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July 16, 2002

Mr. Shaun Snee
NYSDEC Region I
Division of Solid and Hazardous Materials
SUNY at Stony Brook
Building 40
Stony Brook, New York 11790-2356

Re: Pall Corporation Closure Report
30 Sea Cliff Ave., Glen Cove, NY
NYD 002 054 419

Dear Mr. Snee,

On behalf of Pall Corporation (Pall), Enviro-Sciences, Inc. (ESI) is pleased to submit two (2) copies of the Hazardous Waste Closure Report for Pall's Glen Cove, New York facility. This report certifies that all hazardous waste operations have been adequately closed in accordance with 6 New York Code of Rules and Regulations (NYCRR) Part 373-3.7. The report has been certified by a Professional Engineer, licensed to perform engineering services in the State of New York.

ESI and Pall look forward to completing this project and obtaining NYSDEC approval of closure activities. If you have any questions or comments, or would like to discuss the completed closure in more detail, please do not hesitate to contact me at (631) 207-9005 extension 102.

Sincerely,
ENVIRO-SCIENCES, INC.

Daniel J. Smith, P.E.
Vice-President

DJS/djs
document1

cc: M.A. Bartlett / Pall
B. Benzinger / Pall
H. Katz / Pall
S, Morrissey / Pall
K. Olson / MT&E

COPY

HAZARDOUS WASTE CLOSURE REPORT

PALL CORPORATION
30 SEA CLIFF AVENUE FACILITY
GLEN COVE, NEW YORK
(EPA Identification No. NYD002054419)

Prepared for:

Pall Corporation
2200 Northern Boulevard
East Hills, New York 11548

and

New York State Dept. of Environmental Conservation
SUNY Stony Brook
Building 40
Stony Brook, New York 11790-2356

Prepared by:

Enviro-Sciences, Inc.
Enviro-Sciences, P.C.
312 East Main Street
Patchogue, New York 11772

July 15, 2002

ENVIRO-SCIENCES, INC.
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CONTENTS

List of Figures:

List of Tables:

List of Appendices:

1.0 INTRODUCTION

This Hazardous Waste Closure Report (Closure Report) has been prepared to comply with the Resource Conservation and Recovery Act (RCRA) requirements for closure as promulgated in Title 6 of New York State Code of Rules and Regulations (NYCRR) Section 373-3.7. The work completed and discussed in this Closure Report documents activities performed to accomplish the following:

- Cease all hazardous waste generating operations at the facility;
- Remove all hazardous waste inventory;
- Decontaminate areas where hazardous wastes were generated, temporarily stored, or otherwise used;
- Verify that the former hazardous waste operations at the site have not adversely impacted the environment;
- Prevent post-closure escape of hazardous waste, hazardous constituents, leachate, contaminated run-off, or hazardous waste decomposition products to the ground, surface waters, or atmosphere.

All work was performed by an independent environmental contractor under the guidance of a New York State licensed Professional Engineer (P.E.).

1.1 Site Location and Description

The Pall facility is located at 30 Sea Cliff Avenue (Section 21, Block H. Lot 37), approximately 1/8 mile west of Route 107. The property is bordered on the northwest by the August Thomsen portion of the site (36 Sea Cliff Avenue, Section 21, Block H, Lot 320), the northeast by a City of Glen Cove Daycare Center, the south by Sea Cliff Avenue, the east by Route 107, and on the west by the Associated Draperies Facility. Photocircuits Corporation[1] is located to the south across Sea Cliff Avenue. Areas surrounding the site consist primarily of industrial facilities with some residential areas located approximately 1 to 2 miles north, south, east, and west of the site (see Figure 1 – Site Location Map).

The topography of the site is relatively flat with a gentle slope from the southwest corner (grade elevation of approximately 87 feet above mean sea level, msl) toward the northeast corner of the site (grade elevation approximately 83 feet above msl). The majority of the site is paved and has been since the 1950's. Glen Cove Creek is situated parallel to the west side of the site and runs from the southwest corner, through the western boundary of the site, to the northwest corner. The streambed is present at about 3 to 4 feet below

[1] Including the Photocircuits property ***and*** the property formerly owned and operated by Pass and Seymour and Slater Electric, which was subsequently acquired by Photocircuits Corporation.

the finished grade. The Creek flows from the south toward the north when sufficient water is present to sustain flow.

Groundwater flows predominantly from southeast to northwest across the site. Based on the predominant groundwater flow direction, properties south of Sea Cliff Avenue are located hydrogeologically upgradient of the Pall Corporation site.

1.2 Overview of Former Hazardous Waste Operations

Immediately prior to closure, Pall was not conducting any operations (neither hazardous waste operations nor other operations) at the 30 Sea Cliff Avenue site. Since October 15, 1999, Tweezerman, Inc. (Tweezerman) has rented space in the Pall building and uses the space for shipping, receiving, and limited repair of personal care tools (tweezers, nail clippers, haircutting scissors, etc.). Pall had historically operated at the site since the early 1950s, at various points performing manufacturing and related functions at the site. During Pall's occupancy, operations that generated hazardous wastes included filter membrane production and studies performed in several research and development (R&D) laboratories. The areas where these operations were performed are indicated in Figure 2.

Hazardous wastes were temporarily stored in the chemical storage area outside the main building prior to off-site disposal. A site layout showing the former hazardous waste storage areas is presented in Figure 3. The former chemical storage area has an impervious floor and is fenced, bermed, and covered by a roof to prevent the accidental discharge of wastes to the environment. The facility was constructed and operated in accordance with Nassau County Department of Health (NCDH) Toxic and Hazardous Materials Storage Ordinance, Article 11.

The U.S. Environmental Protection Agency (EPA) hazardous waste identification number for the facility is NYD002054419. No treatment of hazardous waste was performed at the facility and hazardous wastes were stored for less than 90 days. Therefore, the facility was not required to have a treatment, storage, or disposal permit.

1.3 Scope and Objectives

The primary objective of Closure was to fully eliminate all hazardous waste generation at the facility in accordance with Federal, State and Local rules and regulations. The secondary objective was to properly decontaminate the facility in all areas where hazardous materials were used, whether or not they were directly related to hazardous waste generation.

These objectives were met through completion of the following:

- Completion of a site reconnaissance to identify areas of past and current hazardous waste operations;

- Discussions with Pall personnel to identify past and current operations and to obtain an understanding of hazardous waste generating operations and possible contaminants of concern that were reportedly used at the facility in the past;

- Development of a Closure Plan that was approved by the NYSDEC, to permanently close any areas that either historically, or at the time of closure, were associated with hazardous waste generation. Pall voluntarily also included areas where virgin chemicals were stored, even though these areas were not subject to 6 NYCRR Section 373-3.7;

- Implementation of the NYSDEC approved Closure Plan to decontaminate tanks, piping, structures, appurtenances, materials, and any other areas that may have come into contact with hazardous constituents during Pall's past operations at the site;

- Removal of hazardous wastes generated during Closure for proper off-site disposal;

- Collection of confirmatory rinse and sub-surface soil samples to document the adequacy of decontamination procedures and to verify that Pall's operations did not adversely impact the environment; and,

- Completion of this Closure Report documenting all activities.

2.0 DETAILED DESCRIPTION OF FORMER HAZARDOUS WASTE OPERATIONS

The following sections provide a detailed description of former hazardous waste operations at the facility.

2.1 Former Maximum Inventory of Hazardous Wastes

In accordance with 6 NYCRR Part 373-3.7 (c)(2)(iii), Pall has provided an estimate of the potential maximum inventory of hazardous waste in RCRA regulated units on site over the active life of the facility. It should be noted that it is unlikely that the inventory ever reached this maximum level and the current level of wastes at the site immediately prior to the start of formal closure was minimal (i.e., a few drums remained for final disposal). Based on the potential capacity of the hazardous waste storage units as identified in Nassau County Department of Health (NCDH) Toxic or Hazardous Materials Storage Facility Permit forms, the maximum possible hazardous waste inventory that could have been managed in containers at any given time was 4,290 gallons (or about 78, 55-gallon containers). However, this capacity also included an allotment for virgin material storage and therefore, the maximum amount of hazardous waste drums ever stored at any given time was likely lower (i.e., on the order of thirty to fifty drums). In addition, 4,500 gallons of bulk caustics were also stored in the former DI regeneration area. A summary of the maximum inventory of wastes is provided in Table 1. Copies of NCDH tank and bulk storage permits are included as Appendix A.

Pall also formerly operated a small radiochemistry laboratory (see Figure 2). However, this laboratory was previously closed under the supervision of the State of New York, Department of Labor, Division of Safety and Health – Radiological Health Unit. A copy of the closure certification letter from the State of New York is provided as Appendix B. Since this area has been fully closed and closure has been previously certified, no activities in this area were necessary as part of this Closure Report.

Although no hazardous wastes were "*stored*" at the Pall site, wastes may have been generated in the chemical mixing room tank storage area, filter membrane casting line area, and the former R&D laboratories, and the former DI regeneration area at some time in the past. These areas are exempt from hazardous waste management regulations during past operations because all vessels were either virgin material storage tanks regulated separately under 6 NYCRR Part 595 or were process vessels that are exempt from 6 NYCRR Part 373-3. However, Pall has voluntarily closed these areas as part of Closure.

2.2 Former Processes that Generated Hazardous Wastes

There are three types of areas that were closed in accordance with the NYSDEC approved Hazardous Waste Closure Plan:

- Process operations that generated hazardous wastes (e.g., the casting line and possibly the former R&D areas);

- Areas where hazardous wastes were temporarily stored (e.g., the wastes in the outdoor storage shed); and,
- Secondary containment systems.

The only rooms within the former Pall facility where hazardous wastes were generated, or which may generate hazardous wastes during final closure are the chemical mixing room, the filter membrane casting room and the former R&D laboratories (see Figure 2). Non-hazardous wastes may have also been generated in the former DI regeneration area.

In the chemical mixing room, raw chemicals were mixed to form feed solutions in other processes. During operations, these process vessels were exempt from hazardous waste management regulations. During final plant closure, the vessels were emptied and all containers and tanks certified as "RCRA Empty." Any residual materials were containerized and the "RCRA Empty" vessels were then decontaminated prior to ultimate disposal. Rinsewaters generated during this process were disposed as hazardous waste where appropriate (e.g., where the characteristic of a hazardous waste applies).

In the filter membrane casting room, a multi-stage, processing unit contained small amounts of chemicals used to produce filters. The only chemicals used under normal operations in the filter membrane casting line were lubricating oils, alcohols, hydrochloric acid, sodium hydroxide, dimethyl acetamide (DMAC), PVDF resin, and very small quantities of specialty chemicals. Hazardous wastes that were generated included ignitable D001 wastes, primarily the result of spent resins and alcohols in the waste stream. Smaller quantities of other waste streams such as flammable waste solvents (toluene, hexane, and methyl ethyl ketone) and acidic wastes (sulfuric acid and hydrochloric acid) had also been generated historically. All equipment, containers, or other structures that could possibly have contained process chemicals or wastes were drained of any free liquids to ensure that the units were "RCRA Empty." Any remaining residuals were then containerized and the unit appropriately decontaminated prior to ultimate disposal. Depending on the composition of the material previously stored in the process vessels and raw chemical tanks to be closed, the tank material was either sold for beneficial use, sent to a reclaimer, or sent to a permitted treatment or disposal facility. No onsite treatment methods were used.

In the former R&D laboratories, Pall conducted research activities that included the following: membrane development research and optimization; surface treatment studies; grafting operations to improve filter surface characteristics; and chemical treatment of spun-fiber filter materials. Wastes were not stored in the laboratories; however, small quantities of hazardous wastes in the form of lab packs were typically generated. Lab pack wastes generated as the result of R&D operations typically included small (under a few gallons) quantities of acids, caustics, ethers, amines, organic peroxides, and alcohols. It should be noted that all R&D laboratories have been shut down for quite some time and many of the former R&D lab areas had been used either for storage (non-chemical goods) or other non-environmentally sensitive operations. Since many of these areas had long ago been shutdown and converted to uses that did not involve any chemical operations, a visual inspection and field screening (using a photoionization detector or

other field monitoring instruments) was conducted at the onset of closure activities to determine the extent of decontamination or other closure activities, if any, that may have been required.

The former DI water regeneration room may also have generated small quantities of acid and caustic *process* streams while in operation. However, these *process* streams were pumped to the chemical storage areas where they were temporarily stored prior to off-site disposal. The pumping system was an integral part of the neutralization / deionization *process* and no wastes were generated within the DI regeneration process. These operations were discontinued before the end of 2000. Like the R&D labs, a visual inspection was performed in this area prior to the start of closure activities to determine if any decontamination activities were necessary.

2.3 Secondary Containment Structures and Piping

The secondary containment structures in the chemical mixing room, the filter membrane casting room, and all associated piping systems were decontaminated and closed as part of plant closure. Wastes present in the secondary containment systems or in ground sumps were drummed (or disposed in bulk), labeled, and shipped offsite for treatment or disposal. Secondary containment systems in the former R&D laboratories had been previously cleaned and sealed prior to conversion to non-chemical operations. These systems were inspected during closure to ensure that all areas had been adequately closed and decontaminated. There were no chemicals or any chemical residuals present in the former DI regeneration area during the visual inspection.

2.4 Hazardous Waste Container Storage Area

The outdoor drum storage area was historically used for the temporary storage of hazardous wastes (i.e., under 90 days) prior to off-site disposal. This area was used to temporarily store any wastes generated during the closure of the indoor processing areas and was the last area of the facility to undergo RCRA closure. After the last wastes were generated within the facility and the interior facility was closed, all existing inventory in the outdoor drum storage area was properly characterized and disposed. Following disposal in accordance with Federal, State and Local regulations, the entire outdoor drum shed complex (floors, walls, containment structures, etc.) was decontaminated and permanently closed.

It should be noted that the outdoor drum storage area actually consisted of several sheds that were interconnected. Prior to the use of the current hazardous waste storage area in one of the sheds, one of the other, older shed structures was used for the temporary storage of hazardous wastes staged for off-site disposal. During closure, the entire shed complex (both the old and new structures) was addressed.

At closure, all drums were properly labeled, sealed, and placed on a pallet. All containers were inspected and recorded before being shipped offsite. Manifests documenting off-site disposal of wastes are provided in Appendix D.[2]

[2] *It should be noted that Pall Corporation coordinated off-site disposal directly and the the role of Enviro-Sciences was limited to characterization sampling and analysis and drum staging for disposal by others. The manifests provided in Appendix C were provided by Pall Corporation who signed as the Generator of the final wast shipments.*

3.0 FACILITY DECONTAMINATION PROCEDURES

This section identifies all areas that were decontaminated during closure and describes in detail the steps taken to decontaminate areas of concern. Areas of the site where constituents were present in soil and/or groundwater are addressed later in the text in Section 6.0. The equipment and structures associated with hazardous waste storage were closed in accordance with 6 NYCRR 373-3.7 and 40 CFR 265.111.

All equipment associated with hazardous waste generation was power washed and/or steam cleaned as described in the Technical Administrative Guidance Memorandum for Tank and Container Facility Closure, dated September 20, 1993 (TAGM 3037). The equipment was rinsed at least three times to ensure that no hazardous constituents were left in the tanks, equipment, or structures at levels that could adversely affect any environmental media or pose a threat to human health and the environment.

