operator: Certification of receipt of hazardous m	aterials covered by this manife	est except a	s noted in	Item 19.		
Printed/Typed Name	Signature	$\sqrt{\lambda}$		$\sqrt{1}$		Mo. Day Year

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

**HAZARDOUS WASTE MANIFEST** 



Ple

9 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362 In case of emergency or spill immediately call the National Response Center

e type or print. Do not staple.	P.O. Box	12820, Albany	, New Yo	rk 1221:	2		(Haz	ardous Waste Manifest
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's	US EPA No.	4	st Doc. No.	2. Page	Informatio		heavy bold line Federal Law.
1125 BROADWAY	JORP 1.555	Alexandric arts agen	•		A.	NYB92	213	228
ALBANY . Generator's Telephone Wilmber († 71 – 35		<b>1-2505</b>				nerator's ID		
Transporter 1 (Company Name)		6. US EPA ID N	umber			ite Transporter's		762Nh
Transporter 2 (Company Name)		8. US EPA ID N		724		nsporter's Telep	<u></u>	it 6770
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ODEL CITY NY 14107		MYDOA	9 6 3 6	679	<u> </u>	716 754-	623	
1. US DOT Description (Including Proper Ship	oping Name, Hazard	Class and ID Numb	er)	12. Cont Number		13. Total  Quantity	14.Unit Wt/Vol	I. Waste No.
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5. Special Handling Instructions and Addition FCB Out of Service HENTREC Exergency Reservice REQUEST  6. GENERATOR'S CERTIFICATION: I classified, packed, marked and labeled, and regulations and state laws and regulations. If I am a large quantity generator, I certify that I practicable and that I have selected the practic health and the environment; OR if I am a small me and that I can afford.	hereby declare that the are in all respects in have a program in place the bable method of treatments.	proper condition for tale ace to reduce the volument, storage, or dispo	ransport by hi ne and toxicity sal currently a	of waste gen	ding to a erated to rewhich m	pplicable internation the degree I have of inimizes the prese	onal and i determine ent and fur	national government of to be economical ture threat to hum
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0. Facility Owner or Operator: Certification of			by this manif	est except a	s noted	in Item 19.		
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COPY 5-Generator-Mailed by TSD Facility

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



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

TRANSPORTER

#### HAZARDOUS WASTE MANIFEST

type or print. Do not staple.	P.O. Box 1	2820, Albany,	New Yo	rk 12212	2		(Haz	ardous Waste Manifest 4/9
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's U	US EPA No.	1. /	t Doc. No.	2. Pag	Information		heavy bold line Federal Law.
Generator's Name and Mailing Address	DRP NY 12204		<del>~ 714-</del>		A. B. G	NYB92	213	246
Generator's Telephone auriller (*** 7 1 - 350		2000			ŧ	SAME		
Transporter 1 (Company Name)		6. US EPA ID Num	nber		C. St	tate Transporter's	ID 7.3	176 3AL A
Transporter 2 (Olympany Name)	ORM	NYAHOC	045	724	_	ransporter's Telep		(30) 6779
Mansporter 2 (Company Name)		6. PUS EPRID NUIT	nber •			tate Transporter's		
Designated Facility Name and Site Address		10. US EPA ID Nu	mber			ansporter's Telepi tate Facility ID	none (	,
UN CHEMICAL SERVICES,	L.L.C.	10. 00 E/ A IS 14di	111001		J		ţ ·	
SSO BALMER RD. DDEL CITY NY 14107		N,Y,D,O,4,9	8.3.6	6.7.9	H. Fa	acility Telephone (		)
	·		<del></del>	12. Cont	ainers	13. Total	14.Unit	
US DOT Description (Including Proper Shippi	ng Name, Hazard (	Class and ID Number	)	Number	Туре	Quantity	₩t∕Vol	I. Waste No.
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Additional Descriptions for Materials listed Abo				<u>ــــــــــــــــــــــــــــــــــــ</u>	V H	andling Codes for	Mastas	Listed Abous
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inted/Typed Name  Transporter Acknowledgement of Receipt of	of Materials	Signature	4	Hel	Lo	· co	<b>—</b> (	Mo. Day Ye.
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Discrepancy Indication Space	00381	K					1_	
). Facility Owner or Operator: Certification of re		materials covered by	this manife	est except a	s noted	l in Item 19.		

COPY 5—Generator—Mailed by TSD Facility

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

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





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20) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

In case of emergency or spill immediately call the National Response Centr

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's	US EPA No.	Manifest Doc. No.				neavy bold line rederal Law.	
3. Generator's Name and Mailing Address HIAGARA MUHANK POVER CHIES BROADVAY	7	A.	YB92	213	201			
ALBANY 4. Generator's Telephone Tarker #71 - 351		B. Generator's ID						
5. Transporter 1 (Company Name)								
Transporter 2 (Company Name)		M VIRIO IO I D A	45724	D. Transpo			67677	
Talisponer 2 (company name)			'	F. Transpor			<del>-,</del>	
9. Designated Facility Name and Site Address		10. US EPA ID Numb	er	G. State Fa	cility ID			
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STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS

### HAZARDOUS WASTE MANIFEST



Please type or print. Do not staple.

In case of emergency or spill immediately call the National Response Center (890), 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

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

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3. Generator's Name and Mailing Address N1 ACARA HOHAUK POUER CORP	<del>* • * • •</del>	A. N	/B921	3282
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# STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION - DIVISION OF SOLID & HAZARDOUS MATERIALS



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

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generators US EPA No.		Doc. No.	2. Pag	intormatic		heavy bold line Federal Law.
3. Generator's Name and Mailing Address	# N 6 0 0 0 7 3 0 4	A O B WIT	<del>/ O /</del>	Α.			
NIAGAKA MOHAWK POVER ( 1125 BROADVAY	;ORP			L	NYB92	<u> </u>	264
ALBANY  4. Generator's Telephone Surface N71 - 35	NY 12204-2505 102				enerator's ID		• 4. °
. Transporter 1 (Company Name)	6. US EPA I	O Number			ate Transporter's	ID 773	7/7 W 4/6
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. Transporter 2 (Company Name)	8 / US EPA I			-	ate Transporter's		
Designated Facility Name and Site Address		1111	44		ansporter's Telep	hone (	)
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1550 BALMER RD.	10 4 10 x 2/4			H. Fa	acility Telephone		)
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US DOT Description (Including Proper Ship	ping Name, Hazard Class and ID No	umber)	12. Cont	ainers	13. Total	14.Unit	
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HENTREC Emergency Res	pones Wilser Yeo	0)424-430	Nº WA		patrict		
ERVICE REQUESTO	405-2	Ball 31	56		2/5	29	7/3-2
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health and the environment; OR if I am a small me and that I can afford.	generator, I have made a good faith effor	nt to minimize my was	ste and sele	ect the be	est waste managem	ent meth	od that is available
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20. Facility Owner or Operator: Certification of	receipt of hazardous materials cove	red by this manifes	st exce <b>p</b> t a	s noted	in Item 19.		
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#### STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS

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iii case or enrergericy or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

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

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(Hazar	dous Waste Ma	nifest 4/97)

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	NI AGARA NOHAVK POVER CO					A.	NYB92	213	273		
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ł	Transporter 1 (Company Name)		6. US EPA ID Numb	er			e Transporter's	ID 71	763N NY		
-	BUTTALL FUEL CORP		148000		71214	D. Transporter's Telephone (100) (27)					
-	7. Transporter 2 (Company Name)		8. US EPA ID Numb	er			e Transporter's l Isporter's Teleph				
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STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

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

(Hazardous Waste Manifest 4/97)

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	3. Generator's Name and Mailing Address NI AGARA MOHAVK POVER CORP 1125 BROADUAY			A.	NYB92	213	255			
		4-2505		B. Generator's ID						
İ	5. Transporter 1 (Company Name)	6. US EPA ID Number		C. State Transporter's ID 727630 NY D. Transporter's Telephone (CO) 67760						
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ł	11. US DOT Description (Including Proper Shipping Name, Hazar	d Class and ID Number)	12. Cont Number		13. Total  Ouantity	14.Unit Wt/Vol	I. Waste No.			
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	15. Special Handling Instructions and Additional Information  . PCB Out of Service Date: 6-28-00 Veight:/3636/Type: CM CHENTREC Emergency Response Rusber (800)424-9300 Vini Contract ERGS SERVICE REQUEST: 555/45-4  \$1539717-2									
	16. GENERATOR'S CERTIFICATION: I hereby declare that it classified, packed, marked and labeled, and are in all respects it regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in p practicable and that I have selected the practicable method of treat health and the environment; OR if I am a small generator, I have ma me and that I can afford.	n proper condition for transport by hig lace to reduce the volume and toxicity of ment, storage, or disposal currently av	phway accor of waste gen railable to me	ding to erated to e which	applicable Internation the degree I have of the present the presen	nal and letermine nt and fu	national government ed to be economically iture threat to human			
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Œ	17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature	-				Mo. Day Year			
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RANS	18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature				_	Mo. Day Year			
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Ě	19. Discrepancy Indication Space  Cloud Red 85.	28K/ 188001	0			-				
FACIL	20. Facility Owner or Operator: Certification of receipt of hazardo		est except a	as noted	l in Item 19.					
	Printed Typed Name	Signature	Ca	シ	la	4	Mo Day Year			

