Debris Removal Completion Report
Claremont Polychemical Superfund Site

Prepared for:

United States Army Corps of Engineers
Kansas City District

Old Bethpage, NY
December 2003

Prepared by:

Science Applications International Corporation
Harrisburg, PA

SAIC
An Employee-Owned Company

FINAL

DEBRIS REMOVAL COMPLETION REPORT CLAREMONT POLYCHEMICAL SUPERFUND SITE

OLD BETHPAGE, NEW YORK

December 2003

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Science Applications International Corporation
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Executive Summary

The Claremont Polychemical Superfund site is located on Long Island, in Old Bethpage, Nassau County, New York. There was an area approximately 300 ft by 300 ft located north of the groundwater treatment facility (GWTF) covered with multiple piles of various soils and debris, consisting primarily of concrete and related construction and demolition waste. The debris pile was overgrown with brush and small trees. The U.S. Environmental Protection Agency (EPA) considered these materials to represent incidental debris and not of site origin. The primary objective of this debris removal project was to remove or process these materials for improvement of this portion of the site.

SAIC completed 19 test pits and collected samples to characterize the debris pile. Based on the sampling results, one 50 by 50 foot area was designated as containing asbestos. The asbestos concentrations were below regulatory levels and did not require special disposal. Appropriate measures to protect worker health and safety were taken when debris removal activities occurred in this area.

One test pit, located in the northeast corner of the pile, contained a cadmium concentration in exceedence of the EPA toxicity characteristic criteria limit. Additional sampling delineated an area of hazardous waste approximately 36 feet north to south and 24 feet west to east. A total of 454 tons of hazardous soil and 128 tons of hazardous debris were removed from this area, transported off-site, and stabilized or microencapsulated prior to placement in a secure hazardous waste landfill cell.

Non-hazardous materials recovered from the debris pile were segregated into three categories: (1) concrete greater than six inches, (2) debris greater than six inches, and (3) fines (all material less than six inches). Segregated materials were either directly loaded into roll offs or stockpiled. A total of 423 tons of debris including trees, wood, and construction and demolition debris, were removed from the site for recycling or disposal. A total of 6,992 tons of concrete and 152 tons of steel were recycled. Thirty tons of municipal waste were disposed of, and tires and auto batteries were recycled. A total of 19,303 cubic yards of fines were returned to the location of the former debris pile. All disturbed areas were graded, covered with topsoil, and vegetated.

In addition, SAIC sampled and closed the storm water pits located to the west of the Claremont Process Building to protect humans and animals from potential physical hazards associated with these structures. After sampling, the water in the storm water pits was pumped to and treated by the GWTF. Most of the sediments in the bottom of the pits were placed in 55-gallon drums and are currently being processed for

off-site disposal. Portland cement was mixed with the remaining sediment in the pits for physical and chemical stabilization. The sides of the pits were broken down to below grade, and then the pits were filled with clean fill.

Three unused groundwater wells were evaluated for possible abandonment to eliminate any risk to the subsurface aquifer posed by connection through these wells to the ground surface. Well RW-01 was sampled and subsequently abandoned. SAIC completed a borehole geophysical investigation of the deep well, formerly used as a production well for Claremont Polychemical. Based on the geophysical investigation, it was decided that the deep well would not be abandoned. Efforts to locate the third well were discontinued when it was determined that the well is located beneath the parking lot of the adjacent property.

1.0 Introduction

The Claremont Polychemical Superfund site is located on Long Island, in Old Bethpage, Nassau County, New York. Current site activities include collection and analysis of groundwater treatment process water and groundwater samples as part of the operation and maintenance (O&M) of an on-site groundwater treatment facility (GWTF) being operated in accordance with Superfund (CERCLA) regulations. This report describes activities—not related to operation of the GWTF—that included removal of incidental debris and elimination of specific site facilities that represented potential physical and environmental hazards at the site.

1.1 Project History

From 1968 to 1980, when on-site operations ceased, Claremont Polychemical manufactured inks and pigments for plastics, coated metallic flakes, and vinyl stabilizers in several on-site buildings. The principal wastes generated were organic solvents, resins, and mineral spirits wash wastes. In 1979, the state identified improper storage practices on-site, including stockpiles of over 2,000 uncovered or leaking drums of wastes and an on-site spill area. Organic solvents from several on-site spills and discharge incidents may have contaminated on-site soil and groundwater. By 1980, most of the on-site drums were sorted and removed off-site, reused, or burned on-site. Subsequently, contaminated soil was excavated and placed on a plastic liner, which degraded over time.

Groundwater investigations in 1980 revealed groundwater contamination directly under the site. The remedy identified in the Record of Decision for addressing groundwater contamination near the site included groundwater capture via extraction wells and treatment of the groundwater using air stripping in association with carbon adsorption to control off-gasses, followed by on-site re-injection of the treated groundwater back into the aquifer. Operation of the existing GWTF began in February 2000. The GWTF was operated by URS Corporation from February 2000 through March 24, 2002. Science Applications International Corporation (SAIC) assumed responsibility for operations and maintenance of the GWTF on March 25, 2002, and has been operating the system since that date.

1.2 Purpose of this Report

As shown in Figure 1, there was an area approximately 300 ft by 300 ft located north of the GWTF covered with multiple piles of various soils and debris. The debris pile was overgrown with brush and small trees. The U.S. Environmental Protection Agency (EPA) considered these materials to represent incidental debris and not of site origin. The presence of these materials was a hindrance to good site

maintenance and rendered portions of the site unusable. The primary objective of this debris removal project was to remove or process these materials for improvement of this portion of the site. SAIC sampled the debris pile to characterize the materials, and completed the removal and off-site disposal of non-hazardous and hazardous wastes.

In addition, SAIC sampled and closed the storm water pits located to the west of the Claremont Process Building (see Figure 1) to remove potential physical hazards to humans or animals associated with these structures, and evaluated and abandoned obsolete wells to eliminate the any risk to the subsurface aquifer posed by connection through these wells to the ground surface.

This *Debris Removal Completion Report* describes all activities associated with the debris pile removal, storm pits closure, and obsolete well evaluation and abandonment. All activities described in this Completion Report were conducted in accordance with SAIC's proposal dated April 24, 2003 (SAIC 2003a), the site Sampling and Analysis Plan (SAP) (SAIC 2003d), the site Safety and Health Plan (SSHP) (SAIC 2003f), and the Technical Specification and related clarifications (Appendix A).

1.3 Project Management

The SAIC Program Manager was responsible for all debris removal activities. A full-time Project Engineer was on-site for all debris removal activities and provided subcontractor oversight. Blue Water Environmental, Inc. was the debris removal subcontractor. The SAIC Site Safety Officer and the Project Engineer provided health and safety oversight.

During debris removal activities, the SAIC Program Manager prepared three detailed Project Status Reports and submitted them to the US Army Corp of Engineers (USACE). These reports are included in Appendix B.

2.0 Sampling and Analysis of the Debris Pile

The debris pile; consisting primarily soil, concrete, wood and other materials associated with construction and demolition activities; was located in an approximately 300 ft by 300 ft area located in the northern portion of the site (Figure 1). The debris pile was irregular in shape and in some locations was 22 feet above grade. The EPA considered the debris to represent incidental disposal and not of site origin and assumed that the debris was uncontaminated. Prior to removal activities, the debris pile was surveyed and sampled to characterize the materials present.

2.1 Site Engineering Survey

A detailed site survey was completed to determine the surface elevations of the debris area and to locate the debris relative to site features. The survey included the overlay of a 50 ft by 50 ft grid across the debris area to provide reference for debris sampling locations (see Figure 2). The survey included the establishment of three reference points established along the eastern boundary of the debris area that were used as benchmarks through the duration of the project. The initial site survey was completed by Nelson, Pope & Voohis, LLC. Subsequent site survey work was completed by AK Associates of Rockville Center, New York.

2.2 Debris Pile Sampling Procedures

The 50 ft by 50 ft overlay grid resulted in 42 possible sample locations as shown on Figure 2. Three of these locations were located outside of the site boundary (0,6; 1,6 and 3,6). The six locations on the easternmost side of the grid (0,0; 1,0; 2,0; 3,0; 4,0 and 5,0) were not considered for sampling because they were located in the earthen driveway and not part of the debris pile. The seven locations on the southernmost side of the grid (5,0; 5,1; 5,2; 5,3; 5,4; 5,5; and 5,6) were at grade and not considered for sampling.

Of the remaining 27 possible sample locations, 19 were selected for sampling based on observable characteristics of the surface and shallow subsurface. At each of the 19 selected locations, a test pit was completed using an excavator until native soil was encountered, or to the extent of the reach of the excavator, which was the case at Test Pit 0,3. The depth of the test pits ranged from 5 to 22 feet. Soil and debris were screened for volatile organic compounds (VOCs) using a photoionization detector (PID). The physical and morphological characteristics of the materials at each test pit were documented using the Unified Soil Classification System (USCS) and dominant colors were identified using the Munsell

color system. The test pit logs are included in Appendix C. General site conditions and debris characteristics were also documented with photographs (Appendix D).

Soil samples were collected from each of the 19 test pits for laboratory analysis in support of waste classification processing. Samples were analyzed by Analytical Laboratory Services, Inc. (ALSI) located in Middletown, Pennsylvania. A grab sample from the soil exhibiting the highest PID readings or having the darkest color in each of the 19 test pits was collected and analyzed for Toxicity Characteristic Leaching Procedure (TCLP) volatile organic compounds (VOCs). A composite sample was collected from each test pit and analyzed for TCLP metals and qualitative asbestos. Three of the 19 composite samples were also analyzed for TCLP semi-volatile organic compounds (SVOCs), TCLP herbicides, and total polychlorinated biphenyls (PCBs). All samples were collected, labeled, documented, packaged and shipped in accordance with the SAP (SAIC 2003d). Quality control (QC) samples including replicates, matrix spike/matrix spike duplicates (MS/MSD) and trip blanks were submitted in accordance with the SAP. The test pits were backfilled after sampling to eliminate the potential for sidewall collapse or other excavation hazards. Copies of the field log book documenting test pit sampling activities are included in Appendix E.

2.3 Debris Pile Sampling Results

The laboratory analytical results for the debris pile sampling are summarized in Table 1. The laboratory reports are included in the *Quality Control Summary Report June through August 2003* (SAIC 2003g). As shown in Table 1, only two samples had contaminant concentrations in exceedence of EPA or state regulatory levels.

The composite sample from Test Pit 1,1 had a cadmium concentration of 11.0 mg/L, which exceeded the regulatory limit of 1.0 mg/L. Test Pit 1,1 was also the only test pit that exhibited volatile organic odors and PID readings. Due to this exceedence, additional test pits and sampling were completed to further delineate the hazardous materials in this location. The additional sampling is discussed in Section 4.0.

The composite sample from Test Pit 1,5 contained chrysotile asbestos based on qualitative analysis. This sample was subsequently analyzed quantitatively. As shown in Table 1, Test Pit 1,5 contained 0.6 percent chrysotile asbestos. SAIC determined that the material removed from this area did not require special disposal because the concentration was below the Toxic Substance Control Act (TSCA) and state regulatory level of 1 percent. However, a 50 ft by 50 ft area centered on Test Pit 1,5 was designated as

containing asbestos (see Figure 2), and appropriate measures to protect worker health and safety were taken when debris removal activities occurred in this area (see Section 3.0).

Based on the results of the test pit sampling, SAIC prepared volume estimates of debris, concrete and fines contained in the debris pile. These estimates were used for planning purposes only. The percentage of fines was determined to be greater, and the percentage of concrete and debris was lower than anticipated. In addition, the thickness of the debris area was approximately 3 to 5 feet thicker than anticipated.

3.0 Debris Trucking and Disposal

Between July 15 and September 16, 2003, SAIC completed the removal and off-site disposal or recycling of the debris located on the site. Concrete greater than six inches, debris greater than six inches, and fines less than six inches were segregated. The disposition of each of these materials is discussed below.

3.1 Engineering Oversight

SAIC subcontracted with Blue Water Environmental, Inc. of Farmingdale, New York to provide excavators, loaders and screens; operators; laborers; transportation of debris; and regrading and revegetation of the site. SAIC provided engineering, and health and safety oversight for all activities. The oversight engineer ensured that all work was performed in strict accordance with the Technical Specification (Appendix A), inspected all debris removed from the site and all materials brought on the site, ensured that all work was performed in accordance with the SAP (SAIC 2003d) and the SSHP (SAIC 2003b), documented all volumes and weights as a basis for payment, provided oversight for survey work, and was SAIC's on-site representative for site communications and visitors. The oversight engineer's field log notes are included in Appendix E and Daily Activity Reports are included in Appendix F. Photo documentation is included in Appendix D.

Activities associated with the debris removal are discussed below. Removal of the hazardous waste is discussed in Section 4.0.

3.2 Health and Safety

All debris removal activities were conducted in accordance with the SSHP (SAIC 2003b). Subcontractors were required to sign in and out each day. Prior to the start of removal activities, SAIC conducted a daily tailgate safety meeting for all subcontractors to address work site health and safety issues. Subcontractors were required to sign the daily Tailgate Safety Meeting Log to document their attendance.

SAIC conducted a daily site safety inspection and completed the Daily Safety Inspection Log to identify and resolve any potential health and safety issues. The daily inspection was completed by either the site health and safety officer or the Program Manager. Blue Water completed a daily inspection of their equipment and submitted the Daily Equipment Inspection Log to SAIC weekly.