As a minimum, all tanks, equipment, or structures were cleaned so that no characteristic of hazardous waste was present in the final rinseate sample.

3.1 Equipment and Structures Decontamination

Tanks, equipment and appurtenances requiring decontamination at the facility included:

- Raw chemical storage tanks in the chemical mixing room;
- Process equipment used in processes that generated hazardous wastes (i.e., pumps, mixers, etc.);
- Structures that may have come into contact with hazardous wastes in the former R&D laboratories and in the former DI regeneration area;
- Associated piping systems; and
- Associated secondary containment systems;

3.2 Decontamination of Hazardous Waste Tanks and Associated Piping

All hazardous waste tanks and associated piping systems were decontaminated according to the following procedure:

- The existing floor trough system was used to contain rinsewaters. This system prevented the release of contaminants to the environment. A visual inspection was performed prior to the start of decontamination activities to ensure that the existing trough system is structurally sound and that all rinsewaters entering the trough were contained within the area. In any areas where the structural integrity of the trench system was suspect, subsurface soil samples collected from beneath the suspect areas were collected for closure and decontamination confirmation (see Section 4.0)

- All tanks were emptied of residual materials to the greatest practical degree, if not already emptied, prior to the start of closure activities. Any tank contents were drummed for proper waste characterization and disposal.

- All pipe systems associated with the tank to be decontaminated were emptied and disconnected. Any residuals were drummed for proper characterization and disposal.

- The tank system and all associated piping was triple rinsed with potable water from the municipal supply and/or by steam cleaning. A detergent (Alconox) was used as necessary. All rinsewaters were collected in the trough system.

- Following triple rinsing and/or steam cleaning, a final deionized water rinse was completed. All rinsewaters were collected in the trough system.

- A final rinse sample was collected from each tank (and approximately one additional sample from every 200 linear feet of pipe or fraction thereof) and compared to the criteria discussed in the closure effectiveness section of the Closure Plan. If the sample results indicated that the closure performance objectives were met, the tank system was considered decontaminated and was either legally disposed off-site or re-used by Pall. If the sample results did not indicate that closure performance objectives were met, additional rinsing was be performed and these steps were repeated.

- Following the completion of all tank and piping system decontamination, the trench (i.e., floor troughs), floors, and structures were decontaminated in accordance with the Closure Plan.

3.3 Decontamination of Sumps, Trenches, Secondary Containment Structures, and the Shed Storage Area Complex

Following the decontamination of all tank systems and piping, the rinsewaters collected in the trough system were characterized and properly disposed off-site. After removing the rinsewaters from the tank system decontamination, the collection sumps, troughs, trenches, floor slabs, and walls of the storage area were decontaminated by triple rinsing using a pressurized hot water / steam cleaner and detergent. Each rinse was pumped to temporary storage tanks/containers pending off-site treatment or disposal.

The secondary containment structures were also triple rinsed using a pressurized hot water steam cleaner and detergent. Each rinse was pumped to temporary storage containers pending off-site disposal. All secondary containment structures were constructed of concrete. Steam cleaning effectively removed contaminants from the surface of the secondary containment areas in the majority of areas. In the few areas where steam cleaning was ineffective, the concrete was "chopped out" and confirmatory, sub-surface samples (i.e., soil underlying the concrete) were collected to determine if there were any adverse impacts to the subsurface.

Rinsewaters generated were either removed in bulk directly from the trough or drummed for characterization and disposal. Any drummed wastes were temporarily stored in the existing hazardous

waste storage shed area until the final aspects of closure. After the last inventory of rinsewaters was properly disposed (i.e., removed from the shed complex), the outdoor chemical storage shed (both the old and new structures of the shed complex) was decontaminated following the procedures outlined above and the final rinsewaters characterized and properly disposed off-site.

Following structure decontamination, final rinse samples were collected by applying deionized water to the lowest point in the trench system (the area likely to have come into contact with the greatest volume of chemicals) and allowed to stand for approximately 1 to 2 minutes. After the 1 to 2 minute period, the rinsewater samples were collected and submitted to the laboratory to confirm the effectiveness of closure activities. Table 3 identifies the number of rinse samples collected and the analytical parameters used to confirm closure activities. The results of the closure confirmation program are presented in the following section.

4.0 CONFIRMATION OF CLOSURE EFFECTIVENESS

This section presents and discusses the confirmatory sample data used to confirm the adequacy of closure activities. In general, there were four (4) types of confirmatory samples collected to ensure that decontamination and closure procedures were effective:

- Final Rinse Samples – After triple rinsing / power washing structures, tanks, or appurtenances, a final rinse sample was collected to determine if any elevated levels of hazardous constituents remain on the decontaminated unit. The most common type of final rinse samples were for tank systems and floor trench rinses. The procedures and number of representative samples collected was consistent with the NYSDEC approved Closure Plan.

- Process Piping Rinse Samples – All process piping was removed and staged in representative batches. Representative batches were triple rinsed / power washed and a final process piping rinse sample was collected that was representative of the batch of piping that was decontaminated. The procedures and number of representative samples collected was consistent with the NYSDEC approved Closure Plan.

- Process Equipment Rinse Samples – All process equipment that may have come into contact with hazardous materials and that was associated with hazardous waste generating operations was triple rinsed / power washed. A final process equipment rinse sample was collected that was representative of the piece of equipment being decontaminated. The procedures and number of representative samples collected was consistent with the NYSDEC approved Closure Plan.

- Subsurface Soil Samples – In some areas, it was determined that structures underlying former hazardous waste areas may have been compromised. In these areas, subsurface soil samples (i.e., samples from underneath the concrete containment structures) were collected to determine if there had been any adverse impacts to the environment as a result of historic operations. These samples were collected either by hand auger or by Geoprobe.

The results of the confirmatory sampling and analyses programs for each of the areas subject to the Closure are summarized in the following sections. Table 3 provides a listing of all confirmatory samples collected, the contaminants of potential concern based upon review of Pall operations, and the analytical parameters included in the confirmatory sampling program.

4.1 Casting Room Closure Effectiveness

Twelve (12) samples were collected in the Casting Room to verify closure effectiveness. Two (2) of the samples were final rinse samples collected from the casting process equipment system; four (4) of the samples were final rinses collected from former process piping systems, three (3) of the samples were trench and sump system final rinse samples; and, three (3) of the samples were subsurface soil samples collected from immediately beneath areas where the trench system integrity was suspect. Each of the sample locations is indicated in Figure 3. Lab results for the casting area are summarized in Table 4

(Table 4a for rinse sample results and Table 4b for soil sample results). Complete analytical reports are provided in Appendix C.

As noted in Table 4a, all final rinse sample results (floors, piping, and equipment) were non-detectable for all compounds except for acetone. Ignitability data demonstrated that the final rinse sample was not ignitable. Furthermore, pH data indicated that the final rinse samples were essentially neutral.

Acetone was detected at trace levels in the final rinse sample from the casting room process equipment (17 ug/l in sample CR-PT-RS5 and 15 ug/l in sample CR-PT-RS6). In addition, acetone was detected at a trace level in the final floor /trench rinse sample near Pit A (8 ug/l in CR-FS-RS3 – see Figure 3 for sample location). None of these levels are considered significant (i.e., no additional decontamination was required). However, subsurface soil sampling was also performed in areas where the trench system showed visual signs of deterioration to determine if any former operations had impacted the subsurface.

As indicated in Table 4b, acetone was detected at concentrations above NYSDEC Recommended Soil Cleanup Objectives (TAGM 4046) in two of the three soil sample locations with a maximum concentration of 34,000 ug/kg in the Pit B sample. Acetone was not directly used by Pall in their processes. As such, the presence of acetone is most likely related to the degradation of isopropyl alcohol, which was used historically by Pall in the casting area. Since this sample was collected below the building floor and all source operations have been eliminated, the presence of acetone locally beneath the floor slab should not pose a significant concern. The potential impact from vapors and the potential for the chemical to leach into the underlying site groundwater has been considered and does not seem to be problematic. Groundwater monitoring at the site completed as part of the Inactive Hazardous Waste Disposal Site program has not indicated acetone as a significant groundwater contaminant; therefore, leaching to groundwater has not been and is not expected to be a significant exposure pathway. Ambient PID monitoring after Closure also did not indicate any significant levels of vapors in the Closure area. Air sampling will be repeated after the concrete floor is restored to confirm the absence of acetone in air within the Closure area. Since the area of potential concern lies under the building, active excavations would not be practical without jeopardizing the structural integrity of the building. Therefore, active remediation is not recommended. The site groundwater will continue to be monitored to ensure that acetone does not significantly impact the underlying site groundwater.

The Casting Area operations are considered closed except as noted above.

4.2 Chemical Mixing Room Closure Effectiveness

Twelve (12) samples were collected in the Chemical Mixing Room to verify closure effectiveness. Seven (7) of the samples were final rinse samples collected from the former mixing tanks; two (2) of the samples were final rinses collected form former process piping systems; and, two (2) of the samples were floor / trench system final rinse samples. Each of the sample locations are indicated in Figure 4. Lab results for

the chemical mixing tank area are summarized in Table 5. Complete analytical reports are provided in Appendix C.

As noted in Table 5, all final rinse sample results (floors, piping, and tank systems) were non-detectable for all compounds. Ignitability data demonstrated that the final rinse sample was not ignitable. PH data indicated that the final rinse samples were essentially neutral.

Based upon review of decontamination procedures, visual observations, and evaluation of confirmatory rinse sample data, the chemical mixing tank area is considered closed.

4.3 Former Hazardous Waste Storage Sheds Closure Effectiveness

Five (5) floor / trench rinse samples and four (4) subsurface soil samples were collected from the trench system in the former storage sheds. Each of the sample locations are indicated in Figure 5. Lab results for the former storage shed areas are summarized in Table 6a for rinse sample results and Table 6b for soil sample results. Complete analytical reports are provided in Appendix C.

As noted in Table 6a, all final rinse sample results were non-detectable for all compounds. Ignitability data demonstrated that the final rinse sample was not ignitable. PH data indicated that the final rinse samples were essentially neutral.

As indicated in Table 6b, all soil sample parameters were non-detectable indicating the absence of soil contamination underlying the former storage shed trench system. There was a slightly corrosive pH reading at 11.2 that indicates a possible localized, high pH area. However, it is our professional opinion that this is not considered a significant concern warranting any further actions.

The outdoor storage shed areas are considered closed.

5.0 FINAL WASTE DISPOSAL

All wastes generated (both hazardous and non-hazardous) were disposed off-site following closure by Pall. Copies of manifests documenting legal off-site disposal are provided in Appendix D.

A total of 2,437 gallons of rinsewaters were generated. These rinsewaters were disposed off-site as Non-RCRA, Non-DOT rinsewaters with trace (<10 ppm) VOCs, based upon sample characterization and generator knowledge. No rinsewater drums remain on-site.

A total of 4 drums of waste solids and residuals were generated. These drums were disposed off-site as Non-DOT, Non-RCRA waste based upon sample characterization and generator knowledge. No solids, sludge or residual drums remain on-site.

All wastes generated during closure have been removed from the site for proper off-site disposal.

6.0 COORDINATION WITH OTHER NYSDEC PROGRAMS

Pall has completed a NYSDEC approved Remedial Investigation (RI) and Feasibility Study at the site. All areas of potential concern (soil and groundwater) were fully investigated. The substantial volume of data obtained (collection and analyses of over 100 soil samples and close to 100 groundwater samples) fully delineated soil and groundwater impacts. The FS Report used the data obtained during the RI to evaluate appropriate remedial alternatives to address soil and groundwater contamination to the satisfaction of the NYSDEC. The FS Report concluded that *In-Situ* Chemical Oxidation (permanganate injection) would be an appropriate remedial approach to address groundwater impacts underlying the site. Pilot testing for the permanganate injection groundwater remedy is in the design phase and will be implemented throughout the summer / fall of 2002.

Since the Closure confirmation sampling has not indicated any significant areas of concern related to past RCRA operations at the site, no remedial actions are proposed for soil and groundwater under the RCRA closure program. Future monitoring will be completed as part of the IHWDS program.

7.0 CERTIFICATION OF CLOSURE

Based upon visual observations, review of decontamination procedures, and confirmatory sample results indicating the effectiveness of decontamination and closure activities, Enviro-Sciences, P.C. certifies that Pall's former hazardous waste generation operations have been closed in accordance with the NYSDEC approved Closure Plan.

No further action is recommended other than groundwater monitoring for acetone to verify that the small area of soil underlying the former casting area is not a source of groundwater contamination and collection of an air sample inside the Pall building to verify that there are no elevated levels of acetone within the building at concentrations warranting actions. Acetone will be included in the list of analytical parameters during future IHWDS monitoring of groundwater for a minimum of two sampling events. If results indicate that acetone does not pose a significant concern, further acetone monitoring will not be required. A single air sample will be collected after concrete restoration for breathing zone space monitoring for acetone. Provided that results are satisfactory, no additional vapor monitoring will be necessary for acetone.

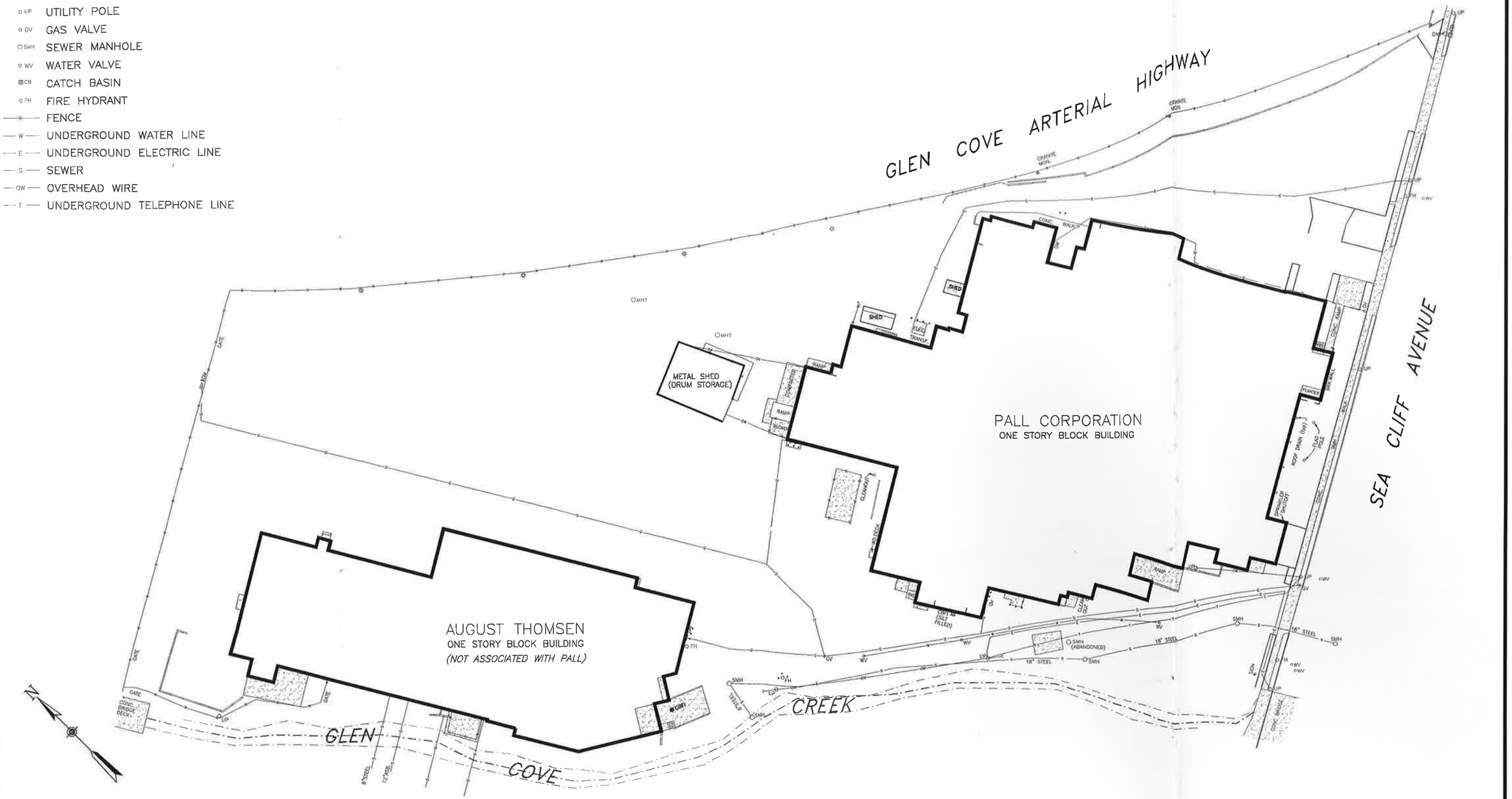
It is further recommended that these activities (i.e., groundwater monitoring and collection of the indoor air sample) be coordinated under the NYSDEC IHWDS program for the reasons stated previously and that the site be considered closed under 6 NYCRR Part 373.