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

HAZARDOUS WASTE MANIFEST



(9) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

in case of emergency or spill immediately call the National Response Cent

e type or print. Do not staple.	P.O. BOX 12	820, Albany, New	OFK 1221	4		(Haz	ardous Waste Manifest 4/97
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US	S EPA No. Man	ifest Doc. No.		mormand		heavy bold line Federal Law.
B. Generator's Name and Mailing Address	ORP NY 12204-	e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de		A. B. Ge	NYB92	213	291
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Transporter 2 (Company Name)		8. US EPA ID Number		E. Sta	te Transporter's	DPW	3686 24
D. Designated Facility Name and Site Address		10. US EPA ID Number	7 7 7 17		ate Facility ID	ione ( , ,	V 321 /00
CVM CHEMICAL SERVICES, 1950 BALMER RD. NODEL CITY MY 14107		; , 4, 5, 6, 4, 9, 8, 3,	5.6.7.9		cility Telephone (		)
		<del></del>	12. Cont		13. Total	14.Unit	
11. US DOT Description (Including Proper Shippi	ing Name, Hazard C	lass and ID Number)	Number	Туре	Quantity	Wt/Vol	I. Waste No.
arq, polychlorinated bi un2315,111, Marine pol	PHENYL MI	XTURE, 9.			Est		EPA
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classified, packed, marked and labeled, and are regulations and state laws and regulations.  If I am a large quantity generator, I certify that I he practicable and that I have selected the practicable health and the environment; OR if I am a small ge me and that I can afford.	e in all respects in pro ave a program in place ble method of treatmen	oper condition for transport by to reduce the volume and toxic it, storage, or disposal currently	highway accor tity of waste gen y available to m	rding to ap erated to to e which m	oplicable Internation the degree I have distinguished	nai and i letermine nt and fui	national government of to be economically ture threat to human
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TIMOTHY J. OH	984	Signature	1	0%	Llaca		Mo. Day Yea
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Printed/Typed Name  EILEW CARTON		Signature Jel	P	esi	ti	(	

Please type or print. Do not staple.

In case of emergency or spill immediately call the National Response Center (ABQ) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

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

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



(Hazardous Waste Manifest 4/97

	WASTE MANIFEST	nerator's US EPA No.	Manifest Do	c. No. <b>Q</b> , <b>4</b>	2. Pag	Informati		n heavy bold line Federal Law.
	3. Generator's Name and Mailing Address NIACIARA NOHAVK POVER CORP 1125 BROADVAY		//	• •	A.	NYB9	213	309
	ALBANY 4. Generator's Telephone Signal (71 - 3502)	2204-2505				enerator's ID		ı ·
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1	77. Transporter 2 (Company Name)	8. 'US EPA ID Numb	er			ate Transporter's ansporter's Telep		
ł	9. Designated Facility Name and Site Address	10. US EPA ID Numi	per			ate Facility ID	none (	
	CUN CHEMICAL SERVICES, L.L. 1550 BALMER RD.		•		H. Fa	acility Telephone	(	)
	MODEL CITY NY 14107	N Y D O 4 9 6	366	7 9	<u> </u>	716 754-	623	
	11. US DOT Description (Including Proper Shipping Name	, Hazard Class and ID Number)	3		ainers	13. Total	14.Unit	1
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	J. Additional Descriptions for Materials listed Above				K. Ha	andling Codes for	Wastes	Listed Above
	000035 - PCB CONTAMINATED	DEBEIR WHD ROT	L		١	L	۱ ،	
		e Torres and the entered to the territory of			<u> </u>		† <u> </u>	
1	<b>b</b>	d Televisian Market			Ь		۱۵	
	15. Special Handling Instructions and Additional Information  PCS Out of Service Date:	n 7 - 11-00 Wals	ht:		Tyr	36 t		
	CHENTREC Emergency Response		4-9300	UH	u G	ostract V/	200	<b>0</b> C
	16. GENERATOR'S CERTIFICATION:   hereby decia	re that the contents of this consignr	nent are fully ar	nd accu	ırately de	8/53	proper sh	ioning name and are
	classified, packed, marked and labeled, and are in all res regulations and state laws and regulations.							
	If I am a large quantity generator, I certify that I have a progi practicable and that I have selected the practicable method health and the environment; OR if I am a small generator, I I me and that I can afford.	of treatment, storage, or disposal c	urrently availabl	e to me	e which r	ninimizes the prese	int and fu	iture threat to human
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ORTER	Printed/Typed Name	Signature	f	J.J.K	1	1		Mo. Day Year
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TRA	Printed/Typed Name	Signature						Mo. Day Year
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## STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS

### **HAZARDOUS WASTE MANIFEST**



90) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362 In case of emergency or splil immediately call the National Response Centg

P.O. Box 12820, Albany, New York 12212 Please type or print. Do not staple.

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	(Hazardous Waste Mar	nifest 4/97)

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\ L	WASTE MANIFEST NY DOOD 0730408 W.	195				Federal Law.
	3. Generator's Name and Mailing Address NI AGARA MUHAVK POWER CORP 1125 BROADVAY	•	Α.	NYB9	213	318
	ALBANY NY 12204-2505			enerator's ID	•	
+	4. Generator's Telephone 1471 - 3502  5. Transporter 1 (Company Name)  6. US EPA ID Number			ate Transporter's	ID.	1200 (
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T	7. Transporter 2 (Company Name) 8. US EPA ID Number	L	E. St	ate Transporter's	ID	
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1	9. Designated Facility Name and Site Address 10. US EPA ID Number  CUN CHENICAL SERVICES, L.L.C.		G. St	ate Facility ID		
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l	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Cont	ainers	13. Total	14.Unit	ì
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t	15. Special Handling Instructions and Additional Information	- 111 Jan	States	2 (1) 1 m f		
	. PCB Out of Service Date: 1-11-40 Weight: CHENTREC Emergency Response Bumber (600)424-93	00 PA	u TE	e i		
	R04171 0 0 20	Taring Till Taring Nation	Your Carrie			11 3
F	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fu	illy and acci	rately de	ecribed above by r		noing name and are
	classified, packed, marked and labeled, and are in all respects in proper condition for transport by hig regulations and state laws and regulations.	hway accor	ding to a	pplicable Internation	nal and	national government
	If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of practicable and that I have selected the practicable method of treatment, storage, or disposal currently av					
Ì	health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my warme and that I can afford.	aste and sel	ect the be	st waste managem	ent metho	od that is available to
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<u>.</u> }	17. Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name					Mo. Day Year
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è L	18. Transporter 2 Acknowledgement of Receipt of Materials					
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	20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manife			<del></del>		
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#### STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLD & HAZARDOUS MATERIALS



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

(Hazardous Waste Manifest 4/97)

UNIFORM HAZARDOUS WASTE MANIFEST		'S US EPA No.	شستني أ	Doc. No.	2. Page 1	Intormatic		heavy bold line Federal Law.
3. Generator's Name and Mailing Address NIAGARA POHAVE POVE			- 17 Jan	1 10	A.	NYB92	213	327
1125 BROADWAY ALBANY 4. Generator's Telephone Windler 1171	NY 1220	4-2505			B. Gene			
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7. Transporter 2 (Company Name)	Company	8. US EPA ID Num		747		Transporter's		16801-100
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#### STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS



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In case of emergency or split immediately call the National Response Center (B

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

	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's	US EPA No.	MT	197	2. Pag	imomanc		heavy bold line Federal Law.
	3. Generator's Name and Mailing Address NI AGARA MONAVK POWER CO					Α.	NYB92	213	336
	1125 BROADWAY ALBANY 4. Generator's Telephone Sidnler (*71-350	NY 12204	4~2505				enerator's ID		
ļ,	5. Transporter 1 (Company Name)		6. US EPA ID Num		~ 11 7	C. St	ate Transporter's		
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١	Designated Facility Name and Site Address     CVH CHENICAL SERVICES.	L.L.C.	10. US EPA ID Nur	nber		G. S	tate Facility ID		
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	16. GENERATOR'S CERTIFICATION: I her classified, packed, marked and labeled, and are regulations and state laws and regulations. If I am a large quantity generator, I certify that I hap racticable and that I have selected the practicable health and the environment; OR if I am a small germe and that I can afford.	e in all respects in ave a program in pla ble method of treatm	proper condition for transce to reduce the volume nent, storage, or disposal	nsport by hig and toxicity of currently av	phway accor of waste gen allable to m	ding to a erated to e which a	applicable internation the degree I have on the prese	nal and determine nt and fu	national government  Indicate to be economically ture threat to human
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STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS



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

(Hazardous Waste Manifest 4/97)

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STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF SOLID & HAZARDOUS MATERIALS