3.2.1 Removal of Asbestos Containing Materials

As discussed in Section 2.0, the concentration of asbestos in the 50 ft by 50 ft area centered on Test Pit 1,5 (Figure 2) was below the regulatory limit for asbestos containing materials. However, the presence of asbestos at even this low concentration warranted additional precautions to ensure worker health and safety. SAIC prepared an addendum to the SSHP (SAIC 2003e) that provided guidance and appropriate measures to protect worker health and safety. These precautions included dust suppression measures and the use of dust masks by workers.

During debris removal activities near Test Pit 1,3, a pipe and insulation were recovered that potentially contained asbestos. SAIC collected samples from each of these samples for quantitative asbestos analysis. The analytical results indicated that the pipe contained 8 percent crysotile asbestos. The insulation did not contain asbestos. The asbestos in the pipe was non-friable, and the pipe was wrapped in plastic and disposed of as construction and demolition waste in accordance with facility requirements.

3.3 Site Preparation Activities

Site preparations prior to debris removal included construction of an unpaved site road to provide access to the debris pile, relocation of the security fence located to the west of the GWTF, implementation of erosion and sediment controls, and clearing and grubbing. Erosion and sediment controls were implemented in accordance with the *Erosion and Sediment Control Plan* (SAIC 2003c) and included the installation of silt fences.

3.4 Processing of Materials and Debris

Materials recovered from the debris pile were segregated into three categories: (1) concrete greater than six inches, (2) debris greater than six inches, and (3) fines (all material less than six inches). Large pieces of concrete and debris were physically separated with the excavator. Then the soil and associated debris was screened using a 4-inch Grizzly screen. Concrete was segregated and stockpiled. Debris was further segregated into the following categories: trees, wood, steel, construction and demolition debris, commercial and residential debris, tires, and auto batteries. Segregated materials were either directly loaded into roll offs or stockpiled.

Fines were stockpiled in the area located to the north of the GWTF and later reused on-site. The fines stockpiles were periodically surveyed by AK Associates, a New York State Licensed Professional Surveyor, and the volume calculated. The method used by the surveyor to calculate the volume of the fines stockpiles is included in Appendix G.

SAIC tracked each load of material that left the site using the Non-Hazardous Material/Waste Tracking Form. Periodically, SAIC used an independent scale to verify the weights of trucks leaving the site. Details for each truck load of non-hazardous material/waste that left the site are included in Appendix H.

During debris removal activities, a paved surface was found in the southwest part of the site. In addition, two drywells, apparently used for infiltration of water from the paved surface, were also identified. These features were documented and the drywells are shown on Figure 1.

3.4 Material Quantities and Disposition

The extent of the debris pile excavation area is shown in Figure 3. Table 2 summarizes the quantities of each material recovered. A total of 423 tons of debris including trees, wood, and construction and demolition debris, were removed from the site. The trees were recycled by Custom Earth Products, Inc of Bay Shore, New York. The wood was landfilled by the 110 Sand Company of Melville, New York, and the construction and demolition debris was disposed of by Winters Waste Services of New York. A total of 6,992 tons of concrete were recycled by either the 110 Sand Company or by the Posillico Brothers Asphalt Company. The 152 tons of steel were recycled by the Mid Island Salvage Company of Deer Park, New York. Thirty cubic yards of municipal waste were recovered and disposed of by the METS Roll-Off Service. Fifty-one tires were recovered and were recycled by Casings, Inc. The 15 auto batteries were recycled by Loni-Jo Metal Corporation of Westbury, New Jersey. A total of 19,303 cubic yards of fines/soil was recovered and reused on-site as discussed below.

3.5 Site Restoration Activities

The Technical Specification (Appendix A) included the delivery of off-site topsoil for final restoration activities. However, due to the large quantities of fines in the debris pile, it was determined that off-site topsoil was not necessary. One area of the debris pile had fines with favorable characteristic and fewer coarse fragments for use as topsoil. Approximately 1,000 cubic yards of these fines were segregated and stockpiled separately for use as final topsoil.

Following debris removal, the 19,303 cubic yards of fines recovered from the debris pile were returned to the location of the former debris pile. All disturbed areas were graded, covered with topsoil, and vegetated. After grading, the area was fertilized, seeded and mulched. Details on the fertilization and seeding are included in Table 3.

As shown in Table 3, the resultant lime, fertilizer, seed and mulch/tacking agent application rates and the annual ryegrass percentage were estimated as slightly below specifications. SAIC is monitoring the revegetation process to determine if further action is required.

3.6 Pre-Final and Final Inspections

Pre-final and final inspections were conducted by EPA and USACE representatives. All construction activities were completed on September 15, 2003. On September 16, 2003, a substantial completion letter was submitted to the EPA acknowledging the completion of removal actions associated with the debris piles and storm water pits. A copy of this letter is included in Appendix A.

3.7 Operation and Maintenance

The removal actions associated with the debris removal are complete. These actions did not require the installation of any equipment or site facilities that will require any long-term operation and maintenance.

3.8 Observations and Lessons Learned

Waste removal work involving the removal of waste of unknown origin, such as the debris removal at the Claremont site, always involves uncertainty. Despite the best sampling and waste characterization efforts, unexpected types of wastes are often encountered. An estimated volume of only non-hazardous, residual wastes was expected to be encountered at Claremont. During the removal, however, a much greater volume of fines needed to be processed, and both asbestos containing waste, and hazardous waste (D006) had to be addressed. As discussed below, addressing these changes presented two of the most significant challenges of the program.

Problem Encountered - The asbestos containing waste was identified by site characterization activities prior to the removal action. Positive qualitative identification of asbestos prompted further quantitative analysis to support waste processing. Quantitative analysis documented the material to be non-asbestos containing waste, enabling the material to be handled as residual waste as originally planned. However, to provide for worker health and safety while waiting for further laboratory analyses, the potential asbestos containing area was marked in the field, and entry into the area was prohibited. The SSHP was also amended to address working in this area.

The hazardous waste was also identified by site characterization activities prior to removal action. The extent and volume of hazardous waste had to be determined by additional site sampling and laboratory analysis. The hazardous waste area was ultimately processed off-site as a hazardous waste. While waiting for the results of further laboratory analyses, the area was marked in the field, and entry into the area was prohibited. Additional OSHA trained personnel were required to remove, load, and transport these materials.

Lessons Learned – The unexpected findings of both waste types required a fundamental change in the approach to removing the residual waste from the site in a manner that avoided work stoppage. Lessons learned included the following:

- Provide contingency for site management and materials handling and management in the event of potential site work restrictions.
- Investment in thorough up-front waste characterization will avoid costly surprises later in the removal effort.
- Open communication between EPA, CENWK, and SAIC allowed for a timely resolution of the issues.

Problem Encountered – At the beginning of the project it was estimated that approximately 10,000 cubic yards of fines would be screened and processed for on-site use as clean fill. The actual amount encountered during the removal was over 20,000 cubic yards. The necessary stockpiling of this large volume of material, in part due to other site work restrictions posed by the presence of the potential asbestos and hazardous waste areas, resulted in the development of much larger stockpiles staged on different areas of the site than anticipated. This resulted in the need to address additional materials handling costs, and means for making volume estimates in consideration of potential material compaction than originally planned. Resolution of this issue required additional geotechnical investigations and development of a compaction factor in a timely fashion to avoid work stoppage by the subcontractor.

Lessons Learned – Evolving site work constraints and increasing material volumes required resolution of associated issues in a timely fashion to avoid work stoppage. Lessons learned included the following:

- Daily tracking of material volumes was critical to the timely modification of the site work plans and necessary development of a compaction factor.
- Provide contingency in the site work plans for changes in materials handling in response to changes in material volumes.
- Develop pre-negotiated contractual mechanisms for volume determinations in consideration of various waste volumes.
- Open communication between EPA, CENWK, and SAIC allowed for a timely resolution of the issues.

4.0 Management of Hazardous Waste

4.1 Additional Sampling at Test Pit 1,1

As discussed in Section 2.3, characterization testing in Test Pit 1,1 indicated the presence of characteristically hazardous levels of cadmium in the soil at this location. One soil sample had a TCLP-cadmium concentration of 11.0 mg/L, which exceeds the EPA toxicity characteristic (hazardous) criteria limit of 1.0 mg/L. In addition, air monitoring during soil sampling at Test Pit 1,1 showed the presence of volatile organic odors, based on elevated PID readings. Results of the TCLP analysis of this sample indicated that none of the regulated VOC, SVOC, herbicide, or pesticide constituents were detected in this sample. PCBs and asbestos were also absent, based on the initial characterization sampling. Based on this information, additional test pits and sampling were completed to further delineate the extent of potentially hazardous metals in this area. Four additional test pits were completed within 25 feet of Test Pit 1,1 in the north, south, east and west directions as shown on Figure 2. A composite soil sample was collected from each test pit and analyzed for TCLP metals. The results of this sampling are also shown on Table 1.

As shown in Table 1, only Test Pit 1,1 South had cadmium concentrations in excess of the regulatory standard. Test Pit 1,1 South also exhibited odors and PID readings. Based on these additional test pits, the area around Test Pit 1,1 designated as hazardous was limited by the locations of the North, South, East and West Test Pits resulting in an area approximately 36 feet north to south and 24 feet west to east as shown on Figure 2. An exclusion area was established to delineate this area and to ensure that site workers did not disturb the hazardous materials.

4.2 Hazardous Waste Processing and Disposal

SAIC evaluated various approaches for on-site screening, segregation, and off-site processing of hazardous and potentially non-hazarous soil and debris from the area surrounding Test Pit 1,1. A detailed plan was developed and submitted to the USACE. In an attempt to minimize the volume of material for hazardous waste disposal, SAIC collected a composite concrete sample from Test Pit 1,1 for total and TCLP metals. The laboratory results for this sample are summarized in Table 4. The laboratory reports are included in the *Quality Control Summary Report June through August 2003* (SAIC 2003g). Significantly elevated levels of total cadmium, copper and zinc were present in the concrete, and near characteristic levels of cadmium were exhibited by the sample. Based on consideration of cost, schedule, and risk, it was decided that all material from this area would be shipped off-site as either hazardous

debris or hazardous soil. Competitive disposal pricing was solicited from several waste facilities, permitted to accept D006 hazardous waste. The CWM Chemical Services, LLC hazardous waste landfill facility, located in Model City, New York, was selected and approved by EPA for this waste.

SAIC provided oversight for all hazardous waste processing and removal activities. All workers involved in the processing and removal of the hazardous wastes had completed the OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) 40-hour training in accordance with CFR 1920.120.

Debris was physically separated from the fines, and screening was not used for the hazardous wastes. Debris and fines were either directly loaded onto trucks for immediate removal from the site, or staged on plastic awaiting transportation. Debris from this area was excavated to a depth of approximately 15 feet below grade, or to the top of native soil, based on visual evidence of debris or discoloration. An additional two feet of native soil was removed to a depth of 17 feet below grade. The native soil from 15 to 17 feet below grade was stockpiled and sampled for potential reuse on the site. Upon analysis, this stockpile was also found to contain characteristically hazardous levels of cadmium (see Table 5), and was also shipped off-site as hazardous waste to CWM.

As shown in the summary table in Appendix I, a total of 454 tons of hazardous soil (17 loads) and 128 tons (8 loads) of hazardous debris were removed from the site and transported to the CWM Chemical Services, LLC facility in Model City, New York. The soil was stabilized and the debris was microencapsulated at CWM prior to placement in a secure hazardous waste landfill cell. Hazardous Waste Manifests and Certificates of Disposal associated with these shipments are included in Appendix I.

4.3 Confirmation Sampling and Closure

4.3.1 Establishment of Closure Requirements

After hazardous waste was discovered in the debris pile, SAIC worked with the EPA and the USACE to establish closure requirements for elevated cadmium identified in a small portion of the debris pile. A memorandum (SAIC, 2003f) was prepared, and approved by EPA Region 2, identifying a site-specific cleanup goal of 8 mg/kg cadmium for this hazardous area prior to its removal. This concentration was shown to be protective of the soil-to-groundwater (leaching) pathway. Since the area was backfilled with approximately 10 feet of clean fill, there is no direct contact human health concern.

Information about soil cleanup goals for cadmium at the site was reviewed to determine its applicability to the hazardous soil/debris pile removal project at the subject site. Information sources reviewed included the EPA Headquarters, the EPA Region 2, and the New York State Department of Environmental Conservation (NYSDEC). A site background determination was also conducted.

The EPA has prepared a series of guidance documents for determining soil screening levels (SSLs). SSLs are chemical-specific concentrations in soil that represent a level of contamination below which there is no concern under CERCLA (and other programs), provided the conditions associated with the derivation of the SSL are met. SSLs are intended to be used as screening criteria to facilitate the identification of the chemicals and exposure pathways that potentially require remedial action. Separate SSLs are developed for direct contact (i.e., ingestion), volatilization to the air (i.e., inhalation), and leaching to the groundwater. For cadmium, the generic SSL for the migration to groundwater is 8 mg/kg, which is protective of groundwater based on the maximum contaminant level (MCL) for cadmium in drinking water (0.005 mg/L).

For heavy metals, NYSDEC recommends the eastern United States or New York State soil background concentrations be used as soil cleanup objectives. For cadmium, NYSDEC identifies a concentration range of 0.1 to 1.0 ppm (mg/kg) for eastern United States background. The NYSDEC recommended soil cleanup objective for cadmium that is protective of all potential exposure pathways is 1.0 ppm or site background.