Figures

Tables

LEGEND

- UP UTILITY POLE
- GV GAS VALVE
- SMH SEWER MANHOLE
- WV WATER VALVE
- CB CATCH BASIN
- FH FIRE HYDRANT
- —X— FENCE
- —W— UNDERGROUND WATER LINE
- —E— UNDERGROUND ELECTRIC LINE
- —S— SEWER
- —OW— OVERHEAD WIRE
- —T— UNDERGROUND TELEPHONE LINE



0 60 120
SCALE FEET

ENVIRO-SCIENCES, INC.
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PALL

Pall Corporation
30 Sea Cliff Avenue
Glen Cove, New York 11542

Date:	5/29/02	Drawn:	TRS
Rev. No.:	–	Designed:	DJS
Project No.:	MT&E–PALL–M371	File:	PALLSITE

Title: **SITE PLAN**

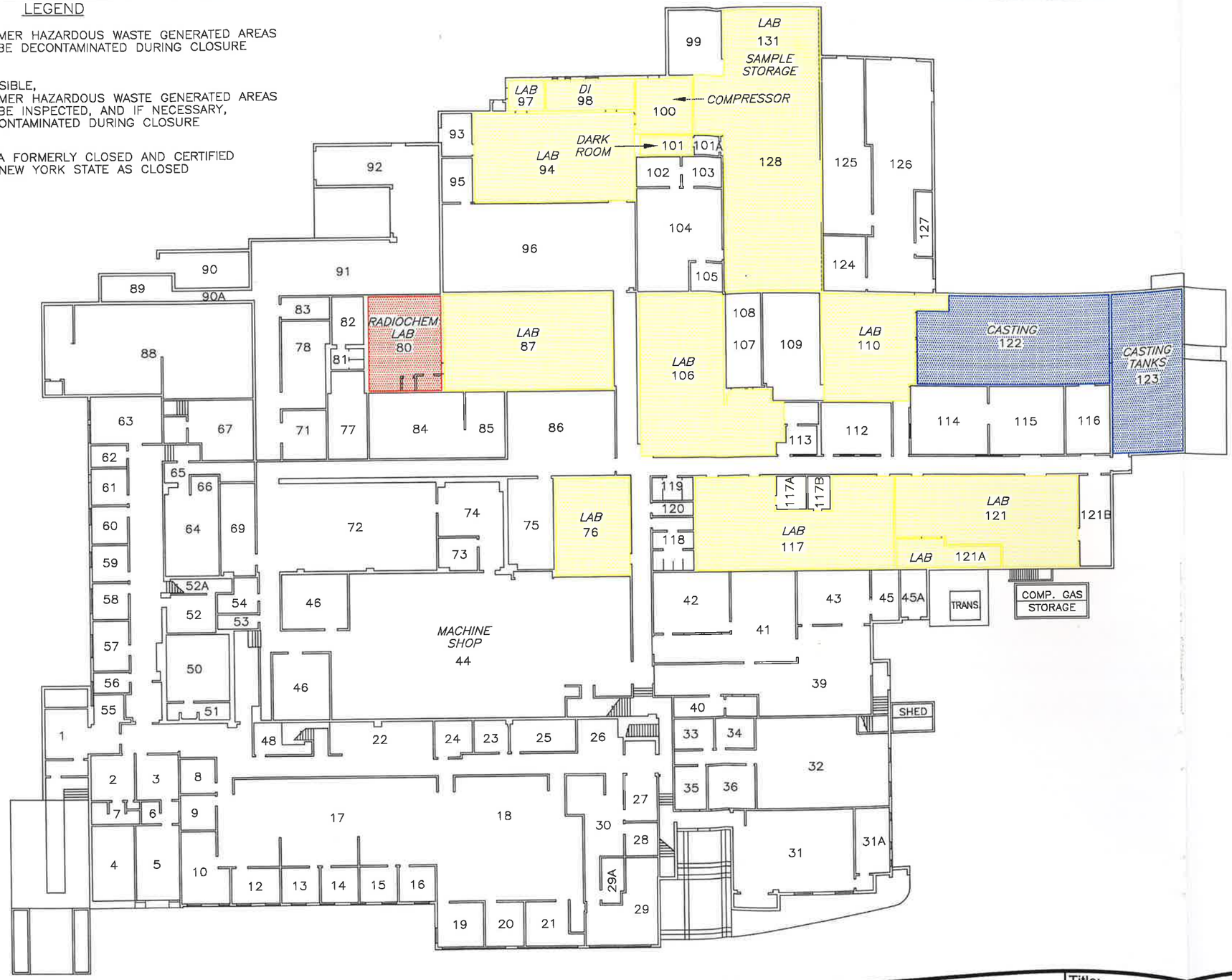
Figure: **1**

LEGEND

FORMER HAZARDOUS WASTE GENERATED AREAS TO BE DECONTAMINATED DURING CLOSURE

POSSIBLE, FORMER HAZARDOUS WASTE GENERATED AREAS TO BE INSPECTED, AND IF NECESSARY, DECONTAMINATED DURING CLOSURE

AREA FORMERLY CLOSED AND CERTIFIED BY NEW YORK STATE AS CLOSED



GRAPHIC SCALE
0 15 30
1" = 30'-0" (approximate)

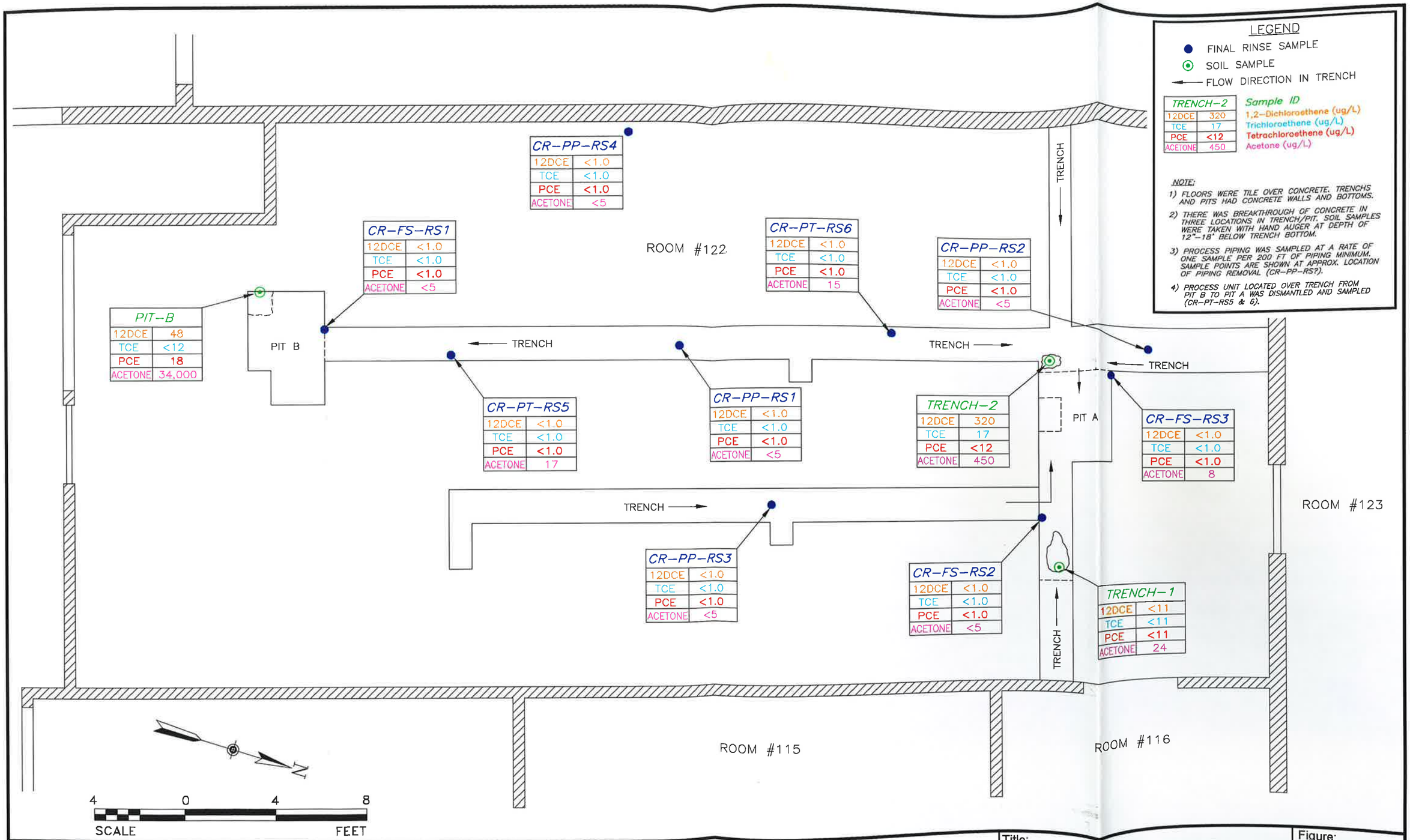
SOURCE
FIRST FLOOR PLAN ALLOCATION
DWG NO: CD-C293-IL291
DATE: 9/15/95

ENVIRO-SCIENCES, INC.
312 EAST MAIN STREET
PATCHOGUE, NEW YORK 11772
PHONE: 631-207-9005 FAX: 631-207-3614

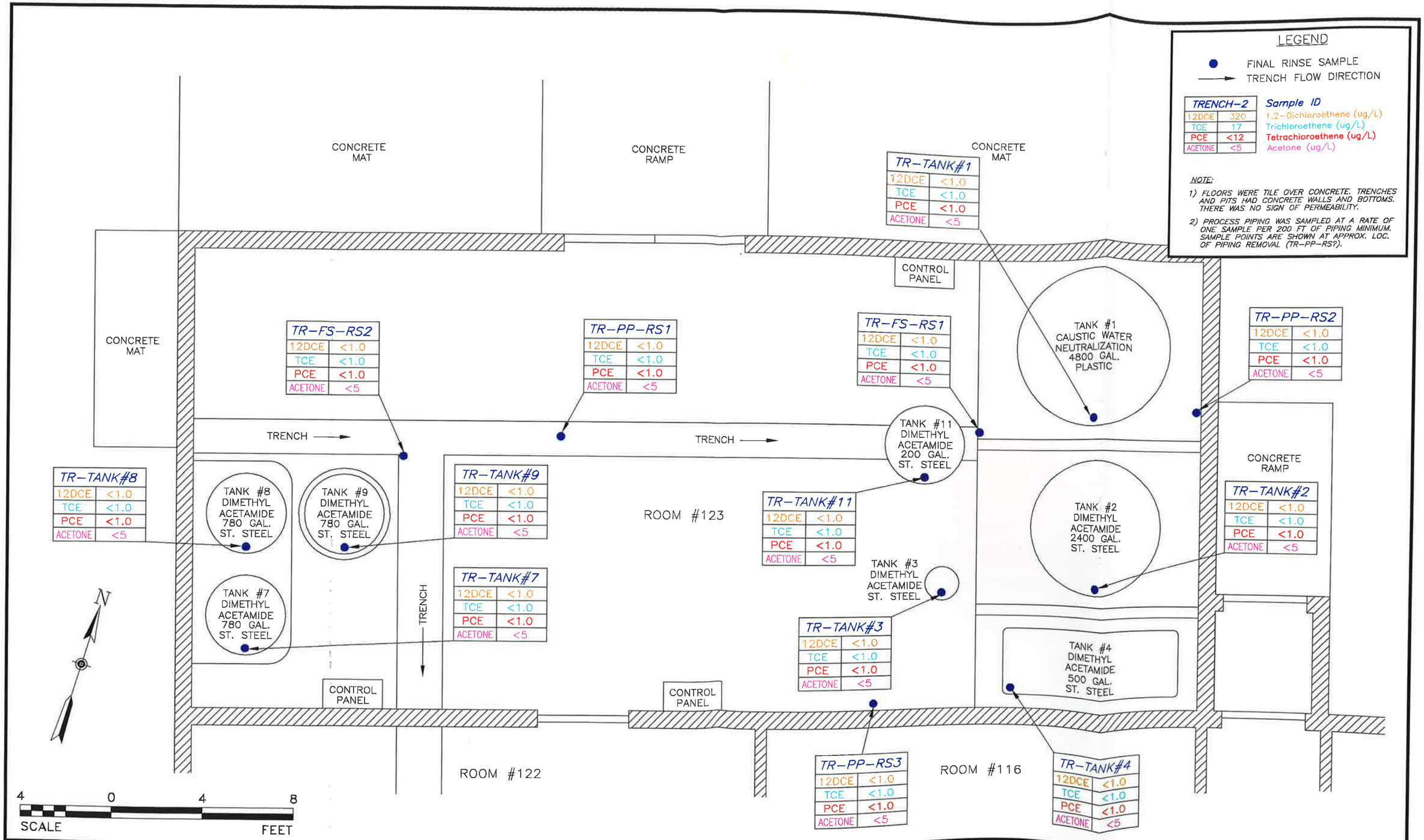
PALL

Pall Corporation
30 Sea Cliff Avenue
Glen Cove, New York 11542

Date: 7/15/02	Drawn: TRS	Title: FLOOR PLAN	Figure: 2
Rev. No.: -	Designed: DJS		
Project No.: MT&E-PALL-M371	File: PALLBINT		



ENVIRO-SCIENCES, INC. 312 EAST MAIN STREET PATCHOGUE, NEW YORK 11772 PHONE: 631-207-9005 FAX: 631-207-3614	PALL Pall Corporation 30 Sea Cliff Avenue Glen Cove, New York 11542	Date: 6/5/02 Rev. No.: - Project No.: MT&E-PALL-M371	Drawn: TRS Designed: DJS File: RCRA-CASTING2	Title: CASTING ROOM SAMPLE LOCATIONS & ANALYTICAL RESULTS	Figure: 3