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

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's	US EPA No.	مسيم و ا	Doc. No.	2. Pag	Intomatic		heavy bold line Federal Law.				
3. Generator's Name and Mailing Address NIAGARA NOHAWK POWER CL		14   14   Nat   Nat   Nat	N I I	<del>1 77</del>	A.	NYB92	213	345				
1125 BROADWAY	NY 1220	1-2505			B. Generator's ID							
4. Generator's Telephone dender (171 - 350)	)2	*			SAME							
5. Transporter 1 (Company Name)	A Tue	6. US EPA ID Nu		,,, <u> </u>		ate Transporter's	FA	5496(NY)				
7. Transporter 2 (Company Name)	P INC.	NY 1981 8. US EPA ID NU	1.16i <del>1</del> 1. mber	7.5.1		ansporter's Telep		16 827-72				
HAZMAT ENV. BRP.	INC	N Y D 9 8 6	769	947		ansporter's Telepi	-/-	16 8277200				
9. Designated Facility Name and Site Address		10. US EPA ID N			G. St	ate Facility ID						
CWM CHEMICAL SERVICES, 1550 BALNER RD.	L.L.G.	1			H. Fa	cility Telephone (		)				
MODEL CITY NY 14107		N Y D O 4 9	8 3 6	8 7 9		716 754-						
11. US DOT Description (Including Proper Shippi	ing Name, Hazard	Class and ID Number	er)	12. Conta		13. Total	14.Unit					
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15. Special Handling Instructions and Additional PCB Out of Service 1	ote:	15-00 %	ighte/3	636	(Tr	10 I		-				
CHEMTREC Emergency RespiERG#171	oase No		424-941	NO WE	1,60	Horrage t						
SERVICE REQUEST# 55	1741	A STATE OF THE STA		· ·	8	15303	19					
16. GENERATOR'S CERTIFICATION:   he classified, packed, marked and labeled, and are	reby declare that the in all respects in	e contents of this consi proper condition for the	ignment are full ansport by high	y and accu way accor	rately de ding to a	scribed above by p pplicable internatio	roper shi nal and i	pping name and are national government				
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## ' STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS

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

(Hazardous Waste Manifest 4/97)

	UNIFORM HAZARDOUS WASTE MANIFEST	I A 477	st Doc. No.	2. Page	Imoman		heavy bold line Federal Law.
'	3. Generator's Name and Mailing Address NIAGARA NOHAYK POYER CI 1125 BROADVAY	orp		Α.	NYB92	213	354
	ALBANY 4. Generator's Telephone 3140er 971 - 356	NY 12204-2505 02		-	nerator's ID		
ł	5. Transporter 1 (Company Name)	6. US EPA ID Number	- 11-		ite Transporter's	ID .	129PUY
	HIZACT Environmental G. Transporter 2 (Company Name)	8. US EPA ID Number	97/		ansporter's Telepate Transporter's		16 827-720
			1 1 1		insporter's Telepl		· · · · · · · · · · · · · · · · · · ·
ſ	9. Designated Facility Name and Site Address	10. US EPA ID Number		G. Sta	ate Facility ID		
	CVM CHEMICAL SERVICES, 1550 BALMER RD. MODEL CITY NY 14107	H,Y,D,O,4,9,8,3,6	679		cility Telephone		}
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	15. Special Handling Instructions and Additional  a. PCB Out of Service I CHEHTREC Emergency Reason RCC SERVICE REQUEST	bter <u>A-14-00</u> Velentil	36%		introct	·/	
	classified, packed, marked and labeled, and ar regulations and state laws and regulations. If I am a large quantity generator, I certify that I h.	ereby declare that the contents of this consignment are to all respects in proper condition for transport by heave a program in place to reduce the volume and toxicity ble method of treatment, storage, or disposal currently a	of waste gen	ding to a erated to the	pplicable internation	onai and determine	national government and to be economically
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STATE OF NEW YORK

DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS



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

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3. Generator's Name and Mailing Address NIALIARA NOHAVE POWER CX			A.	NYB92	213	408
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Generator's Telephone author (* * * * * * * * * * * * * * * * * * *	6. US EPA ID Number			ate Transporter's	ID 4 =	
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11. US DOT Description (Including Proper Shippi	ing Name, Hazard Class and ID Number)	12. Cont	. 1	13. Total	14.Unit	
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15. Special Handling Instructions and Additional			10		<u> </u>	
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SERVICE REQUESTS 577	741-1	1		015-3	<i>^</i> ~ `	. 7
16. GENERATOR'S CERTIFICATION: I he	ereby declare that the contents of this consignment are for	ully and accu	rately de	scribed above by p	proper shi	pping name and are
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STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**☞** DIVISION OF SOLID & HAZARDOUS MATERIALS



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

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	3. Generator's Name and Mailing Address NI AGARA HOHAUK POVER CORP 1125 BROADUAY ALBANY NY 12204-2505 4. Generator's Telephone 50 https://doi.org/10.1007/10.1		B. Ge	NYB92 enerator's ID	213	399		
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			F. Transporter's Telephone ( )					
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	15. Special Handling Instructions and Additional Information PCB Out of Service Date 7-13 Out 134-300 William Contract ERGITA BERVICE REQUEST: 5577,41-2 R.D. 2 SJS303JS  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 generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to							
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-	20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manife		as noted	in Item 19.				
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STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZAROSUS MATERIALS
HAZARDOUS WASTE MANIFEST



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5. Transporter 1 (Company Name)	6. US EPA ID Number			ate Transporter's	ID 🔎	veuel (v)
HAZMAT ENV GRP TH	C NY198076	19947		ansporter's Telep		16 577 7
7. Transporter 2 (Company Name)	8. JUS EPA ID Number			ate Transporter's ansporter's Telep		, -
Designated Facility Name and Site Address	10. US EPA ID Number	1		ate Facility ID	none (	
CWN CHENICAL SERVICES, L.L.C						
1550 BALHER RD. MODEL CITY NY 14107	N,Y,D,O,4,9,8,3	6679	H. Fa	cility Telephone		)
		12. Con	tainers	13. Total	14.Unit	
11. US DOT Description (Including Proper Shipping Name, H	azard Class and ID Number)	Number	Туре	Quantity	Wt/Vol	I. Waste No.
aro, polychlorinated bipheny	L MIXTURE, 9.					EPA
UN2315, III, MARINE POLLUTANT		001	OM	13636	K	D&I&IF
b.	en the section of the section			e pues set se		EPA
		1 1				STATE
C.				<del></del>		EPA
						STATE
d.				\$3. 4.		EPA
	: * 1		, 1	`		STATE
J. Additional Descriptions for Materials listed Above			K. Hi	andling Codes for	Wastes	Listed Above
UOO035 - PCB CONTANINATED E	EBRIS AND SOIL			I.	1.	
- Ψ	· · · · · · · · · · · · · · · · · · ·	<del></del>	+		+-	
 		,				
15. Special Handling Instructions and Additional Information a. PCB Out of Service Date: CHENTRIC Emergency Response ERG// SERVICE REQUEST: 55.77.44	2-13:148.85422	13636	שיא	seträct 8/	< 3 <i>(</i>	SUL
16. GENERATOR'S CERTIFICATION: I hereby declare classified, packed, marked and labeled, and are in all respe regulations and state laws and regulations If I am a large quantity generator, I certify that I have a program practicable and that I have selected the practicable method of health and the environment; OR if I am a small generator, I have	cts in proper condition for transport to the place to reduce the volume and tox treatment, storage, or disposal curren	by highway acco ticity of waste ger tly available to m	rding to a nerated to se which t	applicable Internation the degree I have a minimizes the presentations.	onal and determine ent and fu	national government d to be economically ture threat to human
me and that I can afford.  Printed/Typed Name  D. B.U.E. B. A.D.C.O.C.	Signature	B	_0_	ene P	<u>·                                    </u>	Mo. Day Year
17. Transporter 1 Acknowledgement of Receipt of Materials				/		
Printed/Typed Name	Signature	10	~Y'	1/-		Mo. Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials	- removed			- corre		271/200
Printed/Typed Name	Signature		,	<del></del>		Mo. Day Year
19. Discrepancy Indication Space	10 K 11+1	1 9	2 4.	ates 10		
20. Facility Owner or Operator: Certification of receipt of haz	ardous materials covered by this m	nanifest except	as noted	in Item 19.	004	ud
Printed Typed Name  WSW  NIND	Signature		n r	Oid		Mo. Day Year
COPY 5-G	Generator—Mailed by TS	D Facility	***	7		<del>/ ^   / \ \</del>

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

Sir



<b>HAZARDOUS WASTE MANIFEST</b>	
P.O. Box 12820, Albany, New York 12212	

se type or print. Do not staple.	P.O. Box	12820, <b>A</b> lbany, New Yo	rk 12212	2		(Haz	ardous Waste Manifest 4/97
UNIFORM HAZARDOU WASTE MANIFEST	NYDOO		St Doc. No.	2. Pag	' Intormatio		heavy bold line Federal Law.
3. Generator's Name and Mailing Addre NI AGARA MOHAVK POV 1125 BROADVAY ALBANY	ER CORP	)4~250 <b>8</b>		A. B. Ge	NYB92	213	372
4. Generator's Telephone and the e					SANE	_	4
5. Transporter 1 (Company Name)		6. US EPA ID Number			ate Transporter's		
Hazmat Environmental C	YOUR INC	NY 09 8 07 69	ga!	D. Tr	ansporter's Telep	hone (7	16 827-7280
7. Transporter 2 (Company Name)	·	8. US EPA ID Number			ate Transporter's		<del></del>
Designated Facility Name and Site A	44				ansporter's Telepi	none (	)
•		10. US EPA ID Number		G. SI	tate Facility ID		
CUN CHENIGAL SERVI 1550 BALMER RD. MODEL CITY NY 1410		  N,Y,D,O,4,9,6,3,6	6.7.9	H. Fa	acility Telephone (	8231	
			12. Cont	ainers	13. Total	14.Unit	
11. US DOT Description (Including Pro	per Shipping Name, Hazar	rd Class and ID Number)	Number	.	Quantity	Wt/Vol	I. Waste No.
a.RQ. POLYCHLORIMAT	ED BIPHENYL	MIXTURE.9.					EPA
arq, Polychlorimat un2315,111, marine	POLLUTANT		004	CM	13636	K	Boot
b.							EPA
<u>~</u>		•	 				STATE
C.							EPA
	n - 54.	•	ļ , ,				STATE
d.							EPA
							STATE
· · · · · · · · · · · · · · · · · · ·					1 1 1		SIAIE
J. Additional Descriptions for Materials  U00035 - PCB CONT  a		BRIS AND SOIL	·. • l	K. Ha	andling Codes for	Wastes	Listed Above
b l	• 1 1 d			ь		۵	
15. Special Handling Instructions and CB Out of Servine MTRRC Emergency RUYICE WEGUESTP  16. GENERATOR'S CERTIFICATI classified, packed, marked and labele regulations and state laws and regulating and state laws and regulating and that I have selected the health and the environment; OR if I am me and that I can afford.	ON: I hereby declare that sed, and are in all respects in ons.  tify that I have a program in ple practicable method of treat	n proper condition for transport by his place to reduce the volume and toxicity transt, storage, or disposal currently as	ghway accor of waste gen- vailable to me	ding to a erated to e which r	applicable internation the degree I have ominimizes the prese	onal and indicated and indicat	national government d to be economically ture threat to human
Printed/Typed Name  DAVE BA	DLOCK	Signature Dawe	E	Sac	Jeock		Mo. Day Yea
17. Transporter 1 Acknowledgement o	f Receipt of Materials						
Panted/Typed Name Unla 600 dwin		Delle Derl	<b>=</b>				Mo. Day Yea
18. Transporter 2 Acknowledgement o	f Receipt of Materials				. = -		
Printed/Typed Name		Signature					Mo. Day Yea
19. Discrepancy Indication Space	<del></del>	876 K W	est	. 0	encetor	Νs	olved.
20. Facility Owner or Operator; Certific	cation of receipt of hazardo	ous materials covered by this manife	est except a	as(hote <del>l</del>	in Item 19.		Mo. / Day /Ye
SAN	) rids	Suna		m		.**	(17119