4.3.2 Determination of Site Background Cadmium Concentration

SAIC collected samples from uncontaminated areas on the site and beyond the limits of the debris pile to establish a background cadmium concentration. Eight samples were collected at approximately 2.5 to 3.5 feet below the ground surface, representing subsoil conditions. The background sample locations are shown on Figure 1. The samples were analyzed for total cadmium, chromium, copper, lead and zinc. Based on these results (see Table 6), the site background cadmium concentration is below 1.0 ppm. The laboratory reports are included in the *Quality Control Summary Report June through August 2003* (SAIC 2003g).

4.3.3 Confirmation Sampling

After removal of the hazardous soil and debris, one confirmation sample was collected from the bottom of the excavation at approximately 17 feet below grade. The sample was analyzed for total cadmium and TCLP metals. The confirmation sampling laboratory results are summarized in Table 5. The laboratory

reports are included in the *Quality Control Summary Report June through August 2003* (SAIC 2003g). None of the metals in the confirmation sample were detected above the method detection limit. Therefore removal was completed to levels below the site-specific cleanup goal, NYSDEC state cleanup levels, and site background.

5.0 Sampling, Analysis and Closure of the Storm Water Pits

As shown in Figure 1, the former storm water control system was located on the west side of the process building. The storm water control system consisted of four rectangular concrete, open topped, water-filled pits approximately 8 feet wide, 10 feet long and 10 feet deep. These pits apparently discharged into a fifth 8-foot diameter round pit approximately 16.5 feet deep. An influent pipe entered the round pit from the building side of the pit. The pits contained an unknown amount of sediment and debris. The storm water pits were closed to remove potential physical hazards to humans or animals associated with these structures. Copies of the field log book documenting the storm water pit activities are included in Appendix E.

5.1 Sampling and Analysis of the Storm Water Pits

For sampling purposes, the storm water pits were labeled 1 through 5 with 1 being the northernmost square pit and 5 being the round pit. Water and sediment samples were collected from pits number 1, 4 and 5. Water samples were collected with a 12-inch dedicated disposable bailer lowered approximately half the distance to the bottom of each pit. Sediment samples were collected from the bottom of the pits with a Ponar dredge. Sediment collected from Pit 4 was unique in that it contained gold-colored silt-sized particles. A review of historical documents revealed that one of the main products manufactured at Claremont Polychemical was Durogold, a coated bronze flake formed with copper and zinc compounds (EBASCO 1990). The sediment in Pit 1 and 5 appeared to be primarily organic debris. Due to the contrasting nature of the sediment samples, SAIC collected sediment samples from Pits 2 and 3 for visual observations. These samples were similar to the sediment collected from Pits 1 and 5.

The water and sediment samples were analyzed through the EPA Contract Laboratory Program (CLP) for VOCs, SVOCs and metals. The laboratory results are summarized in Table 7. Complete validated data packages are available through the USACE. The CLP samples results indicate that the concentration of all constituents in the surface water except arsenic were below the EPA MCLs. The concentrations of acetone, bis (2-ethyhexyl) phthalate, and several metals were above the NYSDEC Soil Cleanup Objectives, however the sediments were considered non-hazardous. The occurrence of acetone is considered a laboratory artifact (to be verified upon receipt of the validated data package). A sediment sample from Pit 4 was also submitted to ALSI for TCLP metals analysis. As shown in Table 8, the TCLP analysis results confirm that the sediment from Pit 4 was non-hazardous. The laboratory reports are included in the *Quality Control Summary Report June through August 2003* (SAIC 2003g).

5.2 Closure of Storm Water Pits

Water from the five storm water pits was pumped to and treated by the on-site GWTF. The sediments were pumped (when possible) or removed with buckets and placed in 55-gallon drums. After removal of as much sediment as possible, Portland cement was mixed with the remaining sediment in the bottom of the pits for physical and chemical stabilization. The sides of the pits were broken down to below grade and then the pits were filled with clean fill. Five 55-gallon drums of sediment are currently being processed for off-site disposal and will be removed from the site by January 1, 2004.

6.0 Evaluation and Closure of Obsolete Wells

The EPA identified three unused groundwater wells for evaluation and potential abandonment. Abandonment of obsolete wells would eliminate any risk to the subsurface aquifer posed by connection through these wells to the ground surface. One of the wells identified was a deep well formerly used as a production well for Claremont Polychemical. Another well was identified as RW-01 and the location of the third well was unknown. The location of the deep well and RW-01 are shown on Figure 1. Reportedly RW-01 and the unknown well were used previously as a non-potable water supply, and for recharge to the groundwater from an undetermined source. Copies of the field log book documenting obsolete well activities are included in Appendix E.

6.1 Search for the Unknown Well

It was assumed that the unknown well was located inside a debris-filled concrete ring. The ring and debris were removed exposing a one-inch PVC pipe just below the ground surface. The PVC pipe was excavated by hand, revealing an elbow in the pipe at approximately 2.5 below ground surface heading in a westerly direction. Further excavation and trenching of the PVC pipe with a backhoe eventually traced the pipe to the western property line, where the excavation was terminated. Later discussions with Mr. Michael Flaherty of NYSDEC indicated that information on the well permit indicated that the well may be located beneath the parking lot of the adjacent property. It was decided that no further evaluation of this well would be conducted as part of the debris removal project.

6.2 Sampling and Abandonment of RW-01

RW-01 had an unprotected stickup and was approximately 160 feet deep. The well was sampled using a non-dedicated bladder pump in accordance with low-flow sampling procedures detailed in the SAP (SAIC 2003d). The groundwater sample was analyzed for VOCs, SVOCs and metals through the CLP Program. The results for detected compounds are summarized in Table 9. Complete validated data packages are available through the USACE. As shown in Table 9, cis-1,2-dichloroethene, trichlorethene and bis (2-ethylhexyl) phthalate were detected in RW-01; but all concentrations were below the EPA MCLs.

Layne Christensen Drilling Co. abandoned RW-01 in accordance with all NYSDEC requirements. The well abandonment report is included in Appendix J.

6.3 Deep Well Evaluation and Borehole Geophysics

The deep well was originally scheduled for sampling and abandonment, but based on the well evaluation activities discussed below and discussions with the USACE and NYSDEC, it was decided that the well would not be abandoned.

6.3.1 Evaluation of the Deep Well

SAIC completed a confined space entry to evaluate the deep well located in a subsurface vault. The motor of the turbine pump completely covered the well head making it impossible to access the well for evaluation and sampling. On August 21, 2002, Layne Christensen, Co. removed the pump and setting from the well. The USACE requested that the deep well be further evaluated using geophysical techniques.

6.3.2 Deep Well Borehole Geophysics

SAIC completed a borehole geophysical investigation of the deep well to establish some basic borehole information about this well and to assist in decision making concerning the future use of this well. SAIC collected data from the ground surface to a depth of 330 feet. Information recorded included temperature, caliper, single point resistance, spontaneous potential and natural gamma-radiation measurements.

Based upon the interpretation of the data collected, SAIC made the following conclusions:

1. Geophysical measurements of this borehole indicate three separate aquifer zones are intercepted by this well. The separation of these zones is caused by slight variations in fine grained materials.
2. No significant clay layers that would form an aquitard were interpreted present.
3. Observations of the sondes following logging and data interpretation indicate a “muck” zone is present in the lower 30-feet of this well, and odors suggested environmental contamination may be present.

Additional information on the borehole geophysical investigation is the report found in Appendix K.

7.0 Summary of Project Costs

The estimated final cost for debris removal, storm water pit closure, and obsolete well evaluation and abandonment is approximately $950,000. All costs were incurred in 2003.

8.0 References

EBASCO, 1990, Remedial *Investigation Report, Claremont Polychemical Superfund Site, Old Bethpage, NY*, Draft Final, July.

Science Applications International Corporation (SAIC), 2003a, *Claremont Polychemical Superfund Site – Operations and Maintenance Modification No. 4 – Facilities Decommissioning and Debris Removal*, Revision 2, submitted to the US Army Corp of Engineers, Kansas City District, April 24.

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Science Applications International Corporation (SAIC), 2003d, *Sampling and Analysis Plan for Groundwater Treatment O&M at the Claremont Polychemical Superfund Site (Revised June 2003)*, June.

Science Applications International Corporation (SAIC), 2003e, *Addendum 1 Sampling and Analysis Plan for Groundwater Treatment O&M at the Claremont Polychemical Superfund Site*, August 6.

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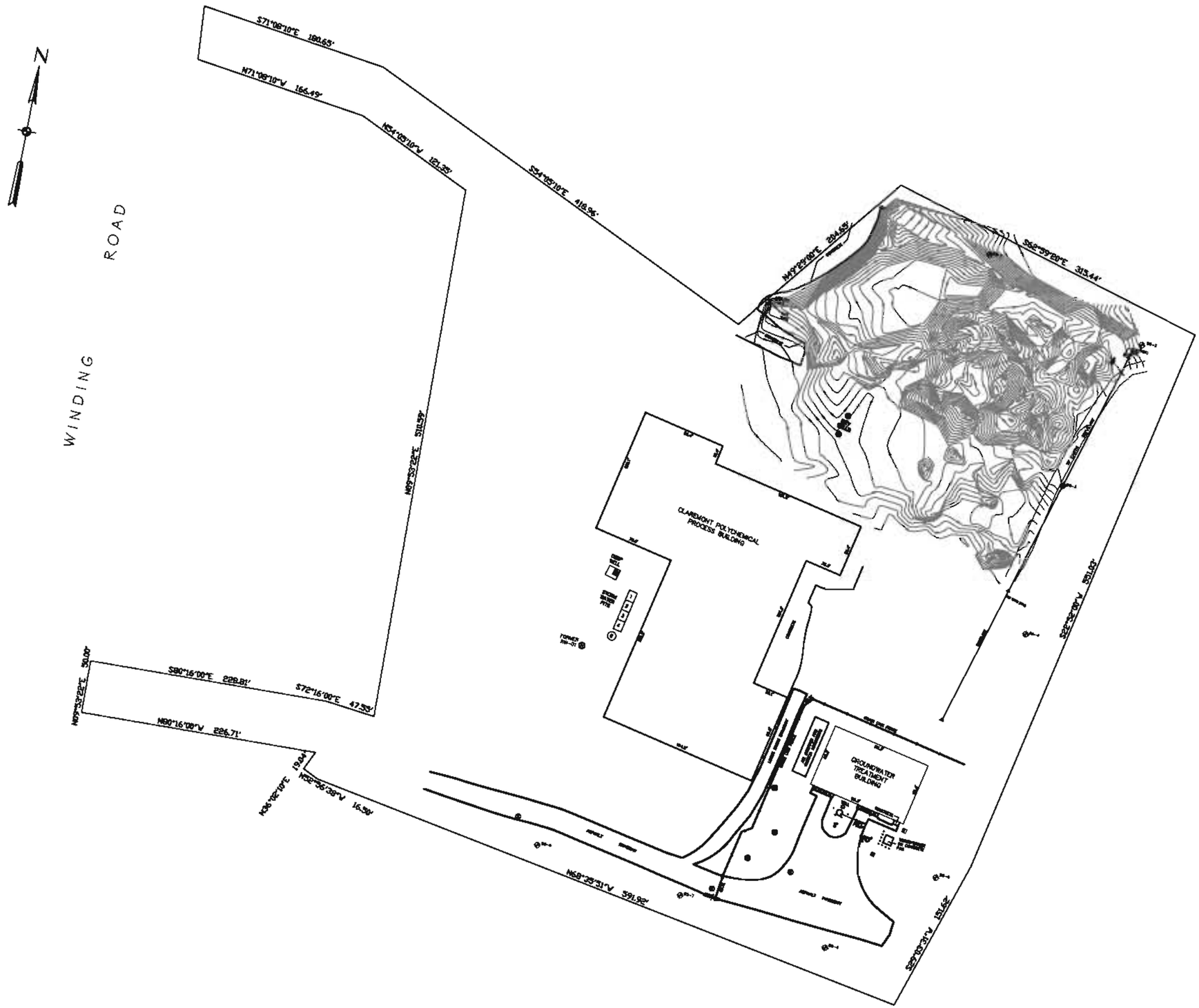
Science Applications International Corporation (SAIC), 2003g, *Quality Control Summary Report June through August 2003*, Claremont Polychemical Superfund Site, November.