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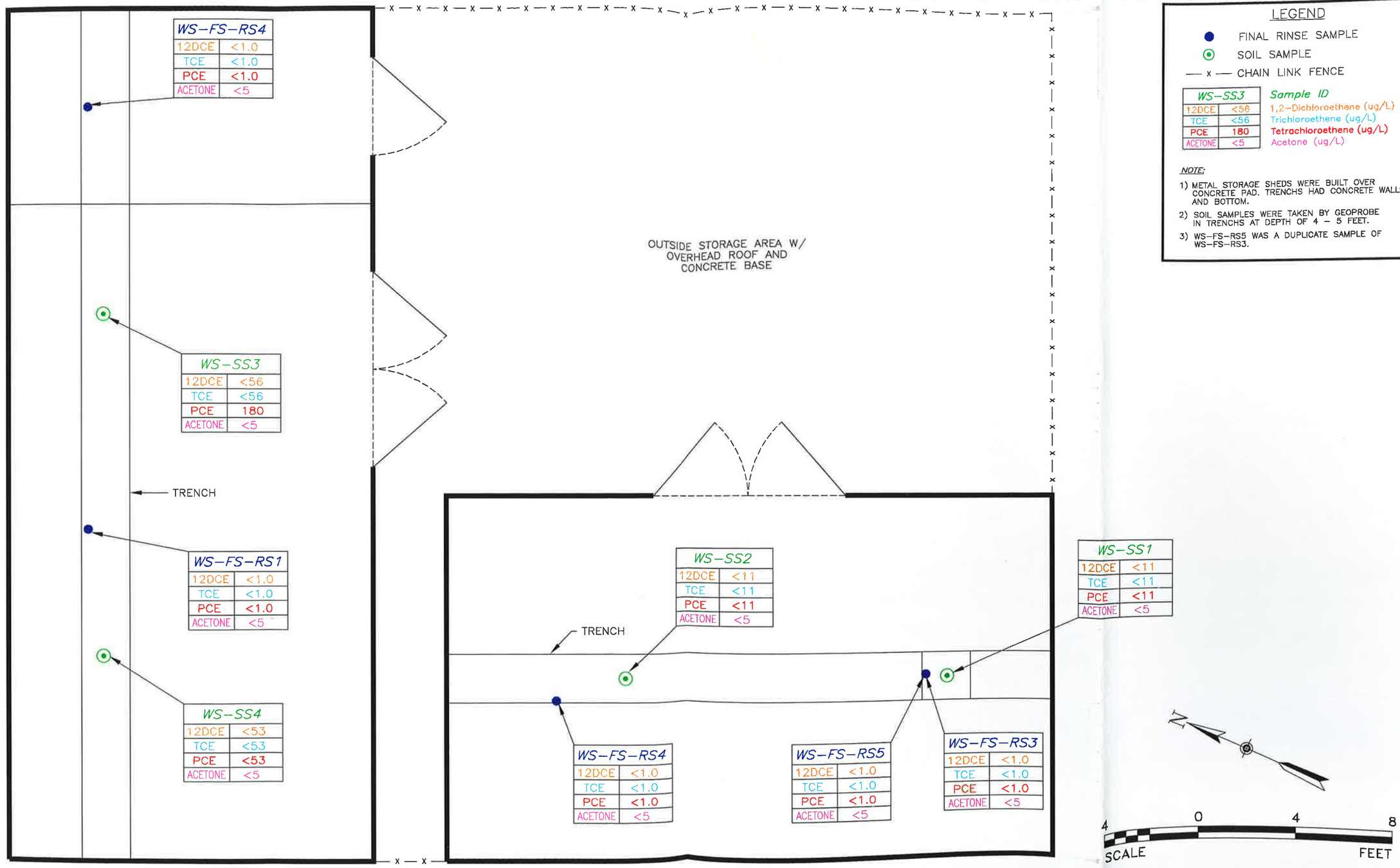
Date: 5/7/02	Drawn: TRS
Rev. No.: -	Designed: TRS
Project No.: PALL-GCRCRA	File: RCRA-TANKROOM2

Title: **CHEMICAL MIXING ROOM SAMPLE LOCATIONS & ANALYTICAL RESULTS**

Figure: **4**



LEGEND

- FINAL RINSE SAMPLE
- SOIL SAMPLE
- — x — CHAIN LINK FENCE

WS-SS3	Sample ID
12DCE <56	1,2-Dichloroethene (ug/L)
TCE <56	Trichloroethene (ug/L)
PCE 180	Tetrachloroethene (ug/L)
ACETONE <5	Acetone (ug/L)

NOTE:

1) METAL STORAGE SHEDS WERE BUILT OVER CONCRETE PAD. TRENCHS HAD CONCRETE WALLS AND BOTTOM.
2) SOIL SAMPLES WERE TAKEN BY GEOPROBE IN TRENCHS AT DEPTH OF 4 – 5 FEET.
3) WS-FS-RS5 WAS A DUPLICATE SAMPLE OF WS-FS-RS3.

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30 Sea Cliff Avenue
Glen Cove, New York 11542

Date: 6/05/02	Drawn: TRS	Title: **HAZARDOUS WASTE STORAGE SHEDS SAMPLE LOCATIONS & ANALYTICAL RESULTS**	Figure: **5**
Rev. No.: –	Designed: DJS		
Project No.: PALL-GCRCRA	File: RCRA-HZSTORAGE2		

Tables

Table 1
Final Closure Schedule
Hazardous Waste Storage Area and Hazardous Waste Generating Processes

Storage Unit	Size of Area	Time Required to Complete Task (days)
Hazardous Waste Storage Areas:		
Drum Storage Area Inventory Characterization and Disposal	78 Drums Total Capacity	7
Decontamination of Casting Room and Associated tank systems	Approx. 1300 s.f. Floor Space	21
Final Rinses and Closure Confirmation	All hazardous waste storage areas identified above.	7
Non-Hazardous Waste Areas – (Processes that Generated Hazardous Wastes)		
Inspection of Former Lab Areas	11 to 15 rooms, total square footage of approximately 8,500 square ft.	2
Decontamination of Former Lab Areas (if necessary)	To be determined during initial inspections	14

Table 2
Maximum Inventory of Hazardous Wastes
(Annual Generation **)

Inventory Description	Mass	Storage Type	Waste Code
PVM Scrap Resins	91,800 pounds	Drums	D001
Oils with Non-Halogenated Solvents	2,500 pounds	Drums	D001, F003
Methylene Chloride Waste	150 pounds	Drums	F002
Flammable Waste Solvents (Acetone, MeOH, EtOH, IPA, toluene, hexane, MEK, etc.)	5,600 pounds	Drums	D001, D035, F003, F005
Waste Acids	1,500 pounds	Drums	D001, D002
Various Lab Pack Wastes (small-scale containers)	1,500 pounds	Various	Various
Waste Corrosives / Caustics	4,000 pounds	Bulk, Drums	D002

** NOTE: The data in this table is based upon the total ***annual*** hazardous waste generated at the facility and represents an approximate maximum from ***each*** waste category. The actual amount of hazardous wastes on-site at any given time was ***significantly*** less.

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Waste Acids	1,500 pounds	Drums	D001, D002
Various Lab Pack Wastes (small-scale containers)	1,500 pounds	Various	Various
Waste Corrosives / Caustics	4,000 pounds	Bulk, Drums	D002

** NOTE: The data in this table is based upon the total ***annual*** hazardous waste generated at the facility and represents an approximate maximum from ***each*** waste category. The actual amount of hazardous wastes on-site at any given time was ***significantly*** less.

Table 3
Confirmatory Sample Summary

Closure Area	Tank No. and Contents	No. Samples / Type	Analytical Parameters
Chemical Mixing Room	Tank #1 Elementary Neutralization Process Tank	1 Tank Final Rinse Sample (TR-Tank#1) 1 Process Pipe Rinse Sample (TR-PP-RS2)	Ignitability, pH, Corrosivity
	Tank #2 DMAC Make-up Tank	1 Final Rinse Sample (TR-Tank#2)	Ignitability, pH, VOCs (EPA 624)
	Tank #3 DMAC Make-up Tank	1 Final Rinse Sample (TR-Tank#3)	Ignitability, pH, VOCs (EPA 624)
	Tank #4 DMAC Make-up Tank	1 Final Rinse Sample (TR-Tank#4))	Ignitability, pH, VOCs (EPA 624)
	Tank #7 DMAC, IPA, Water	1 Final Rinse Sample (TR-Tank#7)	Ignitability, pH, VOCs (EPA 624)
	Tank #8 DMAC, IPA, Water	1 Final Rinse Sample (TR-Tank#8)	Ignitability, pH, VOCs (EPA 624)
	Tank #9 DMAC, IPA, Water	1 Final Rinse Sample (TR-Tank#9)	Ignitability, pH, VOCs (EPA 624)
	Dike / Trench Interface Floor Rinse	1 Final Rinse Sample (TR-FS-RS1)	Ignitability, pH, VOCs (EPA 624)
	Process Piping from Tank #3 and Former Tanks #5, #6, and #10	1 Process Pipe Rinse Sample (TR-PP-RS3)	Ignitability, pH, VOCs (EPA 624)
	Process Piping from Tank # 7, #8, and #9 Area	1 Process Pipe Rinse Sample (TR-PP-RS1)	Ignitability, pH, VOCs (EPA 624)
	Tank #7, #8, & #9 Floor Trench System	1 Final Rinse Sample (TR-FS-RS2)	Ignitability, pH, VOCs (EPA 624)
Casting Room	Former Casting Process Tank DMAC, IPA, Water	2 Final Rinse Samples (CR-PT-RS5, CR-PT-RS6)	Ignitability, pH, VOCs (EPA 624)
	Floor and Floor Trench System (under Processing Tank Area)	3 Final Rinse Samples at Low Points and Sumps (CR-FS-RS1, CR-FS-RS2, and CR-FS-RS3)	Ignitability, pH, VOCs (EPA 624)
	Process Piping from Casting System	4 Process Rinse Samples (1 per 200 lf pipe) (CR-PP-RS1, CR-PP-RS2, CR-PP-RS3, CR-PP-RS4)	Ignitability, pH, VOCs (EPA 624)
	Subsurface Soil Samples Beneath Eroded Trench Areas	3 Soil Samples (one form each eroded area) (Trench-1, Trench-2, and Trench-3)	Ignitability, pH, VOCs (EPA 624)

Table 3
Confirmatory Sample Summary (continued)

Closure Area	Tank No. and Contents	No. Samples / Type	Analytical Parameters
R&D Labs	Visual inspection	PID readings in each room and detailed visual inspection indicated no evidence of any hazardous materials usage	PID Screening only – No Elevated Readings)
"New" Haz. Waste Container Shed	Floor and Floor Trench Rinses	3 Final Samples (WS-FS-RS3, WS-FS-RS4, WS-FS-RS5)	Ignitability, pH, VOCs (EPA 624)
	Subsurface Soil Borings Below Trench Systems	Two Geoprobe Borings Below Trench Low points (WS-SS1, WS-SS2)	Ignitability, pH, VOCs (EPA 624)
"Old" Haz. Waste Container Shed	Floor and Floor Trench Rinses	2 Final Samples (WS-FS-RS1, WS-FS-RS2)	Ignitability, pH, VOCs (EPA 624)
	Subsurface Soil Borings Below Trench Systems	Two Geoprobe Borings Below Trench Low points (WS-SS3, WS-SS4)	Ignitability, pH, VOCs (EPA 624)

Notes:

1. Tanks #5, #6, and #10 had been previously removed before the start of closure. Remaining process piping and underlying floor were triple rinsed and confirmatory samples were collected.

2. The interior, subsurface soil samples were collected after chipping away any deteriorated trench areas to expose the subsurface soils, then extending a hand auger approximately 1 to 2 feet into the soil to collect the soil samples.

3. All samples were analyzed for parameters consistent with the NYSDEC approved Closure Plan.

Table 4a

Casting Area Final Rinse Sample Results

(all results in ug/l except Ignitabilty in Deg. F and pH in Standard Units)

Parameters / Sampling Date / Sample Designation	6 NYCRR Part 371 Characteristic of Hazardous Waste	Equipment Final Rinses		Piping Final Rinses				Floor / Trench Final Rinses		
		2/7/2002	2/7/2002	2/7/2002	2/7/2002	2/7/2002	2/7/2002	2/13/2002	2/13/2002	2/13/2002
		CR-PT-RS5	CR-PT-RS6	CR-PP-RS1	CR-PP-RS2	CR-PP-RS3	CR-PP-RS4	CR-FS-RS1	CR-FS-RS2	CR-FS-RS3
Acetone	NA	17	15	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	8
Benzene	500	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Bromodichloromethane	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Bromoform	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Bromomethane	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
2-Butanone	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Carbon disulfide	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Carbon Tetrachloride	500	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Chlorobenzene	100,000	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Chloroethane	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Chloroform	6,000	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Dibromochloromethane	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,1-Dichloroethane	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-Dichloroethane	500	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,1-Dichloroethene	700	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-Dichloroethene	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-Dichloropropane	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
cis-1,3-Dichloropropene	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Ethylbenzene	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
2-Hexanone	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Methylene chloride	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
4-Methyl-2-pentanone	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Styrene	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1.1,2,2,2-Tetrachloroethane	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Tetrachloroethene	700	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Toluene	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
trans-1,3-Dichloropropene	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,1,1-Trichloroethane	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,1,2-Trichloroethane	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Trichloroethene	500	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Vinyl chloride	200	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Xylene (total)	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Ignitability		>60	>60	>60	>60	>60	>60	>60	>60	>60
PH		7.3	7.2	7.2	7.1	7.1	7.2	8	6.3	5.5

B - value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit.

U - Analyte was analyzed for but not detected above the Instrument Detection Limit.

Note: Acetone was not originally included in analytical reports. Acetone data was requested after review of soil data indicating acetone.

All results in ug/l except as noted below:

pH in Standard Units

Ignitability in Degrees Fahrenheit.