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

COPY 5—Generator—Mailed by TSD Facility

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



Please type or print. Do not staple.

20) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

in case of emergency or spill immediately call the National Response Center (

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

UNIFORINI DAZARDOUS		Manifest Doc. No.	2. Page 1 o	Innomiano		heavy bold line Federal Law.
Generator's Name and Mailing Address	<u>  ២០០០ ១០០០ ២</u>	NICOS	A.			
NIACIARA MOHANK POVER CORF 1125 BROADVAY				YB92	<u> 13</u>	444
ALBANY 4. Generator's Telephone Sufficient 971 - 3502	7 12204-2505		B. Genera			"
5. Transporter 1 (Company Name)	6. US EPA ID Number			ransporter's l	D	7145
Roffulo Exterio	14000000	41 ST 71 : 14		orter's Teleph		7173 617
7. Viensporter 2 (Company Name)	8. US EPA ID Number			ransporter's I		0,,00
Designated Facility Name and Site Address	10. US EPA ID Number		G. State F	orter's Teleph acility ID	ione (	
CUN CHEMICAL SERVICES, L.	.L.C.					
1550 BALMER RD. MODEL CITY NY 14107	N Y D O 4 9 8	3 6 6 7 9		Telephone (		
11. US DOT Description (Including Proper Shipping N	Name, Hazard Class and ID Number)	12. Cont		3. Total	14.Unit	
and naranten way ind no.	GENVI MIVTIDE O	Number	<del></del>	Quantity	Wt/Vol	I. Waste No.
arq, polychlorinated bipi un2315,111, marine pollu	TANT			st,		
<u> </u>		001	CMI	1636	K	<b>BEIOT</b>
b						EPA
			] , ] ,		,	STATE
C.	<del></del>			<del></del>		EPA
·						STATE
d.			╂┸	<del></del>		EPA
		, ,	<u> </u>			STATE
·	<del></del>			للليك		
J. Additional Descriptions for Materials listed Above  GOOD35 - PCB CONTANINATION  OUTPILITIES	ED DEBRIS AND SOIL	*.	K. Handlin	g Codes for t	Wastes I	isted Above
a	<u> </u>	<del>  •                                    </del>	a		c .	
•			, 11		1.	
b  15. Special Handling Instructions and Additional Infor	mation '	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u> </u>		l d	
a. PCB Out of Service Dat CHENTREC Emergency Respon ERG#171	or Holes	*\$63636	Cont	ract		i
SERVICE REQUESTS 57	740-1	17	$\mathcal{L}$	530	324	
16. GENERATOR'S CERTIFICATION: I hereby classified, packed, marked and labeled, and are in a						
regulations and state laws and regulations.  If I am a large quantity generator, I certify that I have a						Ū
practicable and that I have selected the practicable me health and the environment; OR if I am a small generat me and that I can afford.	ethod of treatment, storage, or disposal curr	ently available to m	which minimi	zes the preser	nt and fut	ure threat to human
Printed/Typed Name	Signature	17 : 14	0 1	<del>.</del>		Mo. Day Year
17. Transporter 1 Acknowledgement of Receipt of Ma	oterials Da	the l	3al	cock	4	17 1300
Printed/Typed Name	Signature		<del></del>			Mo. Day Year
E Wilson		July 1			يا	حصالا المالاك
18. Transporter 2 Acknowledgement of Receipt of Ma	<del> </del>					Mo. Day Year
Printed/Typed Name	Signature					Mo. Day Year
19. Discrepancy Indication Space		<u> </u>				<del></del>
actual Bland	118931			·		·
20. Facility Owner or Operator: Certification of receip	<del></del>	manifest except a	s noted in Ite	m 19.		
Printed/Typed Name	Signature 2.		1			Mo. Day Year

COPY 5-Generator-Mailed by TSD Facility

# STATE OF NEW YORK

DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS



(Hazardous Waste Manifest 4/97)

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

	00730408WI	206	2. Pag			heavy bold line Federal Law.
3. Generator's Name and Mailing Address	D IO A IS IO IN IO IO IVAN		Ä.	NVDO	040	105
NIAGARA MOHAVK POVER CORP				NYB9	<u>213</u>	435
ALBANY 4. Generator's Telephone Subser #91 - 3502	204-2605			enerator's ID		
5. Transporter 1 (Company Name)	6. US EPA ID Number		C. Sta	ate Transporter's	ID 74	TC3 N NY
BUFFALD FUEL COAP	8. US EPA ID Number	171214				100)677800
7. Transporter 2 (Company Name)	8. US EPA ID Number	<b>V</b>	E. Sta	ate Transporter's	i ID	
Designated Facility Name and Site Address		ــــــــــــــــــــــــــــــــــــــ		ansporter's Telep	ohone (	)
CUN CHENICAL SERVICES, L.L.C.	10. US EPA ID Number		G. St	ate Facility ID		
1550 BALNER KD.	•		H. Fa	cility Telephone	(	)
MODEL CITY NY 14107	W,Y,D,O,4,9,8,3,6	6 7 9		716 754	-823	Ĺ
11. US DOT Description (Including Proper Shipping Name, Ha	zard Class and ID Number)	12. Cont	ainers	13. Total	14.Unit	
		Number	Туре	Quantity	₩tVol	I. Waste No.
arq, polychlorinated biphenyi un2315, III, Marine pollutant	. MIXTURE, 9,		1 1	Est,		EPA
UM2313, III, MARINE PULLUIAMI	<i>9</i> 7	1,00	OM	13,636	\ <u>\</u>	escote
b.		- F- Ja	<del>          </del>		1	EPA
<u> </u>	n de la companya de l				1,_	STATE
<b>c</b> .						EPA
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d.			╂┷┷┪		<b>↓</b> —	EPA
u.						EPA
					1	STATE
				1 1 1 1		
J. Additional Descriptions for Materials listed Above			K, Ha	Indling Codes fo	r Wastes	Listed Above
U00035 - PCB CONTAMINATED D	EBRIS AND SOIL			andling Codes fo		Listed Above
·	EBRIS AND SOIL	•	K. Ha	andling Codes fo	r Wastes	Listed Above
a a a a a a a a a a a a a a a a a a a	EBRIS AND SOIL	• 1		andling Codes fo		Listed Above
b PCB CONTAMINATED D	1	•	a			Listed Above
b d  15. Special Handling Instructions and Additional Information  PCB Out of Bervice Date:	1	3636.	a			Listed Above
b  15. Special Handling Instructions and Additional Information  PCB Out of Service Date:  CHETREC Emergancy Response in	7-13-00 weight:	3636	a b	L De:	c d	Listed Above
b d  15. Special Handling Instructions and Additional Information  PCB Out of Service Date:	7-13-00 weight:	3636	a b		c d	Listed Above
b  15. Special Handling Instructions and Additional Information  PCB Out of Service Date:  CHENTREC Energency Response R	2-13-06 Ve i ght is 224-93	ully and accu	a b	L Datract S 303/6 scribed above by	d d	ipping name and are
b  15. Special Handling Instructions and Additional Information PCB Out of Service Date: CHETTEC Emergency Response Resource Requests Service Requests 16. GENERATOR'S CERTIFICATION: I hereby declare the classified, packed, marked and labeled, and are in all respect regulations and state laws and regulations.	2-13-00 we ight: 2  at the contents of this consignment are fits in proper condition for transport by his	ully and accu	a b	etract S303/6 scribed above by	d d	ipping name and are national government
b  15. Special Handling Instructions and Additional Information  16. GENERATOR'S CERTIFICATION: I hereby declare the classified, packed, marked and labeled, and are in all respect regulations and state laws and regulations.  If I am a large quantity generator, I certify that I have a program practicable and that I have selected the practicable method of the control of the contro	at the contents of this consignment are fis in proper condition for transport by his in place to reduce the volume and toxicity realment, storage, or disposal currently a	ully and according according to the second of waste gen vailable to m	a b curately de ding to a derated to e which n	scribed above by applicable internate the degree I have ninimizes the present the degree I have ninimizes the present the degree I have ninimizes the present the degree I have ninimizes the present the degree I have ninimizes the present the degree I have ninimizes the present the degree I have ninimizes the present the degree I have ninimizes the present the degree I have ninimizes the present the degree I have ninimized the degree I have ninimi	d d	ipping name and are national government and to be economically ture threat to human
b  15. Special Handling Instructions and Additional Information  PCB Out of Bervice Dates  CHETTEE Emergency Response R  BERVICE REQUEST  16. GENERATOR'S CERTIFICATION: I hereby declare the classified, packed, marked and labeled, and are in all respect regulations and state laws and regulations.  If I am a large quantity generator, I certify that I have a program	at the contents of this consignment are fis in proper condition for transport by his in place to reduce the volume and toxicity realment, storage, or disposal currently a	ully and according according to the second of waste gen vailable to m	a b curately de ding to a derated to e which n	scribed above by applicable internate the degree I have ninimizes the present the degree I have ninimizes the present the degree I have ninimizes the present the degree I have ninimizes the present the degree I have ninimizes the present the degree I have ninimizes the present the degree I have ninimizes the present the degree I have ninimizes the present the degree I have ninimizes the present the degree I have ninimized the degree I have ninimi	d d	ipping name and are national government and to be economically iture threat to human
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b  15. Special Handling Instructions and Additional Information  CHESTREC Exergency Responses In Classified, packed, marked and labeled, and are in all respect regulations and state laws and regulations.  If I am a large quantity generator, I certify that I have a program practicable and that I have selected the practicable method of the health and the environment; OR if I am a small generator, I have me and that I can afford.  Printed/Typed Name  17. Transporter 1 Acknowledgement of Receipt of Materials	at the contents of this consignment are fis in proper condition for transport by him place to reduce the volume and toxicity reatment, storage, or disposal currently a made a good faith effort to minimize my with the storage of the	ully and according according to the second of waste gen vailable to m	a burately dearding to a erated to e which need the beautiful and	scribed above by applicable internate the degree I have inimizes the present waste manager	d d	ipping name and are national government od to be economically ture threat to human od that is available to
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b  15. Special Handling Instructions and Additional Information  CHETTEL EDGE OF BETT CONTROL  16. GENERATOR'S CERTIFICATION: I hereby declare the classified, packed, marked and labeled, and are in all respect regulations and state laws and regulations.  If I am a large quantity generator, I certify that I have a program practicable and that I have selected the practicable method of the health and the environment; OR if I am a small generator, I have me and that I can afford.  Printed/Typed Name  17. Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Materials	at the contents of this consignment are fis in proper condition for transport by his in place to reduce the volume and toxicity reatment, storage, or disposal currently a made a good faith effort to minimize my with the signature.  Signature	ully and according according to the second of waste gen vailable to m	a burately dearding to a erated to e which need the beautiful and	scribed above by applicable internate the degree I have inimizes the present waste manager	d d	ipping name and are national government od to be economically sture threat to human od that is available to  Mo. Day Year  Mo. Day Year  Mo. Day Year
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# STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF SOLID & HAZARDOUS MATERIALS