FIGURES



LEGEND

- BACKGROUND SAMPLE LOCATION
- MONITORING WELL
- DRAIN MANHOLE
- DROP INLET
- SEWER MANHOLE
- WATER VALVE
- HYDRANT
- BOLLARD
- FLAG POLE
- —E— ELECTRIC LINE
- —T— TELEPHONE LINE
- —W— WATER LINE

50' 0 50'
SCALE IN FEET

CLAREMONT POLYCHEMICAL
SUPERFUND SITE
OLD BETHPAGE, NASSAU COUNTY, NY

SITE MAP BEFORE DEBRIS REMOVAL

drawn RAM	checked	approved	figure no.
date 10/22/03	date	date	1
job no. 01-1406-04-5388-904		file no. 5388-004.dwg	

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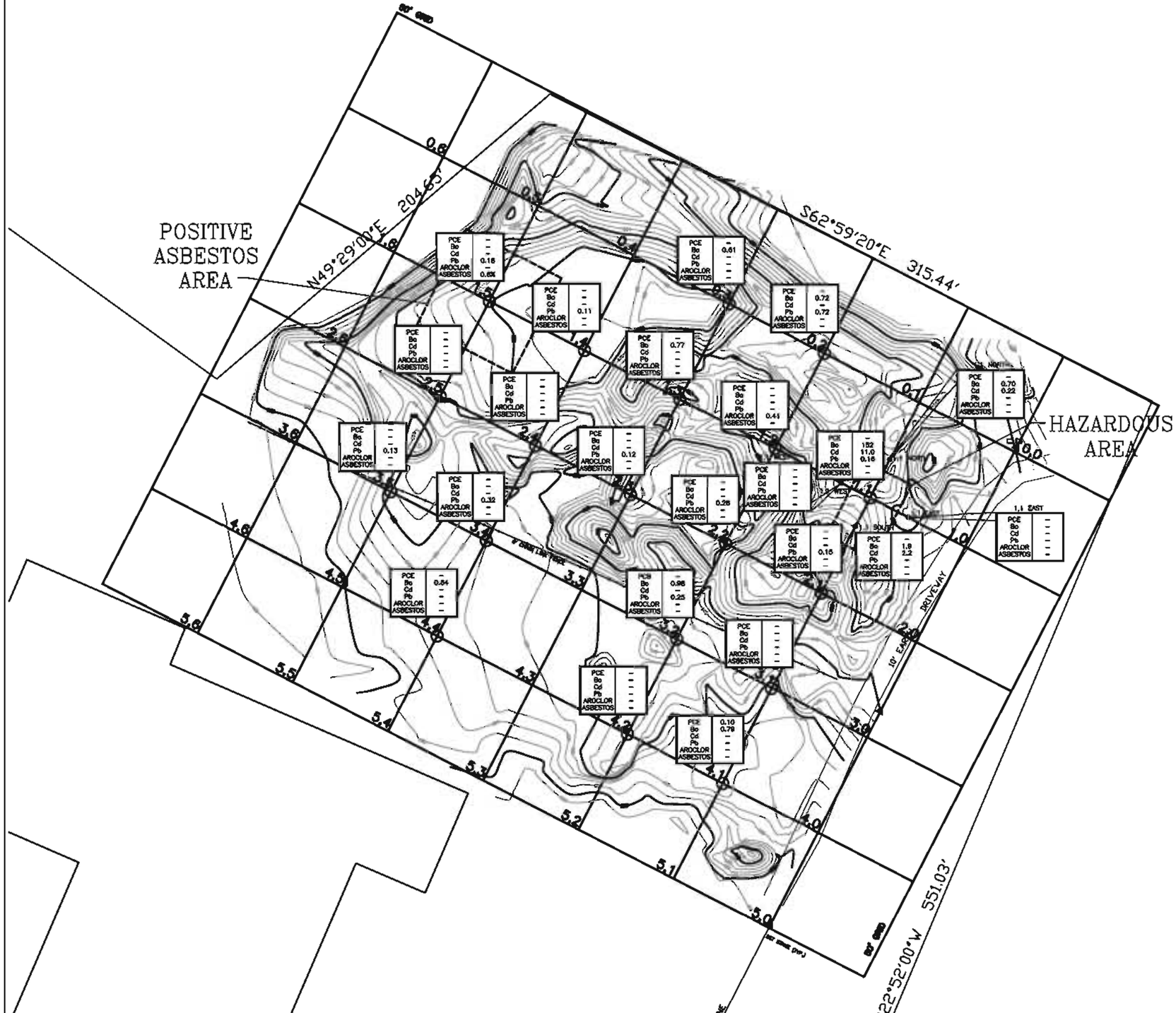

REGULATORY LEVELS

PCE – TETRACHLOROETHENE	0.7 mg/L
BA – BARIUM	100.0 mg/L
Cd – CADMIUM	1.0 mg/L
Pb – LEAD	5.0 mg/L
AROCLOR–1260	50 mg/Kg
ASBESTOS	1%

mg/L = MILLIGRAMS PER LITER

mg/Kg = MILLIGRAMS PER KILOGRAMS

RESULTS IN RED EXCEED REGULATORY LEVELS

o INITIAL TEST PIT SAMPLE LOCATIONS

▪ ADDITIONAL HAZARDOUS AREA SAMPLE LOCATIONS

50' 0 50'

SCALE IN FEET

CLAREMONT POLYCHEMICAL SUPERFUND SITE

OLD BETHPAGE, NASSAU COUNTY, NY

DEBRIS PILE TEST PIT LOCATIONS AND LABORTORY RESULTS

drawn RAM	checked	approved	figure no. 2
date 07/31/03	date	date	
job no. 01-1408-04-5386-904		file no. 5386-003.dwg	

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CLAREMONT POLYCHEMICAL SUPERFUND SITE

OLD BETHPAGE, NASSAU COUNTY, NY

EXTENT OF DEBRIS PILE EXCAVATION

drawn: RAM	checked	approved	figure no. 3
date: 10/22/03	date	date	
job no: 01-1408-04-5386-904		file no: 5386-004.dwg	

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TABLES

Table 1. Debris Pile Sampling Laboratory Analytical Results
Debris Removal - Claremont Polychemical Superfund Site

Location		0,2	0,3	1,1	1,1 North	1,1 West	1,1 East	1,1 South	1,1 South Duplicate
Sample ID		CPC-00-DB-0200-001A, B	CPC-00-DB-0300-001A, B	CPC-00-DB-1100-001A, B	CPC-00-DB-1100-002	CPC-00-DB-1100-003	CPC-00-DB-1100-004	CPC-00-DB-1100-005	CPC-01-DB-1100-005
Lab ID		239023001,2	239168004, 5	239022001, 2	240047001	240047002	240047003	240047004	240047005
Date Collected		7/1/2003	7/3/2003	6/30/2003	7/15/2003	7/15/2003	7/15/2003	7/15/2003	7/15/2003
	EPA Regulatory Level* (mg/L)								
TCLP Volatile Organics									
Benzene	0.5	ND	ND	ND	NA	NA	NA	NA	NA
2-Butanone (MEK)	200.0	ND	ND	ND	NA	NA	NA	NA	NA
Carbon Tetrachloride	0.5	ND	ND	ND	NA	NA	NA	NA	NA
Chlorobenzene	100.0	ND	ND	ND	NA	NA	NA	NA	NA
Chloroform	6.0	ND	ND	ND	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.5	ND	ND	ND	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.7	ND	ND	ND	NA	NA	NA	NA	NA
Tetrachloroethene	0.7	ND	ND	ND	NA	NA	NA	NA	NA
Trichloroethene	0.5	ND	ND	ND	NA	NA	NA	NA	NA
Vinyl Chloride	0.2	ND	ND	ND	NA	NA	NA	NA	NA
TCLP Metals									
Mercury, Total	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, Total	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Barium, Total	100.0	0.719	0.608	15.2	0.699	ND	ND	1.90	3.04
Cadmium, Total	1.0	ND	ND	**11.0**	0.222	ND	ND	**2.15**	**3.93**
Chromium, Total	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Lead, Total	5.0	0.719	ND	0.163	ND	ND	ND	ND	ND
Selenium, Total	1.0	ND	ND	ND	ND	ND	ND	ND	ND
Silver, Total	5.0	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Semi-Volatile Organics									
m & p-Cresols	200.0	NA	NA	ND	NA	NA	NA	NA	NA
o-Creosol (2-methylphenol)	200.0	NA	NA	ND	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	7.5	NA	NA	ND	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	0.13	NA	NA	ND	NA	NA	NA	NA	NA
Hexachlorobenzene	0.13	NA	NA	ND	NA	NA	NA	NA	NA
Hexchlorobutadiene	0.5	NA	NA	ND	NA	NA	NA	NA	NA
Hexachloroethane	3.0	NA	NA	ND	NA	NA	NA	NA	NA
Nitrobenzene	2.0	NA	NA	ND	NA	NA	NA	NA	NA
Pentachlorophenol	100.0	NA	NA	ND	NA	NA	NA	NA	NA
Pyridine	5.0	NA	NA	ND	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	400.0	NA	NA	ND	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	2.0	NA	NA	ND	NA	NA	NA	NA	NA
TCLP Pesticides									
gamma-BHC (Lindane)	0.4	NA	NA	ND	NA	NA	NA	NA	NA
Chlordane	0.03	NA	NA	ND	NA	NA	NA	NA	NA
Endrin	0.02	NA	NA	ND	NA	NA	NA	NA	NA
Heptachlor	0.008	NA	NA	ND	NA	NA	NA	NA	NA
Heptachlor expoxide	0.008	NA	NA	ND	NA	NA	NA	NA	NA
Methoxychlor	10.0	NA	NA	ND	NA	NA	NA	NA	NA
Toxaphene	0.5	NA	NA	ND	NA	NA	NA	NA	NA
TCLP PCBs									
Aroclor-1016	--	NA	NA	ND	NA	NA	NA	NA	NA
Aroclor-1221	--	NA	NA	ND	NA	NA	NA	NA	NA
Aroclor-1232	--	NA	NA	ND	NA	NA	NA	NA	NA
Aroclor-1242	--	NA	NA	ND	NA	NA	NA	NA	NA
Aroclor-1248	--	NA	NA	ND	NA	NA	NA	NA	NA
Aroclor-1254	--	NA	NA	ND	NA	NA	NA	NA	NA
Aroclor-1260	--	NA	NA	ND	NA	NA	NA	NA	NA
TCLP Herbicides									
2,4-D	10.0	NA	NA	ND	NA	NA	NA	NA	NA
2,4,5-TP (Silvex)	1.0	NA	NA	ND	NA	NA	NA	NA	NA
PCBs, Total									
Aroclor-1016 (mg/kg)	50 mg/kg **	NA	NA	ND	NA	NA	NA	NA	NA
Aroclor-1221 (mg/kg)	50 mg/kg **	NA	NA	ND	NA	NA	NA	NA	NA
Aroclor-1232 (mg/kg)	50 mg/kg **	NA	NA	ND	NA	NA	NA	NA	NA
Aroclor-1242 (mg/kg)	50 mg/kg **	NA	NA	ND	NA	NA	NA	NA	NA
Aroclor-1248 (mg/kg)	50 mg/kg **	NA	NA	ND	NA	NA	NA	NA	NA
Aroclor-1254 (mg/kg)	50 mg/kg **	NA	NA	ND	NA	NA	NA	NA	NA
Aroclor-1260 (mg/kg)	50 mg/kg **	NA	NA	ND	NA	NA	NA	NA	NA
Asbestos (Qualitative)	**--**	None Detected	None Detected	None Detected	NA	NA	NA	NA	NA
Asbestos (Quantitative)	1%**	NA	NA	NA	NA	NA	NA	NA	NA

*EPA Regulatory Levels 40 CFR 261.24
**TSCA and State Regulatory Levels
All units in mg/L except where noted
Bold indicates in excess of regulatory limit
ND - Not detected above the reporting limit
NA - Not analyzed for

Table 1. Debris Pile Sampling Laboratory Analytical Results
Debris Removal - Claremont Polychemical Superfund Site