Table 4b
Casting Area - Subsurface Soil Sample Results
(all results in ug/l except Ignitabilty in Deg. F and pH in Standard Units)

Sampling Date	TAGM 4046	4/10/2002		4/10/2002		4/10/2002	
Sample Designation	Recommended Soil	TRENCH-1		TRENCH-2		Pit-B	
Sample Depth (ft bsg)	Cleanup Objectives (ug/kg)	4-5'		4-5'		4-5'	
Acetone	200	24	E	*450*	*E*	*34000*	*E*
Benzene	60	<11	U	<12	U	<12	U
Bromodichloromethane		<11	U	<12	U	<12	U
Bromoform		<11	U	<12	U	<12	U
Bromomethane		<11	U	<12	U	<12	U
2-Butanone	300	<11	U	19	B	<12	U
Carbon disulfide	2,700	<11	U	<12	U	<12	U
Carbon Tetrachloride	600	<11	U	<12	U	<12	U
Chlorobenzene	1,700	<11	U	<12	U	<12	U
Chloroethane	1,900	<11	U	<12	U	<12	U
Chloroform	300	<11	U	<12	U	<12	U
Dibromochloromethane		<11	U	<12	U	<12	U
1,1-Dichloroethane	200	<11	U	<12	U	<12	U
1,2-Dichloroethane	100	<11	U	<12	U	<12	U
1,1-Dichloroethene	400	<11	U	<12	U	<12	U
1,2-Dichloroethene	300	<11	U	*320*	*B*	48	B
1,2-Dichloropropane		<11	U	<12	U	<12	U
cis-1,3-Dichloropropene	300	<11	U	<12	U	<12	U
Ethylbenzene	5,500	<11	U	<12	U	<12	U
2-Hexanone		<11	U	<12	U	<12	U
Methylene chloride	100	<11	U	<12	U	39	B
4-Methyl-2-pentanone	1,000	<11	U	<12	U	<12	U
Styrene		<11	U	<12	U	<12	U
1.1,2,2,2-Tetrachloroethane	600	<11	U	<12	U	<12	U
Tetrachloroethene	1,400	<11	U	<12	U	18	B
Toluene	1,500	<11	U	<12	U	<12	U
trans-1,3-Dichloropropene	300	<11	U	<12	U	<12	U
1,1,1-Trichloroethane	800	<11	U	<12	U	<12	U
1,1,2-Trichloroethane		<11	U	<12	U	<12	U
Trichloroethene	700	<11	U	17	B	<12	U
Vinyl chloride	200	<11	U	<12	U	<12	U
Xylene (total)	1,200	<11	U	<12	U	<12	U
Ignitability		>60		>60		>60	
PH		7.1		8.3		8.5	

Notes:
B - value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit.
U - Analyte was analyzed for but not detected above the Instrument Detection Limit.
E - Estimated value
ft bsg - feet below surface grade
ug/kg - micrograms per kilogram
ppb - parts per billion

Table 5

Chemical Mixing Room Final Rinse Sample Results

(all results in ug/l except ignitability in Deg. F and pH in Standard Units)

Parameters	6 NYCRR Part 371	Tank Rinse Samples							Pipe Rinse Samples			Floor Rinse Samples	
Sampling Date	Characteristic of	2/12/2002	2/12/2002	2/12/2002	2/11/2002	2/11/2002	2/11/2002	2/11/2002	2/11/2002	2/11/2002	2/11/2002	2/13/2002	2/13/2002
Sample Designation	Hazardous Waste	TR-TANK#1	TR-TANK#2	TR-TANK#3	TR-TANK#4	TR-TANK#7	TR-TANK#8	TR-TANK#9	TR-PP-RS1	TR-PP-RS2	TR-PP-RS3	TR-FS-RS1	TR-FS-RS2
Acetone	NA	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U
Benzene	500	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Bromodichloromethane	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Bromoform	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Bromomethane	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
2-Butanone	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Carbon disulfide	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Carbon Tetrachloride	500	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Chlorobenzene	100,000	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Chloroethane	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Chloroform	6,000	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Dibromochloromethane	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,1-Dichloroethane	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-Dichloroethane	500	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,1-Dichloroethene	700	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-Dichloroethene	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-Dichloropropane	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
cis-1,3-Dichloropropene	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Ethylbenzene	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
2-Hexanone	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Methylene chloride	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
4-Methyl-2-pentanone	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Styrene	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,1,2,2,2-Tetrachloroethane	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Tetrachloroethene	700	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Toluene	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
trans-1,3-Dichloropropene	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,1,1-Trichloroethane	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,1,2-Trichloroethane	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Trichloroethene	500	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Vinyl chloride	200	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Xylene (total)	NA	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
Ignitability		>60	>60	>60	>60	>60	>60	>60	>60	>60	>60	>60	>60
PH		7.2	7.5	6.8	6.4	6.7	5.8	6.1	9.2	5.8	5.7	7.3	7.5

B - value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit.
U - Analyte was analyzed for but not detected above the Instrument Detection Limit.
Note: Acetone was not originally included in analytical reports. Acetone data was requested after review of soil data indicating acetone.
All results in ug/l except as noted below:
pH in Standard Units
Ignitability in Degrees Fahrenheit.

Table 6a

Former Storgae Sheds - Final Rinse Sample Results

(all results in ug/l except Ignitability in Deg. F and pH in Standard Units)

Parameters / Sampling Date / Sample Designation	6 NYCRR Part 371 Characteristic of Hazardous Waste	Floor Rinse Samples									
		2/13/2002 WS-TR-RS1		2/13/2002 WS-TR-RS2		2/13/2002 WS-TR-RS3		2/13/2002 WS-TR-RS4		2/13/2002 WS-TR-RS5	
Acetone	NA	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Benzene	500	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromodichloromethane	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromoform	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromomethane	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
2-Butanone	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Carbon disulfide	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Carbon Tetrachloride	500	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chlorobenzene	100,000	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroethane	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroform	6,000	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromochloromethane	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethane	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloroethane	500	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethene	700	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloroethene	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloropropane	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,3-Dichloropropene	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Ethylbenzene	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
2-Hexanone	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Methylene chloride	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
4-Methyl-2-pentanone	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Styrene	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1.1,2,2,2-Tetrachloroethane	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Tetrachloroethene	700	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Toluene	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,3-Dichloropropene	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1-Trichloroethane	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethane	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Trichloroethene	500	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl chloride	200	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Xylene (total)	NA	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Ignitability		>60 deg. C		>60 deg. C		>60 deg. C		>60 deg. C		>60 deg. C	
PH		7.4	S.U.	7.4	S.U.	7.4	S.U.	7.4	S.U.	7.5	S.U.

B - value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit.
U - Analyte was analyzed for but not detected above the Instrument Detection Limit.
Note: Acetone was not originally included in analytical reports. Acetone data was requested after review of soil data indicating acetone.
All results in ug/l except as noted below:
pH in Standard Units
Ignitability in Degrees Fahrenheit.

Table 6b
Former Outdoor Storage Sheds - Subsurface Soil Sample Results
(all results in ugll except Ignitabilty in Deg. F and pH in Standard Units)

Sampling Date	TAGM 4046	2/14/2002		2/14/2002		2/14/2002		2/14/2002	
Sample Designation	Recommended Soil	WS-SS1		WS-SS2		WS-SS3		WS-SS4	
Sample Depth (ft bsg)	Cleanup Objectives (ug/kg)	4-5		4-5		4-5		4-5	
Acetone	200	<11	U	<11	U	<56	U	<53	U
Benzene	60	<11	U	<11	U	<56	U	<53	U
Bromodichloromethane	NA	<11	U	<11	U	<56	U	<53	U
Bromoform	NA	<11	U	<11	U	<56	U	<53	U
Bromomethane	NA	<11	U	<11	U	<56	U	<53	U
2-Butanone	300	<11	U	<11	U	<56	U	<53	U
Carbon disulfide	2,700	<11	U	<11	U	<56	U	<53	U
Carbon Tetrachloride	600	<11	U	<11	U	<56	U	<53	U
Chlorobenzene	1,700	<11	U	<11	U	<56	U	<53	U
Chloroethane	1,900	<11	U	<11	U	<56	U	<53	U
Chloroform	300	<11	U	<11	U	<56	U	<53	U
Dibromochloromethane	NA	<11	U	<11	U	<56	U	<53	U
1,1-Dichloroethane	200	<11	U	<11	U	<56	U	<53	U
1,2-Dichloroethane	100	<11	U	<11	U	<56	U	<53	U
1,1-Dichloroethene	400	<11	U	<11	U	<56	U	<53	U
1,2-Dichloroethene	300	<11	U	<11	U	<56	U	<53	U
1,2-Dichloropropane	NA	<11	U	<11	U	<56	U	<53	U
cis-1,3-Dichloropropene	300	<11	U	<11	U	<56	U	<53	U
Ethylbenzene	5,500	<11	U	<11	U	<56	U	<53	U
2-Hexanone	NA	<11	U	<11	U	<56	U	<53	U
Methylene chloride	100	<11	U	<11	U	<56	U	<53	U
4-Methyl-2-pentanone	1,000	<11	U	<11	U	<56	U	<53	U
Styrene	NA	<11	U	<11	U	<56	U	<53	U
1.1,2,2,2-Tetrachloroethane	600	<11	U	<11	U	<56	U	<53	U
Tetrachloroethene	1,400	<11	U	<11	U	180	B	<53	U
Toluene	1,500	<11	U	<11	U	<56	U	<53	U
trans-1,3-Dichloropropene	300	<11	U	<11	U	<56	U	<53	U
1,1,1-Trichloroethane	800	<11	U	<11	U	<56	U	<53	U
1,1,2-Trichloroethane	NA	<11	U	<11	U	<56	U	<53	U
Trichloroethene	700	<11	U	<11	U	<56	U	<53	U
Vinyl chloride	200	<11	U	<11	U	<56	U	<53	U
Xylene (total)	1,200	<11	U	<11	U	<56	U	<53	U
PH		5.9		7.2		*11.1*		5.8	

Notes:
B - value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit.
U - Analyte was analyzed for but not detected above the Instrument Detection Limit.
E - Estimated value
ft bsg - feet below surface grade
ug/kg - micrograms per kilogram
ppb - parts per billion

Horiba U-20XD - pH
DO
Conductivity/salinity
Total dissolved solids
Temp
Turbidity
Depth of water
Oxidation-Reduction Potential ORP

TABLE 2
PERFORMANCE MONITORING DATA COLLECTION

Following Inj until Reactio complete

Parameter	When Monitored	Monitoring Frequency
Field Depth to Water	Baseline, During Injection, Following Injection	Once prior to each injection phase, at least 2 times daily during testing, once following testing
Field Groundwater Temperature	Baseline, During Injection, Following Injection	Once prior to each injection phase, at least 2 times daily during testing, once following testing
Field Groundwater Conductivity	Baseline, Following Injection	Once prior to testing, once following testing
Field Groundwater pH	Baseline, During Injection, Following Injection	Once prior to each injection phase, at least 2 times daily during testing, once following testing
Field Dissolved Oxygen in Groundwater	Baseline, During Injection, Following Injection	Once prior to each injection phase, at least 2 times daily during testing, once following testing
Field Groundwater Turbidity	Baseline, Following Injection	Once prior to each injection phase, once following testing
Field Permanganate in Groundwater (color)	Baseline, During Injection, Following Injection	Once prior to each injection phase, at least 2 times daily during testing, once following testing
* LAB VOCs and Freons in Groundwater	Baseline, During Injection, Following Injection	Once prior to testing, at select times during injection, following all injection events
* LAB Metals in Groundwater	Baseline, Following Injection During	Once prior to testing, twice following testing
Field ORP in Groundwater	Baseline, During Injection, Following Injection	Once prior to testing, at select times during injection, following all injection events
* LAB TOC in Groundwater	Baseline, Following Injection	Once prior to testing, once following all injection events
Field Chloride in Groundwater	Baseline, During Injection, Following Injection	Once prior to testing, twice following testing

Weekly until gone

Bi Weekly until gone

weekly until gone

purple to 0.2ppm then spectrophotomer

Assume 10 day DEC Approval

7/29 8/5 8/12 8/19 8/26 9/2 9/9 9/16 9/23 9/30 10/7 10/14 10/21 10/28 11/4 11/11 11/18 11/25 12/2 12/9 12/16 12/23 12/30 1/6 1/13

Figure 1
Preliminary Permanganate Pilot Test Schedule

ID	Task Name	Duration	Start	Finish
1	Procurement & Mobilization	30 days	Tue 4/2/02	Mon 5/13/02
2	Well Installation & Development	30 days	Tue 4/16/02	Mon 5/27/02
3	Baseline Sampling & Analysis	5 days	Tue 5/28/02	Mon 6/3/02
4	Field Set-up	10 days	Tue 6/21/02	Mon 6/24/02
5	Phase I monitoring Letter to DEC	5 Days 5 Days -? Analyticals?	Tue 6/4/02	Mon 6/10/02
6	Phase II	5 days	Tue 6/11/02	Mon 6/17/02
7	Phase III	5 days	Tue 6/18/02	Mon 6/24/02
8	Phase IV Phase V	5 Days	Tue 6/25/02	Mon 7/1/02
9	Field Monitoring	20 days	Tue 7/2/02	Mon 7/29/02
10	Draft Pilot Test Report	20 days	Tue 7/30/02	Mon 8/26/02
11	Final Pilot Test Report	10 days	Tue 8/27/02	Mon 9/9/02
12	Completion of Pilot Test	0 days	Mon 9/9/02	Mon 9/9/02

2 months Rental EQUIPT

APPENDIX A

NASSAU COUNTY DEPARTMENT OF HEALTH
TOXIC OR HAZARDOUS MATERIAL STORAGE FACILITY PERMIT

NASSAU COUNTY
DEPARTMENT of HEALTH

TOXIC OR HAZARDOUS MATERIALS STORAGE FACILITY PERMIT

Facility Number	000004	Type of Permit	☒ Operation ☐ Construction	Date Issued:	02/01/1999	Date Modified:	05/01/1999	Expiration Date:	02/01/2000
Name of Permittee:	PALL CORPORATION			Address of Permittee:	2200 NORTHERN BLVD. EAST HILLS NY				

GENERAL CONDITIONS

1. By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with Article XI, Nassau County Public Health Ordinance.
2. All work carried out under this permit shall conform to the approved plans and specifications. Any amendments must be approved by the Nassau County Department of Health prior to their implementation. The permittee shall notify the Health Department 48 hours in advance of the start of construction.
3. As a condition of the issuance of this permit, the applicant has accepted expressly, by the execution of the application, the full legal responsibility for all damages direct or indirect, of whatever nature, and by whomever suffered, arising out of the project described herein and has agreed to defend, indemnify and save harmless the County from suits, actions, damages and costs of every name and description resulting from the said project.