Pleas

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

HAZARDOUS WASTE MANIFEST

type or print. Do not staple.	P.O. Box	12820, <b>A</b> lbany, New	York 12212	2 '	<b>U1</b> X	(Haz	ardous Waste Manifest 4/97
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's	1	nifest Doc. No.	2. Pag	· I momatio		heavy bold line Federal Law.
Generator's Name and Mailing Address	CORP CORP	<u> </u>	170/	A.			
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Designated Facility Name and Site Address		10. US EPA ID Number		G. S	tate Facility ID		
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DEL CITY NY 14107		M,Y,D,O,4,9,8,3	6 6 7 9	N. F.	acility Telephone (		ì
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Facility Owner or Operator: Certification o	f receipt of hazardou	is materials covered by this m	anifest except a	s noted	in Item 19.		
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COPY 5-Generator-Mailed by TSD Facility

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



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

HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212 Please type or print. Do not staple.

	WASTE MANIFEST NO DO		208	2. Pag	Information		n heavy bold line Federal Law.
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1	ALBANY NY 1220	4-2505			enerator's ID		•
ı	4. Generator's Telephone <b>Surfa</b> er <b>471 - 3502</b>				SAME		
- 1	5. Transporter 1 (Company Name)	6. US EPA ID Number	3.4	C. St	ate Transporter's	ID 7	197-1:4
- 1	Buttale Fuel CORP	NYKODANHE	724	D. Tr	ansporter's Telepi	none 🛴	00 208 1057
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1	•		1. ( )	F. Tr	ansporter's Teleph	none (	)
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- 1	CWM CHEMICAL SERVICES, L.L.C.	*		1	•		
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			12. Cont	oinere l	13. Total	14.Unit	
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STATE OF NEW YORK ;
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ODVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

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COPY 5—Generator—Mailed by TSD Facility

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

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#### HAZARDOUS WASTE MANIFEST

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P.O. Box 12820, Albany, New York 12212 1. Generator's US EPA No. Manifest Doc. No. 2. Page 1 of **UNIFORM HAZARDOUS** Information within heavy bold line Is not required by Federal Law. **WASTE MANIFEST** NY DOOON BOA ON 3. Generator's Name and Mailing Address
NI AGARA HOHAVK POVER CORP 1125 BROADWAY B. Generator's ID ALBANY NY 12204-2505 4. Generator's Telephone winder 7 1 - 3502 SAHE Transporter 1 (Company Name) 6. US EPA ID Number JAK C. State Transporter's ID # 1 1 1 6 2 7 6 4 9 4 7 8 8 USEPA ID Number A Z AAA T E ALV. LE ARC ALTH L Transporter 2 (Company Name) D. Transporter's Telephone (\* E. State Transporter's ID ENV. F. Transporter's Telephone (ファー) ション・アンの GROUP MY1019181017161919141 9. Designated Facility Name and Site Address G. State Facility ID 10. US EPA ID Number CVN CHENICAL SERVICES. L.L.C. 1550 BALMER RD. H. Facility Telephone ( 716 754-8231 8, 7, 3, 3, E, 3, E, P, O, O, Y, W MUDEL CITY NY 14107 13. Total 14.Unit 12. Containers 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) I. Waste No. Number | Type Quantity Wt/Vol and, POLYCHLORINATED MILITANT UN2315, 111, MARINE POLLUTANT FΡΔ POLYCHLORINATED BIPHERYL MIXTURE, 9, ustate EPA STATE C. **EPA** STATE FΡΔ STATE Additional Descriptions for Materials listed Above K. Handling Codes for Wastes Listed Above UOOO35 - PUB CONTAMINATED DEBRIS AND SOIL 15. Special Handling Instructions and Additional Information

PCB Out of Service Date:

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ERG/1/1 1800)424-9300 SERVICE REQUESTA 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 generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford. Printed/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Year Signature Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Year -AANK 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

COPY 5—Generator—Mailed by TSD Facility

# STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**DIVISION OF SOLID & HAZARDOUS MATERIALS** 



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

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	3. Generator's Name and Mailing Address NIAGARA MUHAWK POWER CO 1125 BROADWAY			•		A.	NY	/B92	213	471	]
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# STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS

## HAZARDOUS WASTE MANIFEST

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the MYS Department of Environmental Conservation (518) 457-7362

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COPY 5-Generator-Mailed by TSD Facility

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

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

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	20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manife	ast avant	ae notos	l in Item 10		
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#### STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF SOLID & HAZARDOUS MATERIALS



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Printed/Typed Name

00) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

In case of emergency or spill immediately call the National Response Center

	ARDOUS WASTE MAN lox 12820, Albany, New Yo		•	Dir	(Haz	CVM1 ardous Waste Manifest 4/97)
WASTE MANIFEST MIX DO	ator's US EPA No. Manifes	2 1,4	2. Pag	momanc		heavy bold line Federal Law.
3. Generator's Name and Mailing Address NI AJARA MOHAVK POVER CURP 1125 BROADVAY ALBANY NY 12	204-2505	,,,,	A. B. Ge	NYB92	213	543
4. Generator's Telephone Wilher #71-3502	····			AME		
5. Transporter 1 (Company Name)  HATHER ENVIOLENCE COUP III Transporter 2 (Company Name)	6. US EPA ID Number 8. US EPA ID Number	9.47	D. Tr	ate Transporter's ansporter's Teleph ate Transporter's I	hone (	жір( N.Y) <del>16 827 72</del> 0
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16. GENERATOR'S CERTIFICATION: I hereby declare t classified, packed, marked and labeled, and are in all respective regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program practicable and that I have selected the practicable method of health and the environment; OR if I am a small generator, I have me and that I can afford.	cts in proper condition for transport by hig in place to reduce the volume and toxicity of treatment, storage, or disposal currently av	phway accord of waste gene vailable to me	ing to a rated to which r	the degree I have do ninimizes the presentation	nai and i determine nt and fui	national government and to be economically ture threat to human
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Transporter 2 Acknowledgement of Receipt of Materials     Printed/Typed Name	Signature		<u>"                                    </u>		i	Mo. Day Year
10 Disconsisted States						

Signature

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

DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF SOLID & HAZARDOUS MATERIALS