Location		1,2	1,3	1,4	1,5	2,1	2,2	2,3	2,4
Sample ID		CPC-00-DB-1200-001A, B	CPC-00-DB-1300-001A, B	CPC-00-DB-1300-001A, B	CPC-00-DB-1500-001A, B	CPC-00-DB-2100-001A, B	CPC-00-DB-2200-001A, B	CPC-00-DB-2300-001A, B	CPC-00-DB-2400-001A, B
Lab ID		239168006,8	239168010, 11	239169001, 2	239168001, 2	239022003, 4	239169003, 4	239169005, 6	239169007,8
Date Collected		7/3/2003	7/3/2003	7/3/2003	7/3/2003	6/30/2003	7/3/2003	7/3/2003	7/3/2003
	EPA Regulatory Level* (mg/L)								
TCLP Volatile Organics									
Benzene	0.5	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	200.0	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	100.0	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	6.0	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.7	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	0.7	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.2	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Metals									
Mercury, Total	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, Total	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Barium, Total	100.0	ND	0.766	ND	ND	ND	ND	ND	ND
Cadmium, Total	1.0	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Total	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Lead, Total	5.0	ND	ND	0.113	0.179	0.150	0.284	0.115	ND
Selenium, Total	1.0	ND	ND	ND	ND	ND	ND	ND	ND
Silver, Total	5.0	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Semi-Volatile Organics									
m & p-Cresols	200.0	ND	NA	NA	ND	NA	NA	NA	NA
o-Creosol (2-methylphenol)	200.0	ND	NA	NA	ND	NA	NA	NA	NA
1,4-Dichlorobenzene	7.5	ND	NA	NA	ND	NA	NA	NA	NA
2,4-Dinitrotoluene	0.13	ND	NA	NA	ND	NA	NA	NA	NA
Hexachlorobenzene	0.13	ND	NA	NA	ND	NA	NA	NA	NA
Hexchlorobutadiene	0.5	ND	NA	NA	ND	NA	NA	NA	NA
Hexachloroethane	3.0	ND	NA	NA	ND	NA	NA	NA	NA
Nitrobenzene	2.0	ND	NA	NA	ND	NA	NA	NA	NA
Pentachlorophenol	100.0	ND	NA	NA	ND	NA	NA	NA	NA
Pyridine	5.0	ND	NA	NA	ND	NA	NA	NA	NA
2,4,5-Trichlorophenol	400.0	ND	NA	NA	ND	NA	NA	NA	NA
2,4,6-Trichlorophenol	2.0	ND	NA	NA	ND	NA	NA	NA	NA
TCLP Pesticides									
gamma-BHC (Lindane)	0.4	ND	NA	NA	ND	NA	NA	NA	NA
Chlordane	0.03	ND	NA	NA	ND	NA	NA	NA	NA
Endrin	0.02	ND	NA	NA	ND	NA	NA	NA	NA
Heptachlor	0.008	ND	NA	NA	ND	NA	NA	NA	NA
Heptachlor expoxide	0.008	ND	NA	NA	ND	NA	NA	NA	NA
Methoxychlor	10.0	ND	NA	NA	ND	NA	NA	NA	NA
Toxaphene	0.5	ND	NA	NA	ND	NA	NA	NA	NA
TCLP PCBs									
Aroclor-1016	--	ND	NA	NA	ND	NA	NA	NA	NA
Aroclor-1221	--	ND	NA	NA	ND	NA	NA	NA	NA
Aroclor-1232	--	ND	NA	NA	ND	NA	NA	NA	NA
Aroclor-1242	--	ND	NA	NA	ND	NA	NA	NA	NA
Aroclor-1248	--	ND	NA	NA	ND	NA	NA	NA	NA
Aroclor-1254	--	ND	NA	NA	ND	NA	NA	NA	NA
Aroclor-1260	--	ND	NA	NA	ND	NA	NA	NA	NA
TCLP Herbicides									
2,4-D	10.0	ND	NA	NA	ND	NA	NA	NA	NA
2,4,5-TP (Silvex)	1.0	ND	NA	NA	ND	NA	NA	NA	NA
PCBs, Total									
Aroclor-1016 (mg/kg)	50 mg/kg **	ND	NA	NA	ND	NA	NA	NA	NA
Aroclor-1221 (mg/kg)	50 mg/kg **	ND	NA	NA	ND	NA	NA	NA	NA
Aroclor-1232 (mg/kg)	50 mg/kg **	ND	NA	NA	ND	NA	NA	NA	NA
Aroclor-1242 (mg/kg)	50 mg/kg **	ND	NA	NA	ND	NA	NA	NA	NA
Aroclor-1248 (mg/kg)	50 mg/kg **	ND	NA	NA	ND	NA	NA	NA	NA
Aroclor-1254 (mg/kg)	50 mg/kg **	ND	NA	NA	ND	NA	NA	NA	NA
Aroclor-1260 (mg/kg)	50 mg/kg **	0.412	NA	NA	ND	NA	NA	NA	NA
Asbestos (Qualitative)	**--**	None Detected	None Detected	None Detected	Chrysotile	None Detected	None Detected	None Detected	None Detected
Asbestos (Quantitative)	1%**	NA	NA	NA	0.6 % Chrysotile	NA	NA	NA	NA

*EPA Regulatory Levels 40 CFR 261.24
**TSCA and State Regulatory Levels
All units in mg/L except where noted
Bold indicates in excess of regulatory limit
ND - Not detected above the reporting limit
NA - Not analyzed for

Table 1. Debris Pile Sampling Laboratory Analytical Results
Debris Removal - Claremont Polychemical Superfund Site

Location		2,5	3,1	3,2	3,4	3,5	4,1	4,2	4,4
Sample ID		CPC-00-DB-2500-001A, B	CPC-00-DB-3100-001A, B	CPC-00-DB-3200-001A, B	CPC-00-DB-3400-001A, B	CPC-00-DB-3500-001A, B	CPC-00-DB-4100-001A, B	CPC-00-DB-4200-001A, B	CPC-00-DB-4400-001A, B
Lab ID		239169009, 10	239022005, 6	239167001, 3	239167004, 5	239167006, 7	239022007, 8	239167008, 9	239167010, 11
Date Collected		7/3/2003	6/30/2003	7/3/2003	7/3/2003	7/3/2003	6/30/2003	7/3/2003	7/3/2003
	EPA Regulatory Level* (mg/L)								
TCLP Volatile Organics									
Benzene	0.5	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	200.0	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	100.0	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	6.0	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.7	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	0.7	ND	ND	ND	ND	ND	0.101	ND	ND
Trichloroethene	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.2	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Metals									
Mercury, Total	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, Total	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Barium, Total	100.0	ND	ND	0.982	ND	ND	0.788	ND	0.635
Cadmium, Total	1.0	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Total	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Lead, Total	5.0	ND	ND	0.248	0.321	0.127	ND	ND	ND
Selenium, Total	1.0	ND	ND	ND	ND	ND	ND	ND	ND
Silver, Total	5.0	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Semi-Volatile Organics									
m & p-Cresols	200.0	NA	NA	NA	NA	NA	NA	NA	NA
o-Creosol (2-methylphenol)	200.0	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	7.5	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	0.13	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	0.13	NA	NA	NA	NA	NA	NA	NA	NA
Hexchlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	3.0	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	2.0	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	100.0	NA	NA	NA	NA	NA	NA	NA	NA
Pyridine	5.0	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	400.0	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	2.0	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Pesticides									
gamma-BHC (Lindane)	0.4	NA	NA	NA	NA	NA	NA	NA	NA
Chlordane	0.03	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	0.02	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	0.008	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor expoxide	0.008	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	10.0	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	0.5	NA	NA	NA	NA	NA	NA	NA	NA
TCLP PCBs									
Aroclor-1016	--	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221	--	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	--	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	--	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	--	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	--	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	--	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Herbicides									
2,4-D	10.0	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TP (Silvex)	1.0	NA	NA	NA	NA	NA	NA	NA	NA
PCBs, Total									
Aroclor-1016 (mg/kg)	50 mg/kg **	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (mg/kg)	50 mg/kg **	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (mg/kg)	50 mg/kg **	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (mg/kg)	50 mg/kg **	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (mg/kg)	50 mg/kg **	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (mg/kg)	50 mg/kg **	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (mg/kg)	50 mg/kg **	NA	NA	NA	NA	NA	NA	NA	NA
Asbestos (Qualitative)	--	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected
Asbestos (Quantitative)	1%**	NA	NA	NA	NA	NA	NA	NA	NA

*EPA Regulatory Levels 40 CFR 261.24
**TSCA and State Regulatory Levels
All units in mg/L except where noted
Bold indicates in excess of regulatory limit
ND - Not detected above the reporting limit
NA - Not analyzed for

Table 2. Weight and Volume Summary of Materials Recovered
Debris Removal - Claremont Polychemical Superfund Site

Material	Weight (Tons)	Volume (yd^3)	Count	Number of Loads
Debris				
Debris (trees)	31.01	245	--	--
Debris (wood)	329.93	779	--	--
Debris (c & d)	62.24	126	--	--
Debris Total	**423.18**	**1,150**	**--**	**41**
Concrete	**6,992.27**	**6,215**	--	**213**
Steel	**152**	**610**	--	**21**
Municipal waste	--	**30**	--	**1**
Tires	--	--	**51**	**1**
Auto Batteries	--	--	**15**	**1**
Soil (remained on site)	--	**19,303**	--	--

Table 3. Summary of Revegetation Activities
Debris Removal - Claremont Polychemical Superfund Site

Material Applied	Bag Weights (lbs)	Bags Applied[1]	Weight of Material Applied (lbs)
Annual Ryegrass	25	3	75
Other Seed Mix	50	15	750
Lime	50	121	6,050
Fertilizer	50	18	900
Mulch	50	57	2,850
Tacking Agent	8	10	80

Total Area Revegetated[2] (Square feet) 97,874

Application Rates	Units	Actual	Specification
Lime	lbs/1,000 ft^2	62	75
Fertilizer	lbs/1,000 ft^2	9.2	8
Seed	lbs/1,000 ft^2	8.4	6
Annual Ryegrass Percentage	percent	9.1	10
Mulch/Tacking Agent	lbs/acre	1,304	1,800

1) Based on empty bag count on 9/17/03
2) Based on 10/04/03 E&S Plan red-lines
lbs - pounds
ft^2 - square feet

Table 4. Test Pit 1,1 Concrete Sampling Laboratory Analytical Results
Debris Removal - Claremont Polychemical Superfund Site

Location		1,1 Concrete
Sample ID		CPC-00-DB-1100-006
Lab ID		2415700001
Date Collected		7/31/2003
	EPA Regulatory Level* (mg/L)	
TCLP Metals (mg/L)		
Mercury, Total	0.2	ND
Arsenic, Total	5.0	ND
Barium, Total	100.0	2.15
Cadmium, Total	1.0	0.74
Chromium, Total	5.0	ND
Lead, Total	5.0	ND
Selenium, Total	1.0	ND
Silver, Total	5.0	ND
Total Metals (mg/kg)		
Antimony, Total	--	ND
Arsenic, Total	--	ND
Beryllium, Total	--	ND
Cadmium, Total	--	256
Chromium, Total	--	11.3
Copper, Total	--	180
Lead, Total	--	36
Mercury, Total	--	ND
Nickel, Total	--	4
Selenium, Total	--	ND
Silver, Total	--	ND
Thallium, Total	--	ND
Zinc, Total	--	123

*EPA Regulatory Levels 40 CFR 261.24
ND - Not detected above the reporting limit

Table 5. Confirmation Sampling Laboratory Analytical Results
Debris Removal - Claremont Polychemical Superfund Site

Location		1,1 Bottom of Excavation	1,1 Stock Pile
Sample ID		CPC-00-CS-0001-17'	CPC-00-DB-STOCK
Lab ID		244017001, 3	244017002, 4
Date Collected		8/29/2003	8/29/2003
	EPA Regulatory Level* (mg/L)		
TCLP Metals (mg/L)			
Mercury, Total	0.2	ND	ND
Arsenic, Total	5.0	ND	ND
Barium, Total	100.0	ND	4.03
Cadmium, Total	1.0	ND	**1.12**
Chromium, Total	5.0	ND	ND
Lead, Total	5.0	ND	ND
Selenium, Total	1.0	ND	ND
Silver, Total	5.0	ND	ND
Total Metals (mg/kg)			
Cadmium, Total	--	ND	29.9

*EPA Regulatory Levels 40 CFR 261.24
Bold indicates in excess of regulatory limit
ND - Not detected above the reporting limit

Table 6. Background Soil Sampling Laboratory Analytical Results
Debris Removal - Claremont Polychemical Superfund Site

Location	BS-1	BS-2	BS-3	BS-4	BS-5
Sample Depth (feet)	3.5	3	3	3	2.5
Sample ID	CPC-00-BS-0001-3.5'	CPC-00-BS-0002-3.0'	CPC-00-BS-0003-3.0'	CPC-00-BS-0004-3.0'	CPC-00-BS-0005-2.5'
Lab ID	242874008	242874007	242874006	242874005	242874001
Date Collected	8/14/2003	8/14/2003	8/14/2003	8/14/2003	8/14/2003
Total Metals					
Cadmium, Total (mg/kg)	0.9	1	1.5	<0.5	<0.5
Chromium, Total (mg/kg)	14.2	14.9	8.1	13.3	16.3
Copper, Total (mg/kg)	13	7	37	10	21
Lead, Total (mg/kg)	9	8	26	8	23
Zinc, Total (mg/kg)	25	16	40	15	34

Location	BS-6	BS-7	BS-8	BS-1 (duplicate)	
Sample Depth (feet)	3.5	3.5	3.5	3.5	
Sample ID	CPC-00-BS-0006-3.5'	CPC-00-BS-0007-3.5'	CPC-00-BS-0008-3.5'	CPC-01-BS-0001-3.5'	
Lab ID	242874002	242874003	242874004	242874009	**Average**
Date Collected	8/14/2003	8/14/2003	8/14/2003	8/14/2003	**Concentration***
Total Metals					
Cadmium, Total (mg/kg)	<0.5	<0.5	<0.5	<0.5	0.58
Chromium, Total (mg/kg)	11.6	3.8	14.4	14.5	13.4
Copper, Total (mg/kg)	5	3	8	15	17.6
Lead, Total (mg/kg)	7	3	9	10	14.8
Zinc, Total (mg/kg)	13	8	6	24	26.0

* For results less than the detection limit, 1/2 of the detection limit was used to calculate the average. The results for the duplicate were not included in the average.