** NOT TRANSFERABLE **

Name of Facility: PALL CORPORATION

Mailing Address: 30 SEA CLIFF AVE.
GLEN COVE NY 11542-

FACILITY ADDRESS:
30 SEA CLIFF AVE.
GLEN COVE NY 11542

THIS FACILITY CONSISTS OF STORAGE AREAS AS LISTED ON PLANS AND APPLICATIONS FILED WITH THIS DEPARTMENT

Tank/Storage Area Number	Capacity	Type of Toxic or Hazardous Material Stored	REPLACE DATE
TANK 0001	4500 GALLONS	CAUSTICS	
BULK 0001	2200 GALLONS	MULTIPLE CHEMICALS STORED	
BULK 0002	2090 GALLONS	MULTIPLE CHEMICALS STORED	

Authorizing Officer Marlene M. Hamann | Kathleen A. Gaffney, M.D., M.P.H. Commissioner of Health

EH 768 9/86

THIS PERMIT MUST BE POSTED IN A CONSPICUOUS PLACE AT THE FACILITY

FMIGS52 00110 PERMIT NO. 04655

STATE OF NEW YORK
COUNTY OF NASSAU
OFFICE OF FIRE MARSHAL

TR FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK REGISTRATION

LOCATION: PALL CORPORATION 30 SEA CLIFF AVE GLEN COVE, NY 11542

ISSUED TO: NAME PALL CORPORATION
ADDRESS 2200 NORTHERN BLVD
EAST HILLS, NY 11548

DATE ISSUED: 10/01/96
EXPIRE DATE: 10/31/01

TANK	SIZE	PRODUCT	DATE INSTALLED	DATE TESTED	CONSTRUCTION
BB01	525	3 01219 00	01/01/85		STL
CB01	2400	3 01219 00	01/01/85		STL
CB02	50	3 01219 00	01/01/85		STL
CB03	500	3 01219 00	01/01/85		STL
CB04	220	3 01219 00	01/01/93		STL
CB05	200	3 01219 00	01/01/85		STL
CB06	780	3 01219 00	01/01/85		STL
CB07	780	3 01	01/01/85		STL

POST IN A CONSPICUOUS LOCATION

NOV 29 1996

ASSISTANT FIRE MARSHAL

FMIGS52 00110 PERMIT NO. 04655

STATE OF NEW YORK
COUNTY OF NASSAU
OFFICE OF FIRE MARSHAL

TR FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK REGISTRATION

LOCATION: PALL CORPORATION 30 SEA CLIFF AVE GLEN COVE, NY 11542

ISSUED TO: NAME PALL CORPORATION
ADDRESS 2200 NORTHERN BLVD
EAST HILLS, NY 11548

DATE ISSUED: 10/01/96
EXPIRE DATE: 10/31/01

TANK	SIZE	PRODUCT	DATE INSTALLED	DATE TESTED	CONSTRUCTION
CB08	780	3 01219 00	01/01/85		STL
CB09	220	3 01219 00	01/01/93		STL
CB10	200	3 01219 00	01/01/85		STL

****

POST IN A CONSPICUOUS LOCATION

NOV 29 1996

ASSISTANT FIRE MARSHAL

Thomas S. Gulotta
County Executive

David M. Barlow
Fire Marshal

COUNTY OF NASSAU

Tank Registration Application
Storage Identification and Information

Reviewed By	Date Reviewed
New ☐ Renewal ☐	Modify ☐
Date Entered In Computer	Tank Registration Issued
Registration Number	Expiration Date

Facility Name: Pall Corp.

Facility Address: 30 Sea Cliff Ave., Glen Cove, N.Y. 11542

UNIT TYPE	CONSTRUCTION MATERIAL	UNIT NO.	MATERIAL CURRENTLY STORED: FOR OFFICE USE (DOT #)	MATERIAL CURRENTLY STORED: TECHNICAL NAME OF CONTENTS	DESIGN CAPACITY (GALLONS)	INSTALLATION DATE	LAST TEST OR INSPECTION DATE	STATUS	INTERNAL PROTECTION	EXTERNAL PROTECTION	PIPING CONSTRUCTION	METHOD OF TANK FILL	LEAK DETECTION	SECONDARY CONTAINMENT	METHOD OF PRODUCT TRANSFER	UL NUMBER OR ACCEPTABLE EQUIVALENT
C	B*	2		DMAC	2400	PRIOR TO 1985		A	8*	3*	8*	1	8	4	2	
C	B	3		DMAC	50	PRIOR TO 1985		A	8	3	8	3	8	4	2	
B	B	4		H_2O, DMAC & IPA	500	PRIOR TO 1985		A	8	3	8	1	8	4	2	
C	B	5		DMAC, PVDF & IPA	220	1993		A	8	3	8	1	8	4	2	
C	B	6		DMAC, PVDF & IPA	200	PRIOR TO 1985		A	8	3	8	1	8	4	2	
C	B	7		DMAC, H_2O & IPA	780	PRIOR TO 1985		A	8	3	8	1	8	4	2	
C	B	8		H_2O, DMAC & IPA	780	PRIOR TO 1985		A	8	3	8	1	8	4	2	
C	B	9		H_2O, DMAC & IPA	780	PRIOR TO 1985		A	8	3	8	1	8	4	2	
C	B	10		DMAC, PVDF & IPA	~~220~~	1993		A	8	3	8	1	8	4	2	
C	B	11		DMAC	200	PRIOR TO 1985		A	8	3	8	1	8	4	2	

*SS-304 ¶TANKS ARE ATMOSPHERIC TANKS (ie: LESS THAN .5psi)

13. 12/92

Thomas S. Gulotta
County Executive

David M. Barlow
Fire Marshal

OFFICE OF THE FIRE MARSHAL
COUNTY OF NASSAU
Tank Registration Application
Storage Identification and Information

Date Application Received	FM Key#
Reviewed By	Date Reviewed
New ☐ Renewal ☐ Modify ☐	
Date Entered In Computer	Tank Registration Issued
Registration Number	Expiration Date

Facility Name: PALL CORP.

Facility Address: 30 SEA CLIFF AVE., GLEN COVE, N.Y. 11542

ACTION	UNIT TYPE	CONSTRUCTION MATERIAL	UNIT NO.	MATERIAL CURRENTLY STORED: FOR OFFICE USE: DOT #	MATERIAL CURRENTLY STORED: TECHNICAL NAME OF CONTENTS	DESIGN CAPACITY (GALLONS)	INSTALLATION DATE	LAST TEST OR INSPECTION DATE ¶	STATUS	INTERNAL PROTECTION	EXTERNAL PROTECTION	PIPING CONSTRUCTION	METHOD OF TANK FILL	LEAK DETECTION	SECONDARY CONTAINMENT	METHOD OF PRODUCT TRANSFER	UL NUMBER OR ACCEPTABLE EQUIVALENT
3	B	B	12		DMAC, H2O & IPA	525	PRIOR TO 1985		A	B	3	B*	1	B	4	2	

¶ TANKS ARE ATMOSPHERIC TANKS
(ie: LESS THAN .5 psi)

APPENDIX B

RADIOCHEMISTRY LAB CLOSURE CERTIFICATION DOCUMENTS

STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
Radiological Health Unit
Building #12, Room 457
State Office Building Campus
Albany, NY 12240

September 9, 1996

Richard Manteuffel, Ph.D.
Pall Corporation
30 Sea Cliff Avenue
Glen Cove, NY 11542

License : 2198-2951
Reference: 3
Amendment: 2
DL 94-249, 95-076

Dear Dr. Manteuffel:

Pursuant to your request dated August 30, 1996, enclosed is Amendment number 2 to license number 2198-2951 terminating this license. The close-out survey submitted with your request indicates that no radioactive contamination is present in the former use areas. These areas may, therefore, be released for unrestricted use.

If you have any questions please do not hesitate to contact this office.

Sincerely,

Clayton J. Bradt
Assoc. Radiophysicist

enc: Termination Amendment

cc: Hyman Katz, Ph.D., Vice President - w/o enclosures

STATE OF NEW YORK · DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

RADIOACTIVE MATERIALS LICENSE AMENDMENT

DL 94-249, 95-076

PURSUANT TO THE LABOR LAW AND INDUSTRIAL CODE RULE 38, AND IN RELIANCE ON STATEMENTS AND REPRESENTATIONS HERETOFORE MADE BY THE LICENSEE DESIGNATED BELOW. A LICENSE IS HEREBY ISSUED AUTHORIZING SUCH LICENSEE TO RECEIVE, POSSESS, USE AND TRANSFER RADIOACTIVE MATERIAL(S) DESIGNATED BELOW; AND TO USE SUCH RADIOACTIVE MATERIAL(S) FOR THE PURPOSE(S) AND AT THE PLACE(S) DESIGNATED BELOW. THIS LICENSE IS SUBJECT TO ALL APPLICABLE RULES, REGULATIONS, AND ORDERS NOW OR HEREAFTER IN EFFECT OF ALL APPROPRIATE REGULATORY AGENCIES AND TO ANY CONDITIONS SPECIFIED BELOW.

1. NAME OF LICENSEE	3. LICENSE NUMBER
PALL CORPORATION PHONE:(516)671-4000	2198-2951
	4. EXPIRATION DATE: AUGUST 31, 1994
2. ADDRESS OF LICENSEE: 30 SEA CLIFF AVENUE, GLEN COVE, NEW YORK 11542	5a. REFERENCE No. 3 / b. AMENDMENT No. 2

The above license is hereby terminated.

Denis J. Peterson, Deputy Commissioner
For: THE COMMISSIONER OF LABOR

Rita Aldrich

DATE: September 5, 1996
CJB:wp

By: Rita Aldrich
Principal Radiophysicist

APPENDIX C

LABORATORY ANALYTICAL REPORTS

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

ENVIRO-SCIENCES
312 EAST MAIN STREET
PATCHOGUE, NY 11772
Attn To : DANIEL SMITH

Lab No. : 0202308-001A

Client ID. : TANK #1 H2O

Sample Information...
Type : Waste Water

Origin:

Collected 2/12/02 8:45:00 AM
Received 2/12/02 2:45:00 PM
Collected By : CLIENT
Copies To : DANIEL SMITH

Parameter(s)	Results	Units	Method Number	Analyzed
Ignitability	>60	°C	SW1010	2/12/02
Chloromethane	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
Vinyl chloride	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
Bromomethane	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
Chloroethane	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
Trichlorofluoromethane	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
1,1-Dichloroethene	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
Methylene chloride	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
trans-1,2-Dichloroethene	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
1,1-Dichloroethane	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
Chloroform	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
1,1,1-Trichloroethane	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
1,2-Dichloroethane	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
Carbon tetrachloride	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
Benzene	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
Trichloroethene	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
1,2-Dichloropropane	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
Bromodichloromethane	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
2-Chloroethylvinyl ether	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
cis-1,3-Dichloropropene	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
Toluene	4.0	µg/L	E624	2/12/02 11:51:00 PM
trans-1,3-Dichloropropene	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
1,1,2-Trichloroethane	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
Tetrachloroethene	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
Dibromochloromethane	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
Chlorobenzene	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
Ethylbenzene	1.8	µg/L	E624	2/12/02 11:51:00 PM
Bromoform	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
1,3-Dichlorobenzene	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
1,4-Dichlorobenzene	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
1,2-Dichlorobenzene	< 1.0	µg/L	E624	2/12/02 11:51:00 PM
pH	7.7	pH units	E150.1	2/12/02 5:00:00 PM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

Joann M. Slavin

Date Reported : 2/14/02

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

ENVIRO-SCIENCES
312 EAST MAIN STREET
PATCHOGUE, NY 11772
Attn To : DANIEL SMITH

Lab No. : 0202308-002A

Client ID. : TR-PP-RS3

Sample Information...
Type : Waste Water

Origin:

Collected 2/12/02 9:45:00 AM
Received 2/12/02 2:45:00 PM
Collected By : CLIENT
Copies To : DANIEL SMITH

Parameter(s)	Results	Units	Method Number	Analyzed
Ignitability	>60	°C	SW1010	2/12/02
Chloromethane	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
Vinyl chloride	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
Bromomethane	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
Chloroethane	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
Trichlorofluoromethane	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
1,1-Dichloroethene	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
Methylene chloride	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
trans-1,2-Dichloroethene	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
1,1-Dichloroethane	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
Chloroform	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
1,1,1-Trichloroethane	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
1,2-Dichloroethane	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
Carbon tetrachloride	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
Benzene	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
Trichloroethene	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
1,2-Dichloropropane	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
Bromodichloromethane	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
2-Chloroethylvinyl ether	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
cis-1,3-Dichloropropene	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
Toluene	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
trans-1,3-Dichloropropene	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
1,1,2-Trichloroethane	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
Tetrachloroethene	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
Dibromochloromethane	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
Chlorobenzene	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
Ethylbenzene	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
Bromoform	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
1,3-Dichlorobenzene	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
1,4-Dichlorobenzene	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
1,2-Dichlorobenzene	< 1.0	µg/L	E624	2/13/02 12:20:00 AM
pH	5.7	pH units	E150.1	2/12/02 5:01:00 PM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

Joann M. Slavin

Date Reported : 2/14/02

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

ENVIRO-SCIENCES
312 EAST MAIN STREET
PATCHOGUE, NY 11772
Attn To : DANIEL SMITH

Lab No. : 0202308-003A

Client ID. : TR-TANK #1

Sample Information...
Type : Waste Water

Origin:

Collected 2/12/02 10:00:00 AM
Received 2/12/02 2:45:00 PM
Collected By : CLIENT
Copies To : DANIEL SMITH

Parameter(s)	Results	Units	Method Number	Analyzed
Ignitability	>60	°C	SW1010	2/12/02
Chloromethane	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
Vinyl chloride	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
Bromomethane	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
Chloroethane	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
Trichlorofluoromethane	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
1,1-Dichloroethene	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
Methylene chloride	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
trans-1,2-Dichloroethene	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
1,1-Dichloroethane	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
Chloroform	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
1,1,1-Trichloroethane	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
1,2-Dichloroethane	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
Carbon tetrachloride	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
Benzene	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
Trichloroethene	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
1,2-Dichloropropane	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
Bromodichloromethane	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
2-Chloroethylvinyl ether	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
cis-1,3-Dichloropropene	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
Toluene	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
trans-1,3-Dichloropropene	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
1,1,2-Trichloroethane	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
Tetrachloroethene	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
Dibromochloromethane	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
Chlorobenzene	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
Ethylbenzene	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
Bromoform	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
1,3-Dichlorobenzene	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
1,4-Dichlorobenzene	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
1,2-Dichlorobenzene	< 1.0	µg/L	E624	2/13/02 12:49:00 AM
pH	7.2	pH units	E150.1	2/12/02 5:02:00 PM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

Joann M. Slavin

Date Reported : 2/14/02

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

ENVIRO-SCIENCES
312 EAST MAIN STREET
PATCHOGUE, NY 11772
Attn To : DANIEL SMITH

Lab No. : 0202420-001A

Client ID. : DR-RNS-1

Sample Information...
Type : Waste Water

Origin:

Collected 2/14/02 12:45:00 PM
Received 2/14/02 2:45:00 PM
Collected By : CLIENT
Copies To : DANIEL SMITH

Parameter(s)	Results	Units	Method Number	Analyzed
Chloromethane	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
Vinyl chloride	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
Bromomethane	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
Chloroethane	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
Trichlorofluoromethane	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
1,1-Dichloroethene	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
Methyl tert-butyl ether	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
Methylene chloride	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
trans-1,2-Dichloroethene	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
1,1-Dichloroethane	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
Chloroform	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
1,1,1-Trichloroethane	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
1,2-Dichloroethane	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
Carbon tetrachloride	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
Benzene	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
Trichloroethene	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
1,2-Dichloropropane	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
Bromodichloromethane	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
2-Chloroethylvinyl ether	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
cis-1,3-Dichloropropene	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
Toluene	7.4	µg/L	E624	2/15/02 3:33:00 AM
trans-1,3-Dichloropropene	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
1,1,2-Trichloroethane	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
Tetrachloroethene	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
Dibromochloromethane	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
Chlorobenzene	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
Ethylbenzene	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
Bromoform	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
1,3-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
1,4-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 3:33:00 AM
1,2-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 3:33:00 AM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

Joann M. Slavin

Date Reported : 2/15/02

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

ENVIRO-SCIENCES
312 EAST MAIN STREET
PATCHOGUE, NY 11772
Attn To : DANIEL SMITH

Lab No. : **0202420-002A**

Client ID. : DR-RNS-2

Collected 2/14/02 1:00:00 PM
Received 2/14/02 2:45:00 PM
Collected By : CLIENT
Copies To : DANIEL SMITH

Sample Information...
Type : Waste Water

Origin:

Parameter(s)	Results	Units	Method Number	Analyzed
Chloromethane	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
Vinyl chloride	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
Bromomethane	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
Chloroethane	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
Trichlorofluoromethane	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
1,1-Dichloroethene	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
Methyl tert-butyl ether	1.8	µg/L	E624	2/15/02 4:02:00 AM
Methylene chloride	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
trans-1,2-Dichloroethene	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
1,1-Dichloroethane	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
Chloroform	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
1,1,1-Trichloroethane	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
1,2-Dichloroethane	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
Carbon tetrachloride	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
Benzene	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
Trichloroethene	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
1,2-Dichloropropane	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
Bromodichloromethane	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
2-Chloroethylvinyl ether	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
cis-1,3-Dichloropropene	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
Toluene	7.2	µg/L	E624	2/15/02 4:02:00 AM
trans-1,3-Dichloropropene	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
1,1,2-Trichloroethane	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
Tetrachloroethene	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
Dibromochloromethane	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
Chlorobenzene	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
Ethylbenzene	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
Bromoform	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
1,3-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
1,4-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 4:02:00 AM
1,2-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 4:02:00 AM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

Date Reported : 2/15/02

Joann M. Slavin

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

ENVIRO-SCIENCES
312 EAST MAIN STREET
PATCHOGUE, NY 11772
Attn To : DANIEL SMITH

Lab No. : 0202420-003A

Client ID. : DR-RNS-3

Sample Information...
Type : Waste Water

Origin:

Collected 2/14/02 1:15:00 PM
Received 2/14/02 2:45:00 PM
Collected By : CLIENT
Copies To : DANIEL SMITH

Parameter(s)	Results	Units	Method Number	Analyzed
Chloromethane	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
Vinyl chloride	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
Bromomethane	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
Chloroethane	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
Trichlorofluoromethane	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
1,1-Dichloroethene	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
Methyl tert-butyl ether	4.5	µg/L	E624	2/15/02 4:30:00 AM
Methylene chloride	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
trans-1,2-Dichloroethene	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
1,1-Dichloroethane	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
Chloroform	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
1,1,1-Trichloroethane	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
1,2-Dichloroethane	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
Carbon tetrachloride	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
Benzene	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
Trichloroethene	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
1,2-Dichloropropane	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
Bromodichloromethane	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
2-Chloroethylvinyl ether	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
cis-1,3-Dichloropropene	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
Toluene	7.1	µg/L	E624	2/15/02 4:30:00 AM
trans-1,3-Dichloropropene	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
1,1,2-Trichloroethane	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
Tetrachloroethene	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
Dibromochloromethane	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
Chlorobenzene	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
Ethylbenzene	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
Bromoform	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
1,3-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
1,4-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 4:30:00 AM
1,2-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 4:30:00 AM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

Joann M. Slavin

Date Reported : 2/15/02

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

ENVIRO-SCIENCES
312 EAST MAIN STREET
PATCHOGUE, NY 11772
Attn To : DANIEL SMITH

Lab No. : **0202364-001A**

Client ID. : CR-FS-RS1

Collected 2/13/02 1:15:00 PM
Received 2/13/02 4:45:00 PM
Collected By : CLIENT
Copies To : DANIEL SMITH

Sample Information...
Type : Waste Water

Origin:

Parameter(s)	Results	Units	Method Number	Analyzed
Ignitability	>60	°C	SW1010	2/14/02
Chloromethane	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
Vinyl chloride	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
Bromomethane	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
Chloroethane	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
Trichlorofluoromethane	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
1,1-Dichloroethene	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
Methyl tert-butyl ether	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
Methylene chloride	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
trans-1,2-Dichloroethene	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
1,1-Dichloroethane	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
Chloroform	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
1,1,1-Trichloroethane	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
1,2-Dichloroethane	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
Carbon tetrachloride	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
Benzene	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
Trichloroethene	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
1,2-Dichloropropane	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
Bromodichloromethane	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
2-Chloroethylvinyl ether	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
cis-1,3-Dichloropropene	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
Toluene	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
trans-1,3-Dichloropropene	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
1,1,2-Trichloroethane	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
Tetrachloroethene	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
Dibromochloromethane	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
Chlorobenzene	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
Ethylbenzene	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
Bromoform	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
1,3-Dichlorobenzene	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
1,4-Dichlorobenzene	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
1,2-Dichlorobenzene	< 1.0	µg/L	E624	2/14/02 10:52:00 PM
pH	8.0	pH units	E150.1	2/13/02 5:00:00 PM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

Joann M. Slavin

Date Reported : 2/15/02

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

ENVIRO-SCIENCES
312 EAST MAIN STREET
PATCHOGUE, NY 11772
Attn To : DANIEL SMITH

Lab No. : 0202364-002A

Client ID. : CR-FS-RS2

Sample Information...
Type : Waste Water

Origin:

Collected 2/13/02 1:30:00 PM
Received 2/13/02 4:45:00 PM
Collected By : CLIENT
Copies To : DANIEL SMITH

Parameter(s)	Results	Units	Method Number	Analyzed
Ignitability	>60	°C	SW1010	2/14/02
Chloromethane	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
Vinyl chloride	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
Bromomethane	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
Chloroethane	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
Trichlorofluoromethane	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
1,1-Dichloroethene	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
Methyl tert-butyl ether	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
Methylene chloride	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
trans-1,2-Dichloroethene	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
1,1-Dichloroethane	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
Chloroform	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
1,1,1-Trichloroethane	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
1,2-Dichloroethane	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
Carbon tetrachloride	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
Benzene	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
Trichloroethene	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
1,2-Dichloropropane	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
Bromodichloromethane	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
2-Chloroethylvinyl ether	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
cis-1,3-Dichloropropene	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
Toluene	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
trans-1,3-Dichloropropene	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
1,1,2-Trichloroethane	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
Tetrachloroethene	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
Dibromochloromethane	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
Chlorobenzene	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
Ethylbenzene	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
Bromoform	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
1,3-Dichlorobenzene	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
1,4-Dichlorobenzene	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
1,2-Dichlorobenzene	< 1.0	µg/L	E624	2/14/02 11:20:00 PM
pH	6.3	pH units	E150.1	2/13/02 5:01:00 PM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

Joann M. Slavin

Date Reported : 2/15/02

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

ENVIRO-SCIENCES
312 EAST MAIN STREET
PATCHOGUE, NY 11772
Attn To : DANIEL SMITH

Lab No. : 0202364-003A

Client ID. : CR-FS-RS3

Sample Information...
Type : Waste Water

Origin:

Collected 2/13/02 1:45:00 PM
Received 2/13/02 4:45:00 PM
Collected By : CLIENT
Copies To : DANIEL SMITH

Parameter(s)	Results	Units	Method Number	Analyzed
Ignitability	>60	°C	SW1010	2/14/02
Chloromethane	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
Vinyl chloride	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
Bromomethane	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
Chloroethane	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
Trichlorofluoromethane	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
1,1-Dichloroethene	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
Methyl tert-butyl ether	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
Methylene chloride	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
trans-1,2-Dichloroethene	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
1,1-Dichloroethane	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
Chloroform	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
1,1,1-Trichloroethane	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
1,2-Dichloroethane	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
Carbon tetrachloride	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
Benzene	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
Trichloroethene	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
1,2-Dichloropropane	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
Bromodichloromethane	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
2-Chloroethylvinyl ether	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
cis-1,3-Dichloropropene	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
Toluene	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
trans-1,3-Dichloropropene	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
1,1,2-Trichloroethane	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
Tetrachloroethene	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
Dibromochloromethane	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
Chlorobenzene	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
Ethylbenzene	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
Bromoform	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
1,3-Dichlorobenzene	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
1,4-Dichlorobenzene	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
1,2-Dichlorobenzene	< 1.0	µg/L	E624	2/14/02 11:48:00 PM
pH	5.5	pH units	E150.1	2/13/02 5:02:00 PM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

Joann M. Slavin

Date Reported : 2/15/02

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

ENVIRO-SCIENCES
312 EAST MAIN STREET
PATCHOGUE, NY 11772
Attn To : DANIEL SMITH

Lab No. : 0202364-004A

Client ID. : TR-FS-RS1

Sample Information...
Type : Waste Water

Origin:

Collected 2/13/02 2:30:00 PM
Received 2/13/02 4:45:00 PM
Collected By : CLIENT
Copies To : DANIEL SMITH

Parameter(s)	Results	Units	Method Number	Analyzed
Ignitability	>60	°C	SW1010	2/14/02
Chloromethane	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
Vinyl chloride	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
Bromomethane	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
Chloroethane	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
Trichlorofluoromethane	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
1,1-Dichloroethene	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
Methyl tert-butyl ether	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
Methylene chloride	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
trans-1,2-Dichloroethene	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
1,1-Dichloroethane	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
Chloroform	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
1,1,1-Trichloroethane	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
1,2-Dichloroethane	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
Carbon tetrachloride	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
Benzene	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
Trichloroethene	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
1,2-Dichloropropane	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
Bromodichloromethane	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
2-Chloroethylvinyl ether	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
cis-1,3-Dichloropropene	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
Toluene	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
trans-1,3-Dichloropropene	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
1,1,2-Trichloroethane	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
Tetrachloroethene	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
Dibromochloromethane	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
Chlorobenzene	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
Ethylbenzene	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
Bromoform	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
1,3-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
1,4-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
1,2-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 12:16:00 AM
pH	7.3	pH units	E150.1	2/13/02 5:03:00 PM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

Joann M. Slavin

Date Reported : 2/15/02

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

ENVIRO-SCIENCES
312 EAST MAIN STREET
PATCHOGUE, NY 11772
Attn To : DANIEL SMITH

Lab No. : **0202364-005A**

Client ID. : TR-FS-RS2

Collected 2/13/02 2:45:00 PM
Received 2/13/02 4:45:00 PM
Collected By : CLIENT
Copies To : DANIEL SMITH

Sample Information...
Type : Waste Water

Origin:

Parameter(s)	Results	Units	Method Number	Analyzed
Ignitability	>60	°C	SW1010	2/14/02
Chloromethane	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
Vinyl chloride	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
Bromomethane	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
Chloroethane	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
Trichlorofluoromethane	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
1,1-Dichloroethene	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
Methyl tert-butyl ether	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
Methylene chloride	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
trans-1,2-Dichloroethene	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
1,1-Dichloroethane	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
Chloroform	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
1,1,1-Trichloroethane	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
1,2-Dichloroethane	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
Carbon tetrachloride	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
Benzene	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
Trichloroethene	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
1,2-Dichloropropane	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
Bromodichloromethane	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
2-Chloroethylvinyl ether	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
cis-1,3-Dichloropropene	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
Toluene	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
trans-1,3-Dichloropropene	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
1,1,2-Trichloroethane	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
Tetrachloroethene	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
Dibromochloromethane	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
Chlorobenzene	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
Ethylbenzene	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
Bromoform	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
1,3-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
1,4-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
1,2-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 12:44:00 AM
pH	7.5	pH units	E150.1	2/13/02 5:04:00 PM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

Joann M. Slavin

Date Reported : 2/15/02

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

ENVIRO-SCIENCES
312 EAST MAIN STREET
PATCHOGUE, NY 11772
Attn To : DANIEL SMITH

Lab No. : **0202364-006A**

Client ID. : WS-TR-RS1

Sample Information...
Type : Waste Water

Origin:

Collected 2/13/02 3:15:00 PM
Received 2/13/02 4:45:00 PM
Collected By : CLIENT
Copies To : DANIEL SMITH

Parameter(s)	Results	Units	Method Number	Analyzed
Ignitability	>60	°C	SW1010	2/14/02
Chloromethane	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
Vinyl chloride	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
Bromomethane	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
Chloroethane	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
Trichlorofluoromethane	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
1,1-Dichloroethene	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
Methyl tert-butyl ether	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
Methylene chloride	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
trans-1,2-Dichloroethene	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
1,1-Dichloroethane	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
Chloroform	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
1,1,1-Trichloroethane	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
1,2-Dichloroethane	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
Carbon tetrachloride	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
Benzene	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
Trichloroethene	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
1,2-Dichloropropane	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
Bromodichloromethane	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
2-Chloroethylvinyl ether	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
cis-1,3-Dichloropropene	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
Toluene	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
trans-1,3-Dichloropropene	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
1,1,2-Trichloroethane	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
Tetrachloroethene	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
Dibromochloromethane	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
Chlorobenzene	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
Ethylbenzene	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
Bromoform	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
1,3-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
1,4-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
1,2-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 1:12:00 AM
pH	7.4	pH units	E150.1	2/13/02 5:05:00 PM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

Joann M. Slavin

Date Reported : 2/15/02

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

ENVIRO-SCIENCES
312 EAST MAIN STREET
PATCHOGUE, NY 11772
Attn To : DANIEL SMITH

Lab No. : 0202364-007A

Client ID. : WS-TR-RS2

Sample Information...
Type : Waste Water

Origin:

Collected 2/13/02 3:30:00 PM
Received 2/13/02 4:45:00 PM
Collected By : CLIENT
Copies To : DANIEL SMITH

Parameter(s)	Results	Units	Method Number	Analyzed
Ignitability	>60	°C	SW1010	2/14/02
Chloromethane	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
Vinyl chloride	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
Bromomethane	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
Chloroethane	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
Trichlorofluoromethane	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
1,1-Dichloroethene	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
Methyl tert-butyl ether	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
Methylene chloride	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
trans-1,2-Dichloroethene	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
1,1-Dichloroethane	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
Chloroform	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
1,1,1-Trichloroethane	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
1,2-Dichloroethane	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
Carbon tetrachloride	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
Benzene	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
Trichloroethene	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
1,2-Dichloropropane	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
Bromodichloromethane	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
2-Chloroethylvinyl ether	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
cis-1,3-Dichloropropene	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
Toluene	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
trans-1,3-Dichloropropene	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
1,1,2-Trichloroethane	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
Tetrachloroethene	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
Dibromochloromethane	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
Chlorobenzene	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
Ethylbenzene	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
Bromoform	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
1,3-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
1,4-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
1,2-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 1:41:00 AM
pH	7.5	pH units	E150.1	2/13/02 5:06:00 PM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

Joann M. Slavin

Date Reported : 2/15/02

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

ENVIRO-SCIENCES
312 EAST MAIN STREET
PATCHOGUE, NY 11772
Attn To : DANIEL SMITH

Lab No. : **0202364-008A**

Client ID. : WS-TR-RS3

Sample Information...
Type : Waste Water

Origin:

Collected 2/13/02 3:45:00 PM
Received 2/13/02 4:45:00 PM
Collected By : CLIENT
Copies To : DANIEL SMITH

Parameter(s)	Results	Units	Method Number	Analyzed
Ignitability	>60	°C	SW1010	2/14/02
Chloromethane	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
Vinyl chloride	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
Bromomethane	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
Chloroethane	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
Trichlorofluoromethane	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
1,1-Dichloroethene	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
Methyl tert-butyl ether	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
Methylene chloride	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
trans-1,2-Dichloroethene	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
1,1-Dichloroethane	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
Chloroform	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
1,1,1-Trichloroethane	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
1,2-Dichloroethane	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
Carbon tetrachloride	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
Benzene	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
Trichloroethene	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
1,2-Dichloropropane	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
Bromodichloromethane	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
2-Chloroethylvinyl ether	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
cis-1,3-Dichloropropene	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
Toluene	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
trans-1,3-Dichloropropene	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
1,1,2-Trichloroethane	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
Tetrachloroethene	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
Dibromochloromethane	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
Chlorobenzene	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
Ethylbenzene	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
Bromoform	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
1,3-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
1,4-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
1,2-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 2:09:00 AM
pH	7.4	pH units	E150.1	2/13/02 5:07:00 PM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