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

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

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No. Manife	st Doc. No.	2. Pa	Innomatic		heavy bold line Federal Law.
3. Generator's Name and Mailing Address NIAGARA MOHAVK POWER OX 1125 BROADVAY	PRP		A.		213	534
ALBANY 4. Generator's Telephone Sunder 871 - 350	NY 12204-2505 2	in the state of		enerator's ID	1675	totalengin
5. Transporter 1 (Company Name)	6. US EPA ID Number	15,5	C. S	tate Transporter's	ID/S	OLIAUY
HAZMAT ENVIRONINTAL		947		ransporter's Telep		
7. Transporter 2 (Company Name)	8. US EPA ID Number	Talanda Talanda		tate Transporter's		
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#### STATE OF NEW YORK WITH HER WITH DEPARTMENT OF ENVIRONMENTAL CONSERVATION

→DIVISION OF SOLID & HAZARDOUS MATERIALS

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





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424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

case of emergency or splil immediately call the National Response Center

1. Generator's US EPA No. Manifest Doc. No. 2. Page 1 of **UNIFORM HAZARDOUS** Information within heavy bold line WASTE MANIFEST is not required by Federal Law. ROSTOGGG 3. Generator's Name and Mailing Address
BIAGARA NOMANK POWER CORP
1125 BROADWAY ALBANY B. Generator's ID 12204-2505 Generator's Telephone Timber # 7 1 - 4502 BANK Transporter 1 (Company Name) 6. US EPA ID Number C. State Transporter's ID Transporter's Telephone E. State Transporter's ID F. Transporter's Telephone Designated Facility Name and Site Address 16. US EPA ID Number G. State Facility ID CUN CHENICAL SERVICES, L.L.C. 1550 BALHER RO. H. Facility Telephone ( 716 754-0291 # Y D O 4 9 8 3 6 6 7 9 HODEL CITY WY 14107 13. Total 14.Unit 12. Containers 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) Number | Type Wt∕\ol I. Waste No. Quantity RQ, POLYCHLORINATED SIPHENYL UN2315,111, MARINE POLLUTARY **EPA 4038** b. **EPA** GENERATOR STATE **EPA** STATE ٠d. FPA STATE Additional Descriptions for Materials listed Above K. Handling Codes for Wastes Listed Above - PCB CONTANINATED DEBRIS AND SOIL (17 V.9.0) Special Handling Instructions and Additional Information PCB Out of Service Date: Eur Emergency Resposse SERVICE REQUEST! 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 generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to Printed/Typed Name Mo. Day Year ent of Receipt of Materials Day Printed/Typed Name Mo. Year Transporter 2 Acknowledg Printed/Typed Name Signato Indication Space Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Mo. Day Signature Year

-Generator—Mailed by TSD Facility

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



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) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

in case of emergency or spill immediately call the National Response Cenj

## HAZARDOUS WASTE MANIFEST

e type or print. Do not staple.	P.O. <b>B</b> ox 12	2820, Albany,	New You	k 12212	2		(Ha	zardous Waste Manifest 4/97)
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's U			Doc. No.	2. Pag	I informa	tion withir quired by	n heavy bold line Federal Law.
3. Generator's Name and Mailing Address HIAGARA NOHAVE POVER C 1125 BROADVAY ALBANY 4. Generator's Telephone 166 F 171 - 35	URP NY 12204-					NYB9	213	507
5. Transporter 1 (Company Name)		6. US EPA ID Nun	nber			ate Transporter	s ID 🥌	
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15. Special Handling Instructions and Additional PCB Quit of Service Interest of Servi	preby declare that the re in all respects in pure lave a program in place ble method of treatments.	contents of this consignoper condition for training to reduce the volume of the storage, or disposa	gnment are full insport by high and toxicity our currently ave	lly and accur hway accord f waste general allable to me	irately deding to a	pplicable interna the degree I have ninimizes the pre	ional and determine sent and fu	national government ed to be economically iture threat to human
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COPY 5—Generator—Mailed by TSD Facility

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

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2) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

in case of emergency or spill immediately call the National Response Center 🖰

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

Hazardous Waste Manifer

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's	1	O & WI	2.32	2. Page 1	Informatio	n within uired by	heavy bold line Federal Law.
3. Generator's Name and Mailing Address  #I AGARA MOHAVK POVER ( 1125 BROADVAY  ALBANY	XORP MY 12204					NYB92	213	516
4. Generator's Telephone and Generator's Telephone	102	1-2000				ME	***	
5. Transporter 1 (Company Name)	_	6. US EPA ID I		0.17		Transporter's		
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7. Transporter 2 (Company Name)	N	6. US EPAID	vumber			Transporter's I		1731-17
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CUN CHENICAL SERVICES.	L.L.C.					•		ì
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11. US DOT Description (Including Proper Ship	ping Name, Hazard	Class and ID Num	nber)	12. Conti		13. Total	14.Unit	/
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15. Special Handling Instructions and Additions PCB Out of Service CHEMTREC Exergency Res ERGINERATION SERVICE REQUESTS 559	posse Min	Red van St. Addressing	position of bes	a dimin		$-\Delta L$		828
16. GENERATOR'S CERTIFICATION: It classified, packed, marked and labeled, and a regulations and state laws and regulations.  If I am a large quantity generator, I certify that I practicable and that I have selected the practic health and the environment; OR if I am a small me and that I can afford.	have a program in pla	proper condition for ace to reduce the volu- nent, storage, or disp	transport by hig ume and toxicity o losal currently av	hway accord of waste general allable to me	ding to app erated to the which min	licable Internation e degree I have d imizes the preser	nal and o etermine nt and fu	national government d to be economically ture threat to human
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18. Transporter 2 Acknowledgement of Receipt Printed Typed Name	ot of Materials	Signature	and S	/* /	Len	anil		Mo. Day Year
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STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION

\*DIVISION OF SOLID & HAZARDOUS MATERIALS



HAZARDOUS WASTE MANIFEST Please type or print. Do not staple. P.O. Box 12820, Albany, New York 12212 Generator's US EPA No. Manifest Doc. No. 2. Page 1 of **UNIFORM HAZARDOUS** Information within heavy bold line is not required by Federal Law. WASTE MANIFEST 3. Generator's Name and Mailing Address
NI AGARA BOHAVK POVER CORP 561 1125 BROADWAY 8 Generator's ID ALBANY 12204-2505 Generator's Telephone Warmer #71 ~ 3502 BAHE Transporter 1 (Company Name) 6. US EPA ID Number C. State Transporter's ID HAZMAT ENVIRONMENTAL 1 10 98 10 17 1619 1417 8. USEPAID Number Transporter's Telephone Transporter 2 (Company Name) State Transporter's ID Transporter's Telephone 9. Designated Facility Name and Site Address 10. US EPA ID Number G. State Facility ID CUN CHENICAL SERVICES, L.L.C. 1550 BALMER RD. H. Facility Telephone ( 754-8231 716 MODEL CITY NY 14107 # | Y | D | O | 4 | 9 | B | 3 | 6 | 6 | 7 | 9 12. Containers 13. Total 14.Unit 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) Wt/Vol I. Waste No. Number | Type Quantity POLYCHLORINATED BIPHENYL MIXTURE.9, **EPA** UN2315, 111, MARINE POLLUTANT ⅎℇ℧℧ℱ b. EPA 5.1 100 . 3.23 STATE C. **EPA** STATE d FPA STATE Additional Descriptions for Materials listed Above K. Handling Codes for Wastes Listed Above PCB CONTAMINATED DEBRIS AND SOIL U00035 -Special Handling Instructions and Additional Information PCB Out of Service Date: 200chentre' SERVICE REQUEST! 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 generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford. Name Signatu Mo. Day Year Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Mo. Dav Year SAWYER ポルルト 6 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Mo. Day Year

Generator—Mailed by TSD Facility

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

124-8802 and the NYS Department of Environmental Conservation (518) 457-7362 or spill immediately call the National Response Center emergency

19. Discrepancy Indication Space

Printed/Typed Name

90) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

In case of emergency or splil immediately call the National Response Centg

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

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



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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's	US EPA No. Manife	Doc. No.	Pag	ge 1 of Information is not req		heavy bold line Federal Law.
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4. Generator's Telephone at the er 📢 🏋 🕽 🖚	502	· · · · · · · · · · · · · · · · · · ·			Same		
5. Transporter 1 (Company Name)		6. US EPA ID Number		C. St	ate Transporter's	IDAY	13061P
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11. US DOT Description (Including Proper St	ipping Name, Hazard	Class and ID Number)	12. Conta	ainers	13. Total	14.Unit	
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16. GENERATOR'S CERTIFICATION: classified, packed, marked and labeled, and regulations and state laws and regulations. If I am a large quantity generator, I certify that practicable and that I have selected the prac health and the environment; OR If I am a sma me and that I can afford.	thereby declare that the are in all respects in placticable method of treatments.	contents of this consignment are further condition for transport by higher to reduce the volume and toxicity cant, storage, or disposal currently avi	lly and accur hway accord of waste gene ailable to me	rately deding to a	applicable Internation the degree I have continuous the present	nal and letermine nt and fu ant meth	national government of to be economically ture threat to human od that is available to
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COPY 5—Generator—Mailed by TSD Facility

#### STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION \* DWISION OF SOLID & HAZARDOUS MATERIALS



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In case of emergency or spill immediately call the National Response Center (400) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