Table 7. Storm Water Pits Sampling Laboratory Summary of CLP Detected Compounds
Debris Removal - Claremont Polychemical Superfund Site

Location			Storm Water Pit 1	Storm Water Pit 4	Storm Water Pit 5
Matrix			Surface Water	Surface Water	Surface Water
Sample ID			CPC-00-SW-1000-001	CPC-00-SW-4000-001	CPC-00-SW-5000-001
Lab ID			B00L1/MB00L1	B00L2/MB00L2	B00L3/MB00L3
Date Collected			7/24/2003	7/24/2003	7/24/2003
	Units	**EPA MCLs**			
Detected Volatile Organic Compounds					
cis-1,2-dichloroethene	µg/L	70	0.48 J	ND	0.68
Tetrachloroethene	µg/L	5	2.1	0.53	4.3
Toluene	µg/L	1,000	ND	0.065 J	ND
Trichloroethene	µg/L	5	0.15 J	ND	0.53
Detected Semi-Volatile Organic Compounds					
bis (2-ethylhexyl) phthalate	µg/L	6	ND	ND	1.2 J
Diethylphthalate	µg/L	NS	0.089 J	ND	ND
Di-n-butylphthalate	µg/L	NS	1.1 JB	0.57 JB	0.68 JB
Detected Metals					
Arsenic	µg/L	10	**29**	**25**	ND
Calcium	µg/L	NS	15,000	23,000	14,000
Copper	µg/L	1,300*	79	130	55
Iron	µg/L	NS	ND	ND	300
Potassium	µg/L	NS	8,100	10,000	ND
Manganese	µg/L	NS	ND	22	29
Sodium	µg/L	NS	11,000	10,000	ND
Zinc	µg/L	NS	67	120	ND

Table 7. Storm Water Pits Sampling Laboratory Summary of CLP Detected Compounds
Debris Removal - Claremont Polychemical Superfund Site

Location			Storm Water Pit 1	Storm Water Pit 4	Storm Water Pit 5
Matrix			Sediment	Sediment	Sediment
Sample ID			CPC-00-SE-1000-001, 2	CPC-00-SE-4000-001, 2	CPC-00-SE-5000-001, 2
Lab ID			B00Q0/MB00L0	B00P9/MB00K9	B00P8/MB00K8
Date Collected			8/5/2003 and 7/24/2003	8/5/2003 and 7/24/2003	8/5/2003 and 7/24/2003
	Units	**New York Cleanup Objective****			
Detected Volatile Organic Compounds					
Acetone	µg/kg	200	**480**	160	30
Benzene	µg/kg	60	ND	2 J	ND
2-Butanone	µg/kg	300	120 JB	ND	ND
Carbon disulfide	µg/kg	2,700	8 J	ND	ND
cis-1,2-dichloroethene	µg/kg	NS	1000	650 D	2 J
Cyclohexane	µg/kg	NS	25 J	11 J	ND
Ethylbenzene	µg/kg	5,500	7 J	34 J	ND
Isopropylbenzene	µg/kg	NS	ND	170	ND
Methyl cyclohexane	µg/kg	NS	170	290	ND
Methylene chloride	µg/kg	100	31 JB	20 J	ND
Tetrachloroethene	µg/kg	1,400	75 J	250	ND
Toluene	µg/kg	1,500	240	530 D	ND
trans-1,2-dichloroethene	µg/kg	300	11 J	ND	ND
1,2,4-trichlorobenzene	µg/kg	3,400	ND	63	ND
Trichloroethene	µg/kg	700	280	45	1 J
Vinyl chloride	µg/kg	200	63 J	ND	ND
Xylene (total)	µg/kg	1,200	29 J	180	ND
Detected Semi-Volatile Organic Compounds					
Acetophenone	µg/kg	NS	130 J	17 J	5 J
Anthracene	µg/kg	50,000	ND	ND	2 J
Benzo(a) anthracene	µg/kg	224	31 J	ND	7 J
Benzo(a) pyrene	µg/kg	61	ND	ND	5 J
Benzo(b) fluoranthene	µg/kg	1,100	40 J	ND	9 J
Benzo (g,h,i) perylene	µg/kg	50,000	ND	ND	5 J
Benzo(k) fluoranthene	µg/kg	1,100	25 J	ND	5 J
bis (2-ethylhexyl) phthalate	µg/kg	50,000	1100	**730,000 D**	10,000 D
Chrysene	µg/kg	400	42 J	ND	8 J
Di-n-butylphthalate	µg/kg	8,100	16 J	ND	2 J
Di-n-octylphthalate	µg/kg	50,000	ND	22 J	ND
4,6-dinitro-2-methylphenol	µg/kg	NS	ND	ND	2 J
Fluoranthene	µg/kg	50,000	84 J	ND	13 J
Hexachlorocylcopentadiene	µg/kg	NS	ND	9 J	ND
Indeno (1,2,3-cd) pyrene	µg/kg	3,200	23 J	ND	5 J
Nitrobenzene	µg/kg	200	ND	6 J	ND
Phenanthrene	µg/kg	50,000	48 J	ND	9 J
Pyrene	µg/kg	50,000	60 J	10 J	11 J
Detected Metals					
Aluminum	mg/kg	SB	3,200 J	2,500 J	14,000 J
Arsenic	mg/kg	7.5	**9.3 J**	ND	4.7 J
Barium	mg/kg	300	270 J	120 J	120 J
Beryllium	mg/kg	0.16	ND	ND	**0.70 J**
Calcium	mg/kg	SB	53,000 J	28,000 J	5,100 J
Cadmium	mg/kg	SB	21 J	25 J	19 J
Cobalt	mg/kg	SB	20 J	ND	9.0 J
Chromium	mg/kg	10	**54 J**	**71 J**	**30 J**
Copper	mg/kg	25	**92,000 J**	**290,000 J**	**3,400 J**
Iron	mg/kg	2,000	**14,000 J**	**6,700 J**	**21,000 J**
Potassium	mg/kg	SB	2,100 J	ND	1,200 J
Magnesium	mg/kg	SB	2,000 J	ND	3,300 J
Manganese	mg/kg	SB	120 J	52 J	140 J
Mercury	mg/kg	0.1	**29 J**	ND	**49 J**
Nickel	mg/kg	13	**68 J**	**24 J**	**23 J**
Lead	mg/kg	SB	2,300 J	1,600 J	180 J
Selenium	mg/kg	2	**3.5 J**	ND	ND
Silver	mg/kg	SB	1.2 J	6.4 JL	ND
Sodium	mg/kg	SB	4,800 J	24,000 J	320 J
Vanadium	mg/kg	150	17 J	ND	35 J
Zinc	mg/kg	20	**9,800 J**	**64,000 J**	**510 J**

Note: All other CLP analytes were below the detection limit
*Copper action level is 1,300 µg/L
** New York State Department of Environmental Conservation TAGM 4046: Determination of Soil Cleanup Objectives and Levels
CLP - EPA Contract Program Laboratory
MCL - Maximum Contaminant Level
ND - Not detected above the reporting limit
Bold indicates in excess of regulatory limit
NS - No standard
SB - Site background
J - The associated value is an estimated quantity
B - Analyte found in the associated blank as well as in the sample
D - Diluted sample result
L - The reported value may be biased low. The actual value is expected to be greater than the reported value.

Table 8. Storm Water Pit 4 Sampling TCLP Laboratory Analytical Results
Debris Removal - Claremont Polychemical Superfund Site

Location		Storm Pit 4 Sediment
Sample ID		CPC-00-SD-4000-002
Lab ID		2415700001
Date Collected		7/24/2003
	EPA Regulatory Level* (mg/L)	
TCLP Metals (mg/L)		
Mercury, Total	0.2	ND
Arsenic, Total	5.0	ND
Barium, Total	100.0	0.278
Cadmium, Total	1.0	ND
Chromium, Total	5.0	ND
Lead, Total	5.0	0.181
Selenium, Total	1.0	ND
Silver, Total	5.0	ND

*EPA Regulatory Levels 40 CFR 261.24
ND - Not detected above the reporting limit

Table 9. RW-01 Sampling Laboratory Summary of CLP Detected Compounds
Debris Removal - Claremont Polychemical Superfund Site

Location			RW-01
Sample ID			CPC-00-GW-RW01-006
Lab ID			B00K7/MB00k7
Date Collected			7/24/2003
	Units	**EPA MCLs**	
Detected Volatile Organic Compounds			
cis-1,2-dichloroethene	µg/L	70	0.9
Cyclohexane	µg/L	NS	0.45 J
Ethylbenzene	µg/L	700	0.051 J
Methylcyclohexane	µg/L	NS	0.26 J
Tetrachloroethene	µg/L	5	0.19 J
Trichloroethene	µg/L	5	0.68
Toluene	µg/L	1,000	0.055 J
Xylene (total)	µg/L	10,000	0.072 J
Detected Semi-Volatile Organic Compounds			
Bis (2-ethylhexyl) phthalate	µg/L	6	5.3
Di-n-butylphthalate	µg/L	NS	0.60 JB
Detected Metals			
Calcium	µg/L	NS	53,000
Copper	µg/L	1,300*	52
Iron	µg/L	NS	13,000
Potassium	µg/L	NS	19,000
Magnesium	µg/L	NS	15,000
Manganese	µg/L	NS	770
Sodium	µg/L	NS	420,000

Note: All other CLP analytes were below the detection limit
CLP - EPA Contract Program Laboratory
MCL - Maximum Contaminant Level
ND - Not detected above the reporting limit
NS - No standard
J - The associated value is an estimated quantity
B - Analyte found in the associated blank as well as in the sample
*Copper action level is 1,300 µg/L

APPENDIX A

Debris Removal Technical Specification and Related Documents

MEMORANDUM

To: Mellisa Cunkle

From: Dick Cronce

Re: Clarifications on Debris Removal, Claremont Facility, Old Bethpage, NY

Date: April 3, 2003

Science Applications International Corporation (SAIC) hosted a pre bid meeting at the Claremont site on March 31, 2003. The purpose of the pre bid was to invite the potential bidders to evaluate site conditions and request clarification regarding information in the Request for Proposal (RFP) Number 65—04RFPDC-286. Those attending the pre bid are provided in Table 1.

Name	Company	Telephone No
John Trotta	Blue Water	631-249-1872
Chris Sandberg	Peter Scalamandre & Sons	516-868-3000
Joe Scalamandre	Peter Scalamandre & Sons	516-868-3000
Kevin Orelli	Noresco Ltd.	631-549-5038
Ralph Pautony	Action Remediation	516-781-3000
Lou Te Rosa	Action Remediation	516-781-3000
Peter McCaskey	G&M Trucking	

Dick Cronce, SAIC Program Manager directed the meeting. Mr. Peter McCaskey of G&M Trucking visited the site on Tuesday 4/1/03, and was accompanied by Mr. Bob Burns, SAIC Site Supervisor. Mr. Mc Caskey was allowed to visit the site at the non scheduled time in consideration of circumstances not allowing him to attend the meeting at the regularly scheduled time, with the understanding that due to his late arrival he lost the opportunity to solicit input from the Program Manager, and all bids remain due on or before 2:00 PM on April 4, 2003.

Further clarifications of the RFP and bid specification in response to questions raised during the site pre bid meeting are provided below:

Q: What is the required amount of the performance bond, and in what format will it be provided?
A: The performance bond needs to be for an amount not less than 10 percent of the total bid price based on the assumed unit quantities. The selected bidder will submit the bond on their own company's standard forms.

Q: What material will be allowed to remain on site?
A: As observed during the site walk, the debris piles consist of a very heterogeneous mixture of concrete, rocks, fines, organic material, and lesser amounts of miscellaneous waste (tires, plastics, logs). It is the preference of this project to minimize the amount of material transported off-site, processing fines to the extent possible for use as on-site fill. All materials greater than 6 inches in length in the longest dimension will be transported off-site for disposal or recycling. Materials transported off site will not contain more than 10 by volume of materials less than 6 inches in length in the longest dimension. The SAIC oversight engineer will make the final decision on any questions regarding the size and percentage of fines in the debris, and the related decision of whether any materials must stay on site or must be removed from the site. The bidders described approach for achieving this goal as provided with the bid response will be a important criteria for selection.

Q: There is a large amount of decomposed organic material comprising the largest pile on the site. How can this material be used on site?
A: All organic and wood material greater than 6 inches in the longest dimension is required to be removed from the site. Fine sized organic material can be admixed into non-organic fines at a rate not exceeding approximately 30% by volume, with this mixture not comprising more than the upper 1.5 ft of the final grade. This will allow for discing or rototilling of up to 6 inches of organic fines into the upper 1 ft of the final surface of the site. The upper 6 inches of the reultant surface soil must meet the requirements of Section 02930, Revegetation. The bidders described approach and strategy for management of this material to minimize cost to the client will be a important criteria for selection.

Q: What will be considered the base grade for the removal?
A: It is the intention of this project to remove only debris present near, at, or above the base of the debris. This will require handling of fines also residing at or above the base of the debris. The apparent base of the debris will be determined as part of the upcoming debris sampling and characterization, and these base grade elevations across the area will be provided to the selected contractor. There will be no removal of any materials from below the established base grade elevations without the specific approval of the oversight engineer. Approval will be given if necessary to complete the debris removal in localized areas.

Q: An unknown quantity, but expected to be limited amount of tires, crushed drums, and other miscellaneous waste are present at the site. What will be done with materials not allowed to be disposed of as clean fill or construction demolition waste?
A: These materials are to be segregated from material able to be removed from the site, or able to be used as on-site fill, and stockpiled in a single area for handling by others. The area for stockpiling will be approved by the site engineer

Q: What health and safety monitoring will be conducted?
A: The site engineer will monitor materials being removed from the site, and the atmosphere within the work zone, for evidence for any constituents of concern. Copies

of all health and safety monitoring records will be kept on site and will be available on request by the subcontractor.

Q: What is the required frequency for analysi for any topsoil required to be brought on to the site?
A: At least one analysis per 1000 yd^3.