Joann M. Slavin

Date Reported : 2/15/02

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

ENVIRO-SCIENCES
312 EAST MAIN STREET
PATCHOGUE, NY 11772
Attn To : DANIEL SMITH

Lab No. : **0202364-009A**

Client ID. : WS-TR-RS4

Sample Information...
Type : Waste Water

Origin:

Collected 2/13/02 4:00:00 PM
Received 2/13/02 4:45:00 PM
Collected By : CLIENT
Copies To : DANIEL SMITH

Parameter(s)	Results	Units	Method Number	Analyzed
Ignitability	>60	°C	SW1010	2/14/02
Chloromethane	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
Vinyl chloride	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
Bromomethane	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
Chloroethane	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
Trichlorofluoromethane	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
1,1-Dichloroethene	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
Methyl tert-butyl ether	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
Methylene chloride	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
trans-1,2-Dichloroethene	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
1,1-Dichloroethane	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
Chloroform	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
1,1,1-Trichloroethane	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
1,2-Dichloroethane	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
Carbon tetrachloride	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
Benzene	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
Trichloroethene	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
1,2-Dichloropropane	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
Bromodichloromethane	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
2-Chloroethylvinyl ether	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
cis-1,3-Dichloropropene	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
Toluene	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
trans-1,3-Dichloropropene	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
1,1,2-Trichloroethane	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
Tetrachloroethene	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
Dibromochloromethane	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
Chlorobenzene	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
Ethylbenzene	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
Bromoform	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
1,3-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
1,4-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
1,2-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 2:37:00 AM
pH	7.4	pH units	E150.1	2/13/02 5:08:00 PM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

Joann M. Slavin

Date Reported : 2/15/02

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

ENVIRO-SCIENCES
312 EAST MAIN STREET
PATCHOGUE, NY 11772
Attn To : DANIEL SMITH

Lab No. : 0202364-010A

Client ID. : WS-TR-RS5

Sample Information...
Type : Waste Water

Origin:

Collected 2/13/02 4:15:00 PM
Received 2/13/02 4:45:00 PM
Collected By : CLIENT
Copies To : DANIEL SMITH

Parameter(s)	Results	Units	Method Number	Analyzed
Ignitability	>60	°C	SW1010	2/14/02
Chloromethane	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
Vinyl chloride	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
Bromomethane	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
Chloroethane	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
Trichlorofluoromethane	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
1,1-Dichloroethene	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
Methyl tert-butyl ether	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
Methylene chloride	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
trans-1,2-Dichloroethene	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
1,1-Dichloroethane	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
Chloroform	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
1,1,1-Trichloroethane	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
1,2-Dichloroethane	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
Carbon tetrachloride	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
Benzene	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
Trichloroethene	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
1,2-Dichloropropane	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
Bromodichloromethane	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
2-Chloroethylvinyl ether	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
cis-1,3-Dichloropropene	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
Toluene	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
trans-1,3-Dichloropropene	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
1,1,2-Trichloroethane	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
Tetrachloroethene	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
Dibromochloromethane	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
Chlorobenzene	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
Ethylbenzene	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
Bromoform	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
1,3-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
1,4-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
1,2-Dichlorobenzene	< 1.0	µg/L	E624	2/15/02 3:05:00 AM
pH	7.5	pH units	E150.1	2/13/02 5:09:00 PM

Joann M. Slavin

Qualifiers: E - Value above quantitation range
D - Results for Dilution

Date Reported : 2/15/02

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

ENVIRO-SCIENCES
312 EAST MAIN STREET
PATCHOGUE, NY 11772
Attn To : DANIEL SMITH

Lab No. : **0202427-001A**

Client ID. : **WS-SS1**

Sample Information...
Type : Soil

Origin:

Collected 2/14/02 9:15:00 AM
Received 2/14/02 2:45:00 PM
Collected By : CLIENT
Copies To : DANIEL SMITH

Parameter(s)	Results	Units	Method Number	Analyzed
Chloromethane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
Bromomethane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
Vinyl chloride	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
Chloroethane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
Methylene chloride	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
Acetone	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
1,1-Dichloroethene	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
Carbon disulfide	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
1,1-Dichloroethane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
1,2-Dichloroethene (total)	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
Chloroform	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
1,2-Dichloroethane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
2-Butanone	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
1,1,1-Trichloroethane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
Carbon tetrachloride	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
Bromodichloromethane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
1,2-Dichloropropane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
cis-1,3-Dichloropropene	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
Trichloroethene	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
Dibromochloromethane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
1,1,2-Trichloroethane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
Benzene	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
trans-1,3-Dichloropropene	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
Bromoform	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
4-Methyl-2-pentanone	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
2-Hexanone	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
Tetrachloroethene	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
1,1,2,2-Tetrachloroethane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
Toluene	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
Chlorobenzene	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
Ethylbenzene	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
Styrene	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
Xylene (total)	< 11	µg/Kg-dry	SW8260B	2/28/02 5:03:00 PM
Percent Moisture	5.9	wt%	D2216	2/20/02 7:06:00 PM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

Joann M. Slavin
Lab Manager

Date Reported : 3/4/02

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

ENVIRO-SCIENCES
312 EAST MAIN STREET
PATCHOGUE, NY 11772
Attn To : DANIEL SMITH

Lab No. : 0202427-002A

Client ID. : WS-SS2

Sample Information...
Type : Soil

Origin:

Collected 2/14/02 9:30:00 AM
Received 2/14/02 2:45:00 PM
Collected By : CLIENT
Copies To : DANIEL SMITH

Parameter(s)	Results	Units	Method Number	Analyzed
Chloromethane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
Bromomethane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
Vinyl chloride	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
Chloroethane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
Methylene chloride	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
Acetone	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
1,1-Dichloroethene	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
Carbon disulfide	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
1,1-Dichloroethane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
1,2-Dichloroethene (total)	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
Chloroform	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
1,2-Dichloroethane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
2-Butanone	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
1,1,1-Trichloroethane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
Carbon tetrachloride	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
Bromodichloromethane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
1,2-Dichloropropane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
cis-1,3-Dichloropropene	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
Trichloroethene	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
Dibromochloromethane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
1,1,2-Trichloroethane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
Benzene	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
trans-1,3-Dichloropropene	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
Bromoform	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
4-Methyl-2-pentanone	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
2-Hexanone	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
Tetrachloroethene	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
1,1,2,2-Tetrachloroethane	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
Toluene	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
Chlorobenzene	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
Ethylbenzene	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
Styrene	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
Xylene (total)	< 11	µg/Kg-dry	SW8260B	2/28/02 5:33:00 PM
Percent Moisture	7.2	wt%	D2216	2/20/02 7:07:00 PM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

Date Reported : 3/4/02

Joann M. Slavin
Lab Manager

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

ENVIRO-SCIENCES
312 EAST MAIN STREET
PATCHOGUE, NY 11772
Attn To : DANIEL SMITH

Lab No. : 0202427-003A

Client ID. : WS-SS3

Sample Information...
Type : Soil

Origin:

Collected 2/14/02 10:15:00 AM
Received 2/14/02 2:45:00 PM
Collected By : CLIENT
Copies To : DANIEL SMITH

Parameter(s)	Results	Units	Method Number	Analyzed
Chloromethane	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
Bromomethane	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
Vinyl chloride	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
Chloroethane	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
Methylene chloride	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
Acetone	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
1,1-Dichloroethene	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
Carbon disulfide	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
1,1-Dichloroethane	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
1,2-Dichloroethene (total)	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
Chloroform	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
1,2-Dichloroethane	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
2-Butanone	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
1,1,1-Trichloroethane	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
Carbon tetrachloride	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
Bromodichloromethane	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
1,2-Dichloropropane	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
cis-1,3-Dichloropropene	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
Trichloroethene	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
Dibromochloromethane	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
1,1,2-Trichloroethane	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
Benzene	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
trans-1,3-Dichloropropene	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
Bromoform	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
4-Methyl-2-pentanone	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
2-Hexanone	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
Tetrachloroethene	180	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
1,1,2,2-Tetrachloroethane	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
Toluene	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
Chlorobenzene	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
Ethylbenzene	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
Styrene	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
Xylene (total)	< 56	µg/Kg-dry	SW8260B	2/28/02 6:03:00 PM
Percent Moisture	11.1	wt%	D2216	2/20/02 7:08:00 PM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

Joann M. Slavin
Lab Manager

Date Reported : 3/4/02

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

ENVIRO-SCIENCES
312 EAST MAIN STREET
PATCHOGUE, NY 11772
Attn To : DANIEL SMITH

Lab No. : **0202427-004A**

Client ID. : WS-SS4

Sample Information...
Type : Soil

Origin:

Collected 2/14/02 11:00:00 AM
Received 2/14/02 2:45:00 PM
Collected By : CLIENT
Copies To : DANIEL SMITH

Parameter(s)	Results	Units	Method Number	Analyzed
Chloromethane	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
Bromomethane	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
Vinyl chloride	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
Chloroethane	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
Methylene chloride	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
Acetone	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
1,1-Dichloroethene	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
Carbon disulfide	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
1,1-Dichloroethane	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
1,2-Dichloroethene (total)	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
Chloroform	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
1,2-Dichloroethane	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
2-Butanone	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
1,1,1-Trichloroethane	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
Carbon tetrachloride	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
Bromodichloromethane	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
1,2-Dichloropropane	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
cis-1,3-Dichloropropene	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
Trichloroethene	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
Dibromochloromethane	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
1,1,2-Trichloroethane	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
Benzene	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
trans-1,3-Dichloropropene	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
Bromoform	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
4-Methyl-2-pentanone	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
2-Hexanone	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
Tetrachloroethene	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
1,1,2,2-Tetrachloroethane	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
Toluene	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
Chlorobenzene	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
Ethylbenzene	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
Styrene	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
Xylene (total)	< 53	µg/Kg-dry	SW8260B	2/28/02 6:33:00 PM
Percent Moisture	5.8	wt%	D2216	2/20/02 7:09:00 PM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

Joann M. Slavin
Lab Manager

Date Reported : 3/4/02

APPENDIX D

WASTE DISPOSAL MANIFESTS

CV/CC CleanVenture/CycleChem

CVCC 039606

The Environmental Services Source

NON-HAZARDOUS SOLID WASTE

BILL OF LADING

NYD002054419 1

Generator's Name and Mailing Address: ~~PALL CORPORATION~~
30 SEA CLIFF AVENUE
GLEN COVE, NY 115420000
Generator's Phone (516) 484-5400

BOL 023722A
SAME

Transporter 1 Company Name: CLEAN VENTURE, INC. NJ0000027193
State Trans. ID-NJDEPE SS811
Decal No.- 081948
Transporter's Phone (908) 355-5800

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

Designated Facility Name and Site Address: CYCLE CHEM INC, 217 SOUTH FIRST ST, ELIZABETH, NJ 07206
US EPA ID Number: NJD002200046
Facility's Phone (908) 355-5800

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol	Waste No.
a.	rinse water ~~NON DOT NO NRCRA (ID72)~~	XA	T	T2437	G	~~ID72~~
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
L rinse water 100% trace voc (<10ppm)

502

b. ~~24 HR EMERG. RESPONSE (908) 354-0210 CLEAN VENTURE, INC~~ ~~41451/ 1/23722~~

CC Generator's and Product Codes.
T22 411565 M
A) 50 ~~REM002~~

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

W. D. BENZINGER PLACARDS REQUIRED — PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER

Printed/Typed Name | Signature W. D. Benzinger | Month Day Year 5 29 02

Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name Peter DAgata | Signature [signature] | Month Day Year 5 29 02

Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

Jal Rinse Water with trace VOC (<10 ppm)

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest.
Printed/Typed Name [illegible] | Signature Dele Ellis | Month Day Year 05 30 02

CVCC CleanVenture/CycleChem

CVCC 041068

NON-HAZARDOUS SOLID WASTE

The Environmental Services Source

BILL OF LADING

Generator's Name and Mailing Address PALL CORPORATION
30 SEA CLIFF AVENUE
GLEN COVE, NY 115420000
Generator's Phone (516) 484-5400

BOL

SAME

Transporter 1 Company Name
CLEAN VENTURE INC.

State Trans. ID-NJDEPE s5811
Decal No.- 08647
Transporter's Phone (908-355-5800

Transporter 2 Company Name

State Trans. ID-NJDEPE
Decal No.-
Transporter's Phone ( )

Designated Facility Name and Site Address
CYCLE CHEM INC
217 SOUTH FIRST ST
ELIZABETH, NJ 07206

US EPA ID Number NJD002200046

Facility's Phone (908)355-5800

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol	Waste No.
a.	DEBRIS NON DOT NON RCRA XXXXXX	004	D M	220	G	X910
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above

a. S PROFILE 037268 attached

b.

c.

d.

NY=B

24 HR EMERG RESPONSE (908) 354-0210 CLEAN VENTURE, INC 41431/-1/24529

A) 49-WB1

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

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO- FURNISHED BY CARRIER

Printed/Typed Name	Signature	Month Day Year
W. D. BENZINGER	M. D. Benzinger	06 26 02

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
YORGE ALFARO	[signature]	06 26 02

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

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

Printed/Typed Name	Signature	Month Day Year

CycleChem

Recycling Treatment & Disposal of Hazardous Wastes

June 21,2002

PALL CORPORATION
2200 NORTHERN BLVD
EAST HILLS, NY 11548

Re: Hazardous Waste Disposal/Pricing
PALL CORPORATION
30 SEA CLIFF AVENUE
GLEN COVE, NY 11542

Generator-41431

Dear Bill Benzinger

Cycle Chem is pleased to advise you that the following waste stream(s) submitted for review have been approved:

Sq49 Product-WB1

DEBRIS W/WATER

Price is:	$115.00 per 55 Gal. Metal Drum
Terms of Price:	NON-RCRA;PH 4-10; FP>140F; HEAT OF DILUTION <10 F; DRY, DUMPABLE SOLIDS ONLY-NO SLUDGES OR FREE LIQUIDS
Shipping Name:	DEBRIS
Class: NON DOT	ID No. NON RCRA RQ.
State Codes:	S State Haz. No
USEPA Haz Codes:	X910 DOT Haz. No
Ultimate Treatment:	incineration

Transportation Rates:

All waste shipments subject to $40 lab fee and 5% NJ DEPE surcharge.

Additional Services Optional:
-Manifest Preparation @ $25 per manifest.
-Drum Labeling @ $5 per label.

This quote shall be deemed made in the State of New Jersey and shall be interpreted under the laws of said State and the customer recognizes and consents to the jurisdiction over him/her/it of the courts of the State of New Jersey. This quote supersedes all prior communication and contains the entire agreement between the parties including all expressed or implied warranties. No alterations or modifications of the quote shall be valid unless in writing and signed by both parties to this quote.

Acceptance of Proposal - I have received and agree to the CCI terms and conditions. The rates, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined.

Signature:_____ Date of Acceptance:_____

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

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

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

Massachusetts TSDF:
General Chemical
133-138 Leland Street
Framingham, MA 01702
508-872-5000
FAX: 508-875-5271
www.generalchemical.com

www.cyclechem.com

LM 6/24 2:30