#### HAZARDOUS WASTE MANIFEST

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

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3. Generator's Name and MIAGARA MOHAL 1125 BROADVAY	K POVER C	ORP				Α.	NYB92	213	579
ALBANY 4. Generator's Telephone		NY 1220	4-2505				nerator's ID	. 1	
5. Transporter 1 (Company	Name)		6. US EPA ID				ate Transporter's	ID / 3	DETRUV
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J. Additional Descriptions	or Materials listed Ab	ove .:		<del></del>	<u>-1+1</u>	K. Ha	ndling Codes for	Wastes	Listed Above
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15. Special Handling Instruction of CHEMTREC Emer ERGITTE REQUE	Service (	ponse Mus	3 3					·	·
16. GENERATOR'S CE classified, packed, mark regulations and state law If I am a large quantity ge practicable and that I ha health and the environmember of that I can afford.	ed and labeled, and ar s and regulations. enerator, I certify that I have ve selected the practica	e in all respects in ave a program in pl ble method of treati	proper condition face to reduce the vident, etorage, or di	for transport by holume and toxicity isposal currently a	nighway accor of waste gen available to m	rding to a erated to e which rr	pplicable Internation the degree I have di ninimizes the prese	nal and letermine nt and fu	national government of to be economically ture threat to human
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18. Transporter 2 Acknow	ledgement of Receipt	of Materials	1900	Y			<del>-</del>		7/2/3/90
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19. Discrepancy Indication	plan		209K					<u></u>	
20. Facility Owner or Ope	rator: Certification of r	eceipt of hazardo							
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9, 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

In case of emergency or spill immediately call the National Response Center 🔑

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

HAZARDOUS WASTE MANIFEST

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



UNIFORM HAZARDOUS  WASTE MANIFEST  1. Generator	ندا	fest Doc. No.	2. Pag	mormau	on within	n heavy bold line Federal Law.
3. Generator's Name and Mailing Address NIAGARA PRINAUK FOURT CORP	<u> </u>	10131	A.	NYB92		
ALBANY MY 1220	4-2505			enerator's ID		2.127
4. Generator's Telephone 4 11 - 3502  5. Transporter 1 (Company Name)	6. US EPA ID Number	<del></del>		SAME		0/1
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7. Transporter 2 (Company Name)	8. US EPA ID Number	<del>}                                    </del>		ate Transporter's		16 607 77
	<u> </u>	1 1 1		ansporter's Telepi	none (	)
9. Designated Facility Name and Site Address	10. US EPA ID Number		G. S	tate Facility ID		
CUM CHENICAL SERVICES, L.L.C.			H E	acility Telephone (	· ·	1
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11. US DOT Description (Including Proper Shipping Name, Hazar	d Class and ID Number)	12. Con	tainers	13. Total	14.Unit	
	·	Number	Туре	Quantity	<b>W</b> t/Vol	
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15. Special Handling Instructions and Additional Information PCB Out of Service Determ.	25 Mulans:	13476	My	P6:		•
CHENTREC Emergency desposse Mu	in the self-the end of the self-self-self-self-self-self-self-self-	300 VI	13 / C	batract		
BERVICE REQUESTS CE 03/3-	the Private service ser	y ** * * ; ;		OK	201	ee C
16. GENERATOR'S CERTIFICATION: I hereby declare that the	he contents of this consignment are	fully and acc	urately de	scribed slove by p	roper sh	ipping name and are
classified, packed, marked and labeled, and are in all respects in regulations and state laws and regulations.		•	•			
If I am a large quantity generator, I certify that I have a program in pl practicable and that I have selected the practicable method of treat	ment, storage, or disposal currently	available to m	e which a	ninimizes the prese	nt and fu	ture threat to human
health and the environment; OR if I am a smail generator, I have made me and that I can afford.	de a good faith effort to minimize my	waste and se	ect the b	est waste managem	ent meth	od that is available to
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17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature	*				Mo. Day Year
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18. Transporter 2 Acknowledgement of Receipt of Materials	- Januar D	1000	<u> </u>		•	<del>31 4700</del>
Printed/Typed Name	Signature					Mo. Day Year
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19. Discrepancy Indication Space	<b>A</b> .					
Uctual Red 12/064	<u> </u>	·				
20. Facility Owner or Operator: Certification of receipt of hazardo	us materials covered by this man	ifest except	as noted	in Item 19.		
Printed/Typed Name	Signature	A	/e- 1	1		Mo. Day Year
LELLEN CARTON	- CILLA		AZ	<u>z</u>	<u>{</u>	272699

b) 424-8802 and the NYS Department of Environmental Concervation (518) 457-7352

in case of emergency or spill Immedialely call the National Response Cen

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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. (Hezardoue Watth Mahilest 497)

1	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generators U	) 730408	Manifest Doc. I	. 1	miornatio		heavy bold line Federal Law.
ł	3. Generator's Name and Malling Address			KAME	/ A.	NVDO	11 7	E07
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	ALHANY  4 Generator's Telephono Military (71 - 35)	NY 12204. 12	- 2505			enerator's ID		
ł	Transporter 1 (Company Name)		6. US EPA ID Number	<del></del>			Die	FA I AIV
	<u> </u>	· · ·	<u> </u>	لطلسلسك		ransporters Telepi		
	7. Transporter 2 (Company Name)	ì	8. US EPA ID Number		E. S	iale Transporter's		109189VY
	9. Designated Facility Name and Site Address		10 US EPA ID Number			rensporter's Teleph tate Facility ID	ioue X	G XII THE
١	CVM CHEMICAL SERVICES,		to. Go Li x io xumbe	<b>.</b> ,				
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	11. US DOT Description (Including Proper Shipp	ing Name, Hazard C	Class and ID Number)		ontainers er   Typs	ļ	WWol	I. Waste No.
j	and POLYCHLORINATED H	IPHENYL M	IXTURE . 9 .		<u> </u>	- Guarini	111111	EPA
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	SERVICE REQUESTS 562				815	31872		į
	16. GENERATOR'S CERTIFICATION: I he		contents of this constance	ent are tully and	O / O	loserihad share by s		inner name and his
	ciassified, packed, marked and labeled, and ar regulations and state laws and regulations.	e in all respects in p	proper condition for transpo	ort by highway a	ocording to	applicable Internation	tone (brice	national government
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	19. Discrepancy Indication Space	<del></del>			·	<del></del>		ONT TOO
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7	UNIFORM HAZARDOUS	Doc. No.	2. Pag	) I manatage	n within	heavy bold line Federal Law. 282
ł	3. Generator's Name and Mailing Address	45	A			
	MIAGARA MOHAVK MOVER COMP			NYB92	213	606
	ALBANY 4. Generator's Telephone MuliBer 471 - 3502	+		inerator's ID		
ł	S. Transporter 1 (Company Name) 6. US EPA ID Number			ate Transporter's	D J.	1167.5
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-	7. Transporter 2 (Configany Name) 8. US EPA ID Number			ste Transporter's I ansporter's Telept		<b>348 AU4</b>
-	9. Designated Facility Name and Site Address 10. US EPA ID Number	<del></del>		ale Facility ID		
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	1000 Burker st.	679	H. F	716 754~		·
	11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Cont	ainers	13. Total	14.Unit	
		Number	Туре	Quantity	WWo	I, Waste No.
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	J. Additional Descriptions for Materials listed Above  U00038 ~ PCB CONTABINATED DEBRIS AND SOIL	· .	K. H	andling Codes for	coladw	Listed Above
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	15. Special Handling Instructions and Additional Information	<u> </u>	4		16	
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	18. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are ful classified, packed, marked and lebeled, and ere in all respects in proper condition for transport by hig regulations and state laws and regulations.					
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	hosith and the environment; OR If I am a email generator, I have made a good fuith effort to minimize my we me and that I can afford.	uste and sel	ed the bi	oef kraele wasebedy	ent meth	od that is oveitshie to
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	19. Discrepting Indicator space	- 100		• ,	9.	BACK!
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STATE OF NEW YORK

DEPARTMENT OF ENVIRONMENTAL CONSERVATION

OUT DIVISION OF SOLID & HAZARDOUS MATERIALS

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T	UNIFORM HAZARDOUS  WASTE MANIFEST  A P D D		Doc. No.	2. Page	1 mondand		heavy bold line Federal Law.	
	3. Generator's Name and Mailing Address NI AJARA HOHAVK FOVER CURP 1   29 BROADVAY ALBANY 4. Generator's Telephone Wideler (171 - 3502	, , ,			NYB92	<u>?13</u>	624	
-	5. Transporter 1 (Company Name)  #AZMA ENJIEM ACMAE  7. Transporter 2 (Company Name)	6. US EPA ID Number 8. US EPA ID Number	947	D. Tre	ate Transporter's ansporter's Teleph ate Transporter's ansporter's Teleph	hons (	033 PW	
	9. Designated Facility Name and Site Address  CVM CHEMICAL SERVICES, L.L.G. 1580 BALMER ND. HODEL CITY NY 14107	₽' <b>\$</b> ' \$	G. State Facility IO  H. Facility Telephone ( )					
	11. US DOT Description (Including Proper Shipping Name, Hazard	d Class and ID Number)	12. Cont Number	ainers	13. Total Quantity	14.Unit	I. Waste No.	
	ard, Polychiorinated Biphenyl Un2315,111, Marine Pollutant	190		13/3/0	K	epa Besot		
GENERATOR	b.						EPA STATE	
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	d.						EPA STATE	
	J. Additional Descriptions for Materials Rated Above UOOO35 ~ PCB CONTANTNATED DEB	RIS AND SOIL	•l	K. Ha	andiling Codes for	Wastes	Listed Above	
	b   d   d   15. Special Handling Instructions and Additional Information		•J.	ь		d		
	e. PCB Out of Service Dates of CHEMITEC Emergency Response But RRUVICE HEQUESTS 5	16-00 Waleht:	Contraction of the second	作器 [3]	entract 876			
	16. GENERATOR'S CERTIFICATION: I hereby dadare that it classified, packed, marked and tabeled, and are in all respects in regulations and static laws and regulations.  If I am a large quantity generator, I certify that I have a program in ply practicable and that I have solected the practicable mathod of treating the program and that I have make and that I can afford.	n proper condition for transport by his lace to reduce the volume and toxicity ment, starage, or disposal currently as	ghway accor of waste gen valiable to m	ding to a erated to a which n	ipplicable internétion the degree I have confidences	onal and determine	national government	
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	19. Discrepancy Indication Spece							

COPY 5-Generator-Mailed by TSD Facility

in case of emergency or spill immediately call the National Response Cente

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

Panted/Typed Name

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

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Plase type or print. Do not staple.