Q: How will the amount of material able to be handled or processed so as to remain on-site be determined?
A: As clarified above, unless specifically approved by the oversight engineer, unit rate payment will be made for handling of only those fines originating from above the predetermined base grade. SAIC proposes that all fines separated for use as on-site fill will be temporarily stockpiled in an area of known base grade for determination of the volume by engineering survey. Engineering survey of all stockpiles will be performed at least weekly, or whenever the amount of material in the stockpile becomes a hindrance to the progress of site work. Following determination of the volume of stockpiled soil, the soil will be graded into the site in a manner that prevents rehandling, and provided protection in accordance with the site erosion and sediment control plan. The bidder is invited to present an alternate means of determining the volume of fines associated with the debris and managed in a fashion to be able to be retained on-site. A second option for consideration would be to calculate the total volume of fines retained on-site based on a comparison of a final site engineering survey to the pre-removal base grade determination, minus the volume of any top soil delivered to the site. The bidders described approach and strategy for management and determination of the volumes of fine materials handled for use as on-site fill will be a important criteria for selection.

Q: Would it be possible to route the access road around the other side of the building, thus avoiding the movement of the fencing?
A: The objective of the access road is to avoid problems with mud, dust, or debris, and to increase the site value by leaving a serviceable road following the removal of the debris. The bidder is to provide a cost for installation of the access road as specified in the bid specification. The subcontractor will be responsible for relocation of the existing fence to allow for the construction of the road. The gate at the north end of the compound may be eliminated to facilitate the movement of the fence. An alternate route and means of construction of the access road may be offered if the bidder believes this will provide value engineering to the client. Acceptance of any alternate approach to the construction, management, or final disposition of the access road will be the decision of the site engineer.

Additional Clarifications and Amendments:

1. Based on the site walk it appeared that the estimated quantities as shown on Table BF-1 of the RFP were not accurate. Although it is impossible to accurately determine the relative anticipated quantities of materials, the anticipated weight of debris has been decreased from 20,000 ton to 10,000 ton, and the anticipated volume of fines used as on-

site clean fill has been increased from 500 yd^3 to 10,000 yd^3. These revised quantities become the basis for the bid.

END OF CLARIFICATIONS

ATTACHMENT I
STATEMENT OF WORK
DEBRIS REMOVAL AND SITE RESTORATION
CLAREMONT POLYCHEMICAL SITE, OLD BETHPAGE NEW YORK
MARCH 2003

PART 1 - GENERAL

1.01 WORK COVERED

A. The project requires the removal and off-site disposal, or recycling if appropriate, of approximately 15,000 yd^3 of incidental debris located the Claremont Polychemical site in Old Bethpage, New York. Fine textured materials associated with the waste may be separated and used as on-site fill or graded into the site, as appropriate based on the characteristics of these materials. Figure 1 provides the site and construction location. The debris occurs in numerous above ground piles within an approximately 250 ft by 250 ft area in the northeast corner of the site. The general location of the debris is shown on Figure 3.

SAIC is performing this work under contract with the U.S. Army Corps of Engineers (USACE), Kansas City District in support of construction completion associated with closure of the soils OU-1 component of the Claremont Polychemical Superfund action. USACE is supporting The United States Environmental Protection Agency (USEPA) in this effort. USEPA has determined that this debris, and those parts of the site involved in this debris removal, is uncontaminated. Therefore, this work will be conducted in compliance with USACE Safety and Health Requirements manual (EM 385-1-1), and 29 CFR 1926 Safety and Health Regulations for Construction. All activities will be performed in accordance with a site-specific Health and Safety Plan (HASP), to be provided by the Contractor and approved by the Engineer prior to commencement of on-site activities.

The cleanup activities include site preparations to include construction of an unpaved site access road; implementation of erosion and sedimentation controls; site clearing and grubbing; segregation and on-site processing of debris for use as on-site fill if appropriate; loading, transportation, and off-site disposal, or off-site recycling of debris as appropriate; and site grading and revegetation.

Based on its source, the debris will be classified and handled as a non-hazardous, construction and demolition waste, or clean fill, based on its specific characteristics. An estimated total of 15,000 cubic yards of debris will be managed for use as on-site fill, transported off-site for disposal as construction and demolition waste, or as clean fill, or transported off-site for recycling, as appropriate. Additional sampling and

analysis of the debris will be completed by others and these results provided to the contractor before the commencement of work.

Disposal of debris is intended to be at 110 Sand Company, located in Farmington, NY. However, alternate facilities may be proposed.

Following debris removal, all disturbed areas shall be graded and vegetated. All impacted and disturbed areas of the site shall be fertilized, seeded, and mulched prior to site demobilization in accordance with the contract specifications.

A brief narrative description of the site work describing the Contractor's strategy for completing the work generally, and for managing the debris for on-site and off-site disposal or recycling, specifically, should be provided with the Contractor's Bid. In addition, a preliminary chart-type schedule is requested with your Bid to layout the projected work activities. This brief narrative and schedule, in addition to the unbound Bid Form pages which were attached with your Bid request packet are the only submittals needed for the Bid due date.

B. The principal items of work for this Contract are listed below:

1. Mobilization and Demobilization.

2. Installation and Maintenance of Access Road, Existing Road, and Site Entrance.

3. Installation and Maintenance of Erosion and Sedimentation Control Measures, and Site Security Fencing.

4. Clearing and grubbing of existing vegetation from the debris area.

5. Loading, transportation, and off-site disposal of debris

6. Segregation, processing, and stockpiling of debris related fines for use as on-site clean fill.

7. Processing (as necessary), loading, transportation, and off-site recycling of concrete.

8. Decontamination and cleaning of equipment.

9. Delivery, placement and grading of topsoil as necessary to support site revegetation.

10. Site recontouring, compaction, and regrading.

11. Site stabilization and revegetation.

12. All additional activities such as maintenance of the access road and site entrance from Winding road, dust control, weighing of trucks, cleaning of trucks and equipment as necessary to control dirt and debris on the public roadways, and maintenance of erosion and sedimentation control structures C required to perform the above tasks.

13. A performance bond is required as part of this job.

SECTION 01030

JOB CONDITIONS

PART 1 - GENERAL

1.01 LAYOUT OF WORK

A. The Contractor shall lay out the work and shall be held responsible for all measurements in connection therewith (also refer to Section 01010, Summary of Work). The Contractor shall furnish, at his own expense, all stakes, templates, platforms, equipment, tools, and materials and labor as may be required in laying out any part of the work. The Contractor will be held responsible for the execution of the work to such lines and grades as may be established or indicated by the Engineer. It shall be the responsibility of the Contractor to maintain and preserve all stakes and other marks established by the Engineer until authorized to remove them. If such marks are destroyed by the Contractor or through his negligence prior to their authorized removal, the Contractor shall replace them at its own cost; if the Contractor fails to do so, they may be replaced by the Engineer at his discretion. The expense of replacement will be then deducted from any amounts due or to become due the Contractor.

B. Plan and perform the work so as not to interfere with or impede ongoing site operations. Submit to Engineer, prior to commencing Work- proposed Work Schedule, days and hours for Engineers review and approval.

C. Contractor must use the designated access, storage, parking, working, and other areas shown in the work plan. Comply with Engineer's requirements for use of the premises and existing buildings and facilities. The Contractor will be permitted to use portions of the existing unoccupied building as designated by the Engineer. Contractor acknowledges that the unoccupied building is unsecured. Provision will also be made for storage of materials inside of the interior fenced area. The contractor will be provided with use of the sanitary facilities within the groundwater treatment plant.

D. Plan to disturb as limited an area as possible. Restrict work areas and equipment to within the permanent fenced area.

1.02 PHYSICAL DATA

A. Data and information furnished or referred to below is for the Contractor's information. The Engineer shall not be responsible for any interpretation or conclusion drawn by the Contractor from the data or information.

1. The physical conditions of the debris and site as indicated in the specifications are the result of previous site investigations.

2. Debris characteristics are based on site knowledge. Debris will be sampled and analyzed by others for final waste characterization, and the results will be provided to the Contractor prior to site mobilization.

1.03 REGULATORY REQUIREMENTS

A. The Contractor shall notify the New York One-Call System, Inc. prior to any excavation activities at the site. Records of utility clearances or utility interferences shall be retained by the Contractor.

B. Debris and other waste materials will be classified as a construction and demolition, or clean fill in accordance with New York State Department of Environmental Conservation regulations.

C. Contractor shall comply with all applicable waste hauling and disposal laws and regulations. All registrations, certifications, and licenses regarding waste hauling must be current.

D. Contractor shall comply with weight restriction and all other requirements of the New York State Department of Transportation for the roads along the travel path.

F. Contractor shall comply with all local municipality and Nassau County Ordinances.

1.04 UTILITIES

A. Electric and Water: Contractor shall be permitted reasonable use of electricity and water without charge, provided Contractor exercises reasonable conservation and care in avoiding waste. It shall be the responsibility of the Contractor to provide hookup to all utilities he may require during the entire life of the Contract. He shall make his own investigation and determinations as to the availability and adequacy of utilities for his use for all site construction and maintenance purposes and domestic consumption. He shall install and maintain all necessary supply lines, connections, piping, outlets, and meters if required, but only at such locations and in such manner as approved by the Engineer. Before final acceptance of work under this Contract, all temporary supply lines, connections and piping installed by the Contractor shall be removed by him in a manner satisfactory to the Engineer.

B. Telephone: Contractor shall provide own telephone service and connection. Incidental use of the telephone in the groundwater treatment plant will be provided to the Contractor. Incidental use is defined as 3 calls or less per day, lasting a total of 30 minutes.

C. Interruption of Utilities:

1. No utility services shall be interrupted by the Contractor to make connections, to relocate, or for any purpose without prior approval of the Engineer.

2. Request for permission to shut down services shall be submitted in writing to the Engineer not less than ten (10) days prior to date of proposed interruption. The request shall give the following information:

   a. Nature of Utility (natural gas, L.P., water, sewer, etc.).
   b. Size of line and location of shutoff.
   c. Buildings and services affected.
   d. Hours and date of shutoff.
   e. Estimated length of time service will be interrupted.

3. Services will not be shut off until receipt of approval of the proposed hours and date from the Engineer.

4. Shutoffs which will cause interruption of existing work operations as determined by the Engineer shall be accomplished during regular non-work hours or on

non-work days of the building occupant without any additional cost to the Owner.

5. Operation of valves on any site water mains will be by the Engineer's Representative.

1.05 MEASUREMENT AND PAYMENT

A. No separate measurement and payment will be made for work performed in this Section 01030, Job Conditions, specified herein, and all costs in connection therewith shall be considered a subsidiary obligation of the Contractor, and shall be included in the overall cost of individual payment items.

END OF SECTION

SECTION 01100

CONTRACTOR HEALTH AND SAFETY PLAN

PART 1 - GENERAL

1.01 SUMMARY

A. Contractor shall develop and submit a Contractor Health and Safety Plan (CHASP) using information provided in this section. The CHASP will be designed to identify health and safety considerations when performing the work as described in the contract specifications.

B. Contractor shall plan for, and ensure that all personnel comply with the basic provisions of the USACE Safety and Health Requirements Manual (EM-385-1-1), and Construction Standards (29 CFR 1926). The responsibility for the development, implementation, and enforcement of the health and safety requirements lies solely with the Contractor. The Contractor shall take all necessary precautions for the safety of, and provide the necessary protection to prevent damage, injury, or loss to:

1. All personnel on the work site.

2. All the work and all materials or equipment to be incorporated in the work area, whether on or off the site.

3. Other property and waterways at or adjacent to the project site.

4. The general public on or off the work site when hazards are created by the Contractor's operations. Of particular note in this regard is the presence of an equestrian riding academy located adjacent to the site access road. Consideration must be given to not create any hazard to riders or horses.

C. Site operations under this Contract require work in an environment where physical hazards may occur. Contractor shall provide adequate protection for all personnel on-site. Contractor shall prepare a CHASP for all personnel working or visiting the site. Specific details of the minimum requirements of the CHASP are established herein.

D. The Contractor will be required to submit a Spill and Discharge Control Plan with the CHASP. Planning is required to effectively contain, treat, and remove any

hazardous materials which could potentially spill during the transportation of the excavation material on-site or along the transport route.

1.02 FORMAT OF THE CHASP

A. Contractor shall develop a CHASP in the format specified below, addressing, at a minimum, all the items specified herein. Contractor shall require any employee or subcontractor personnel working at the site to read the CHASP, and sign the acknowledgement page signifying agreement to abide by the CHASP.

B. The format of the CHASP shall be as follows:

1. Introduction.
2. Section A - Key Personnel and Alternates.
3. Section B - Job Tasks or Operations, Related Health and Safety Hazards, and Hazard Avoidance and Means of Worker Protection, and Health Analysis.
4. Section C - Employee Training (provide copies of training records for personnel working at the site).
5. Section D - Personal Protective Equipment.
6. Section E – Worker and Site Monitoring Requirements.
7. Section F - Site Security and Control.
8. Section G - Decontamination - Equipment and Personnel.
9. Section H - Standard Operating Procedures, Record keeping, and Reporting.
10. Section I - Contingency Plan.
11. Section J - Spill and Discharge Control Plan.

1.03 MEASUREMENT AND PAYMENT

A. No separate measurement and payment will be made for work performed in this Section 01100, Contractor Health and Safety Plan, specified herein, and all costs in

connection therewith shall be included with the lump sum price for Bid Item No. 1, Mobilization and Demobilization, as provided on the contract Bid Form.

END OF SECTION

SECTION 01300

SUBMITTAL DESCRIPTION

PART 1 - GENERAL

1.01 SUMMARY

A. The submittals described below are those required and further described in other sections of the Specifications. Other requirements pertaining to submittals are included in the respective technical sections of the Contract Documents. Submittals required by non-technical parts of the contract are not included in this section.