4-8502 and the NYS Department of Environmental Conservation (518) 457-7352

in case of emergency or apill immediately call the National Response Center

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

(Hazardous Waste Mentical 437)

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



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124-8602 and the NYS Department of Environmental Conservation (518) 457-7352

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



24-8502 and the MYS Department of Environmental Conservation (518) 457-7362

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**HAZARDOUS WASTE MANIFEST** 

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STATE OF NEW YORK

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

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# NONHAZARDOUS WASTE MANIFEST

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#### NONHAZARDOUS WASTE MANIFEST

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4. Generator's Phone (518 ) 433-3696	ATTN:BARBARA ZACHAREK					ita kara Mara	
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9 Designated Facility Name and Site Address UNITED OIL RECOVERY INC.	10. US EPA ID Number			I. (Trans. Lic. Plat n. Phone ( )			
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# TSCA Waste Water

NYG 2524995

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



## HAZARDOUS WASTE MANIFEST

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#### WASTE MANAGEMENT, INC.

CWM Chemical Services, L.L.C. 1550 Balmer Rd. P.O. Box 200 Model City, N.Y. 14107 716/754-8231

June 5, 2000

Mr. Richard Hammond, P.E., Chief, Data Management Section New York State Department of Environmental Conservation Division of Solid & Hazardous Materials 50 Wolf Road, Room 472 Albany, NY 12233-7259

RE: Correction Notification

Dear Mr. Hammond:

Please find the attached photocopy of a manifest needing correction. The following correction(s) should be made to your records.

Generator & Address:

Niagara Mohawk Power Corporation, 1125 Broadway, Albany, NY 12204

Manifest Number(s):

NYG2524995

Discrepancy:

Item 13a & 14a = 4,427 K

Should you require additional information, please contact me at (716) 754-0269.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Very truly yours,

CWM CHEMICAL SERVICES, L.L.C.

Kevin M. Sheehan Records Coordinator

œ:

fileDOR5/25/0081528339-01

Generator
Generator State
Transporter
EMD file



May 31, 2000

State of New York;
Department of Environmental Conservation
Division of Solid 8: Hazardous Materials

P.O. Box 12820

Albany, NY 12212

To Whom It May Concern:

I am sending this letter in an effort to clarify a discrepancy with the New York State manifest number NYG2524995, shipped on May 25, 2000 from Niagara Mohawk Power Corporation located at 1125 Broadway, Albany, NY to CWM Chemical Services, LLC. A clerical mistake was made on the manifest in section 11 a., regarding the shipping name. The correct shipping name is RQ, Polychlorinated birhenyl solution, 9, UN2315, PG III (B002). I have attached the corrected manifest copy for your records.

I hope this helps to clarify the discrepancy for New York State. I apologize for any inconvenience this may have caused you. Should you have any questions or concerns please contact me at (315) 682-1940. Thank you for your time.

Sincerely,

Erika C. Johnston

Capitol Environmental Services, Inc.

CC: Ms. Barbara Zacharek, Niagara Mohawk Power Corporation

# DISPOSAL STANDARDS FOR NEW YORK STATE REGULATED HAZARDOUS PCB WASTES



r

GENERATOR	NAME: MAGYA MEHAWK POWN COV 1462524995 CWM PROFILE # CJ 1901
UNIQUE DRI	JM#OUT OF SERVICE DATE:
Refer to 6 NYCF	New York State regulated and land restricted wastes are subject to 6 NYCRR Part 376, RR 376,4(f) for New York land disposal requirements. Check all that apply:  1
Certification - W	Paste Meets Tresument Standards
(1	I am the generator of the waste as identified above, that is restricted under 6 NYCRR Part 376. I have determined that this waste meets all applicable treatment standards set forth in 6 NYCRR 376 and, therefore, it can be land disposed without further treatment. Waste does not include solidified B002 material (liquid with PCRs 50-500 ppm).
	I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that waste complies with the treatment standards specified in Part 376, Section 376.4 and all applicable prohibitions set forth in subdivision 376.3(b) of Part 376 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification including the possibility of a fine or imprisonment.
Notification - Wa	uste Docs Not Meet Treatment Standards
at .	I am the generator of a waste restricted under 6 NYCRR Part 376 as identified above. I notify that I personally have examined and are familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment standards specified in 6 NYCRR Part 376.4(I). This waste must be treated to the applicable standard set forth in 6 NYCRR 376.4(I) prior to land disposal.
GENERATOR'	S SIGNATURE: Jud Hollowern
me Che	s SIGNATURE: Jud Hollowern  Jef Machanic DATE: 5/25/00
	1 to a national

# P.O. BOX 5010 - FREHOLD, NJ 07728-5010 (732) 462-1001 - FAX (732) 308-0924

FCD

175 BARTOW MUN. AIRPORT BARTOW. FL 33830 PHONE:(841) 533-4599 FAX:(941) 533-1613 108 MONAHAN AVENUE DUNMORE, PA 18512 PHONE:(570) 342-7232 FAX:(570) 342-7367

350 PIGEON POINT ROAD NEW OASTLE, DE 19720 PNONE:(302) 658-2005 FAX:(302) 858-6229 156 DRIFTW000 DRIVE EUTAWVILLE, SC 29048 PHONE/FAX:(603) 492-9595 MANIFEST

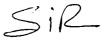
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#### NYG 1832049

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





Please type or print. Do not staple

and the NYS Department of Environmental Conservation (518) 457-7362

rgency or spill immediately call the National Response Center (800) 424-

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

(Hazardous Waste Manifest 1/5/9)

UNIFORM HAZARDOUS	1. Generator's US EP	A ID No.	Manifest Do	oc. No.	2. Pag	1 of	Information	within h	eavy bold line
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16. GENERATOR'S CERTIFICATION	I: I hereby declore that	the contents of this co	onsignment o	ore fully	and acci	rotely (	described abo	ve by pro	oper shipping name
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20. Facility Owner or Operator: Ce	rtification of receipt of	hazordous materials c	overed by	is mani	fest excep	ot as no	ted in Item 1	9.	
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#### NYG 1832265

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



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Conservation

Environmental

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Response Center (800) 42

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GENERATOR

#### HAZARDOUS WASTE MANIFEST

Please type or print. Do not staple and a second plant. P.O. Box 12820, Albany, New York 12212 UNIFORM HAZARDOUS La Generator's US EPAID No. ago, measur Manifest Doc. No. -2.s Poge 1 of. Intermation within heavy bold line or WASTE MANIFEST be properly clus is:not required by Federal Law. 22 8.1 NYD000730408 3.Generator's Nome and Mailing Address (3.2 manus 2000) Niagara Mohawk Power Corporation B. Generator's ID 1125 Broadway, Albany, NY 12204-2505 1801 र १९ महिन्<mark>र ५ १५ म्</mark> 4. Generotor's Telephone Number (518) 433-3696 5. Transporter 1 (Company Nome) C. State Transporter's ID 4 D. Tronsporter's Telephone (732) 462-1001 N+J D 0 5 4 1 156 1 6 4 Freehold Cartage Inc. 7 Tronsporter 2 (Company Name) E. State Transporter's ID F. Transporter's Telephone ( G. State Facility ID 9. Designoted Facility Nome and Site Address 10. US EPA ID Number A CWM Chemical Services, LLC 1550 Balmer Road H. Facility Telephone (1997): Model City, NY 14107 11. US DOT Description (Including Proper Shipping Nome, Hazard Class and ID Number) 12. Containers 13. Total 4. Uni Number Quantity I. Waste No. Type Wt/Vol **FIR** Some is one side to ned RQ, Polychlorinated biphenyl solution STATE BOOZ 0 1 T K 9 UN2315 PG III (B002) EPA a OW-WG عريدوا STATE EPA COGOSTT es cadora meru арыл эргийд үр гэ STATE The CMG congressions STATE J. Additional Descriptions for Materials listed Above K. Handling Codes for Wastes Listed Above 57 (58) T CJ1901 (americans d'Od. E) amoi prins) 15. Special Hondling Instructions and Additional Information การเลินไม่ ยะเหมีรูปชา แก้สุดกระนั้น Service Request \$559130 Emergency Contact: Chem Treck (800) 562-7611 Capitol Environmental (800) 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment ore fully and accurately described above by proper thisping name ond ore classified, packed, marked and labeled, and are in oll respects in proper condition for transport by highway occording to applicable international and national government regulations and state lows and regulations. If I om a large quantity generator, I certify that I have a program in place to reduce the valume 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 mode 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 6~AC 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Nome Printed/Typed Name 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.

MARK T. LARUE

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