1.02 CONTRACTOR HEALTH AND SAFETY PLAN

A. Contractor shall submit three (3) copies of a Contractor Health and Safety Plan (CHASP), as described in Section 01100, for review by the Engineer within ten (10) calendar days following Notice of Award, and before starting any on-site work duties.

1.03 PROJECT SCHEDULE AND MEETINGS

A. Detailed project schedule showing all work activities and completion times on a weekly basis.

B. A pre-construction meeting, progress meetings, and daily health and safety meetings shall be conducted as specified in the Invitation for Bids and as necessary to complete the work. The project schedule shall show all expected meetings.

1.04 WASTE DOCUMENTATION

A. Examples of waste documentation shall be provided to the Engineer as follows:

1. An example manifest and/or shipping papers for each waste type for approval prior to off-site shipments.

2. An example waste tracking form shall also be provided to the Engineer for approval prior to commencing site work.

B. Submittals: As soon as available, and prior to release of the performance bond, deliver project documentation to the Engineer, with transmittal letter containing the following:

1. Date.

2. Project title and project number.

3. Contractor's name and address.

4. Waste shipment tracking forms, including identification of each waste transport; vehicle type; identification number; manifest number; waste type; quantity; arrival date; departure date; treatment, storage, and disposal destination; and final disposal destination (if different).

5. Copies of all waste manifests, weight slips, any post-treatment analytical results, certificates of treatment/disposal of all waste materials, and final destination location including x, y, and z coordinates of all landfilled wastes.

1.05 BOND

A. A performance bond of a form acceptable to the Engineer to assure successful and satisfactory completion of the work.

1.06 DRAWINGS

A. None required.

1.07 ANALYTICAL REPORTS

A. Contractor shall provide analytical reports or test results for Engineer approval for the following:

1. Laboratory analysis of imported topsoil to confirm clean in accordance with NYSDEC standards, as specified in Section 02930. Revegetation.

2. Laboratory analysis or other manufacturer's documentation of lime demonstrating calcium carbonate equivalent (CCE). as specified in Section 02930.

3. Laboratory analysis or other manufacturer's documentation of fertilizer demonstrating nitrogen (N), phosphate (P_2O_5), and potash (K_20) content.

6. Analysis or other manufacturer's documentation of seed mixture showing percentage of seeding, year of production, net weight, date of packaging, and location of packaging, as specified in Section 02930.

B. Contractor may provide analytical reports for lime and fertilizer requirements for on-site and imported topsoil in lieu of recommend default lime and fertilizer application rates, as specified in Section 02930, Revegetation.

1.08 SAMPLES

A. Contractor shall provide any samples, including both fabricated and non-fabricated physical examples of materials, products, and units of work as complete units or as portions of units of work, as requested by Engineer.

1.09 MEASUREMENT AND PAYMENT

A. Costs for all submittals, with the exception of the performance bond, shall be included in respective bit item prices.

B. Costs for obtaining and performing necessary analyses shall be included in respective bid item prices.

C. Payment for acquiring a performance bond as specified in Section 1.05 shall be made as a lump sum as itemized under Bid Item No. 13.

END OF SECTION

SECTION 01350

MOBILIZATION AND DEMOBILIZATION

PART 1 - GENERAL

1.01 SCOPE OF WORK

A. Mobilization:

1. Mobilization shall include delivering and assembling all equipment required to complete the work described herein and to comply with the Contract Documents and local, state, and federal laws and regulations. Equipment includes heavy equipment, and other items required to perform all work incidental to the work included as part of other bid items.

2. The Contractor shall be responsible for supplying all materials needed to complete the work described herein and to comply with the Contract Documents.

3. The Contractor shall identify, locate, and protect any existing utilities and limits of the property.

4. Existing sanitary facilities will be made available for use during normal working hours. Potable water is available from hose connections at the groundwater treatment facility.

B. Demobilization

1. Demobilization shall consist of cleaning and removal of equipment, trailers, utilities, unused materials, and other facilities that have been mobilized to the site to complete the work. The Contractor shall repair and/or restore all areas of the site, existing facilities, or utilities which are impacted from site work.

1.02 MEASUREMENT AND PAYMENT

A. Payment will be made for work performed in this Section 01350, Mobilization and Demobilization, specified herein, as a lump sum as itemized under Bid Item No. 1, Mobilization/Demobilization, of the Contract Bid Form.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

3.01 MOBILIZATION

A. The plant, offices, buildings, and necessary facilities shall be established in accordance with the Contract Specifications.

3.02 DEMOBILIZATION

A. All equipment which comes in contact with residue or debris shall be decontaminated. Any soil or sediment attached to such equipment shall be washed off prior to the equipment leaving the site. Soil and water generated as a result of final decontamination shall be properly managed to avoid off-site migration, or adverse impacts to the site surface and facilities.

B. All equipment, supplies, construction trailers, utilities, and other facilities mobilized at the site to complete the work shall be demobilized and transported off-site. Transportation of equipment and materials off-site shall be in accordance with all applicable federal, state, and local regulations.

END OF SECTION

SECTION 01500

CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

PART 1 - GENERAL

1.01 RELATED SECTIONS

A. Section 01030 - Job Conditions

B. Section 02270 - Erosion and Sedimentation Control

1.02 TEMPORARY FACILITIES

A. Sanitary Facilities:

1. Existing sanitary facilities in the groundwater treatment plant will be available for use during normal working hours. The contractor shall be responsible for maintaining these facilities in a clean and orderly condition.

B. Field Office:

1. The Contractor will be permitted to utilize the existing groundwater treatment plant operating room for incidental office and administrative work. One table or desk will be made available, along with limited filing space. A copy machine will be available for making a limited number of copies (maximum 25 copies per day) associated with on-site work. It will be the responsibility of the Contractor to install an office facility if additional space or facilities is required.

2. The Engineer's field office may be used for daily safety and other project meetings.

1.03 BARRIERS

A. Contractor shall provide temporary fencing or barriers, as necessary, to prevent unauthorized entry to the debris removal site, allow for Engineer's use of site, and to protect existing facilities and structures.

B. Contractor shall protect tenant vehicular traffic, stored materials, non-work areas of the site, and structures from damage.

1.04 SECURITY AND FENCING

A. Contractor shall provide security and temporary fencing around the access road and debris removal and processing areas to protect workers or others from unauthorized entry.

B. Contractor shall coordinate with Engineer's security program. Both the main entrance to the site, and the entrance to the internal treatment plant compound, are gated and locked during non-normal working hours. Arrangements with the on-site supervisor will be required for after hours access of the site and use of any site facilities or utilities.

1.05 ACCESS ROADS AND STAGING AREAS

A. Contractor shall construct and maintain an access road and staging area to serve the debris removal area. The road will be of a width and load-bearing capacity to provide unimpeded traffic for debris loading and removal purposes. The road will be constructed in accordance with the specifications set forth in Part B hereof. Contractor shall prevent roadways and staging areas from contact with debris by employing the use of equipment decontamination, polyethylene sheeting, or other approved methods.

B. Temporary access road and loading area will be constructed in the general area as shown on Figure 3. A one lane, minimum 12 ft wide, cartway will be constructed as follows:

Move the fence

1. The upper 6 inches of native soil will be removed, and the subsoil scarified to the tooth depth of the machine (approx. 4 inches).

2. Appropriate separation geotextile meeting the specification of will be installed and keyed in 18 inches deep and two feet beyond the edge of the road.

3. Aggregate material meeting the specification will be emplaced in 2 lifts, compacted to provide a crown of 6 inches above original grade along the center line of the cartway, and graded outward into the existing surface.

The Contractor may propose an alternate design for the access road. Any alternate to the above construction design will require approval by the Engineer. The contractor will maintain the surface and grade of the access road to avoid the accumulation of fines and to provide for drainage of surface water off of the roadway throughout the duration of the debris removal.

C. Contractor shall maintain access to fire hydrants, free of obstructions.

D. Contractor shall provide means of removing mud from vehicle wheels, if necessary, before entering the existing on-site road and local streets.

Moving the fence

E. Designated existing on-site roads may be used for construction traffic. Contractor will be responsible for maintenance of existing on-site roadways utilized for support of this debris removal. This will include those portions of the road outside of the groundwater treatment plant compound. Maintenance will include keeping roadways free of soil or debris associated with the debris removal, and repair of roadways to maintain service to the current site facilities.

F. Contractor shall provide unimpeded access to the groundwater treatment facility compound, and for emergency vehicles.

G. Contractor shall refer to site plan (Figure 3) drawing for the access road layout. Variance from this must be submitted five (5) days after Notice to Proceed for Engineer's approval.

1.06 PARKING

A. Parking areas to accommodate construction personnel will be designated by the Owner's representative prior to beginning site activities.

1.07 WATER CONTROL

A. Contractor shall grade and protect site as necessary to maintain work areas free of standing water. If groundwater or precipitation collects in the work area, Contractor shall work in a manner to avoid or minimize the need to remove any water. The Contractor shall avoid contact of debris materials with any standing water, if present. Contractor shall notify and receive approval from the Engineer prior to pumping of or impoundment of any surface water.

1.08 EROSION AND SEDIMENTATION CONTROL

A. Contractor shall provide erosion and sedimentation control measures in accordance with Section 02270, Erosion and Sedimentation Control.

1.09 DECONTAMINATION

A. Contractor shall decontaminate construction equipment prior to removal from the site. Decontamination will include brushing, washing with water, or other appropriate means to remove adhered soil and debris. Equipment will be cleaned to the extent necessary to avoid carrying of any soil and debris onto site and local municipal roadways.

1.10 HOUSEKEEPING

A. Contractor shall maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition.

B. Contractor shall remove miscellaneous debris and rubbish associated with on-site work activities at the end of each working day and properly dispose off-site.

C. All supplies and tools not in use shall be stored or placed away from the active work area.

1.11 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS

A. Contractor shall remove temporary facilities (other than down-slope silt fence), including any equipment and supply structures, trailer, equipment, or stored materials prior to final inspection. The site access road will not be removed at the end of the project. The site access road will be repaired to leave the road in a sound and serviceable condition upon demobilization from the site.

1.12 TRAFFIC REGULATIONS

A. Permits and Approvals: Contractor shall obtain all necessary permits and approvals from the local, state, or other applicable municipality, if required.

B. Contractor shall maintain and protect traffic as required by the local, state, or other applicable municipality.

C. Contractor shall maintain and protect traffic within the facility property boundary. Contractor shall provide a truck schedule for coordination with neighboring tenants.

Of particular importance is coordination with the neighboring equestrian riding academy in consideration of normal activities.

1.13 MEASUREMENT AND PAYMENT

A. Providing construction facilities and temporary controls, including but not limited to those contained in this Section 01500, except for Erosion and Sedimentation Control, will be measured on a lump sum basis and payment will be made on a lump sum basis as itemized under Bid Item No. 1, Mobilization and Demobilization, of the Contract Bid Form.

B. Measurement and payment for erosion and sedimentation control is set forth in Section 02270, Erosion and Sedimentation Control.

C. Construction and maintenance of the site access road leading from the existing roadway to the debris area, maintenance and control of the site entrance, and maintenance of existing roadways will be measured on a lump sum basis and payment will be made on a lump sum basis as itemized under Bid Item No. 2, of the Contract Bid Form.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Crushed Stone or Aggregate:

1. Clean, hard, composed of durable minerals and free from organic matter, clay balls, soft substances, and other deleterious matter affecting its free-draining properties.

2. Size and Gradation: American Association of State Highway and Transportation Officials No. 57.

B. Geotextile:

1. Meet or exceed the following specifications: GRAB Tensile = 290; Mullen Burst = 500; Permeability = 0.1 cm/sec; AOS = 70; Vertical Water Flow = 60; Trapezoidal Tension = 100; Puncture Strength = 120.

C. Temporary Construction Fence:

1. High visibility, orange plastic net fence, or equivalent.

PART 3 - EXECUTION

Not Used

END OF SECTION

SECTION 01561

ENVIRONMENTAL PROTECTION

PART 1 - GENERAL

1.01 ENVIRONMENTAL PROTECTION

A. The Contractor shall furnish all labor, materials, and equipment, and perform all necessary Work required to prevent environmental pollution during, and as a result of debris removal and revegetation operations under this Contract, including those measures discussed further in the Technical Provisions of this Specification. For the purpose of this Specification, environmental pollution is defined as the presence of chemical, physical, or biological elements or agents which adversely affect human health or welfare; unfavorably alter ecological balances of importance to human life; or affect other species of importance to man.

B. In the event of an uncontrolled spill of fuel or other hazardous materials, it is imperative to contain the spill and limit the environmental exposure. Cleanup procedures must be performed in a methodical but timely manner, which will limit the time of exposure but also insure against further accidental spillage of material. Engineer will not be responsible for costs associated with the cleanup of spills for which the Contractor is responsible.

C. Contractor will be required to have on-site the means and facilities necessary to prevent the contamination of soils or water caused by the discharge of potentially hazardous materials due to a transportation incident.

1.02 APPLICABLE REGULATIONS

A. The Contractor and his subcontractors in the performance of this Contract, shall comply with all applicable federal, state, and local laws, and regulations concerning environmental pollution control and abatement in effect on the date of solicitation, as well as the specific requirements stated elsewhere in the Contract Specifications.

1.03 NOTIFICATION

A. In case of a spill, accident, or other type of reportable incident involving fuel, oil, or other hazardous substances, or which requires a notification to any government agency, Contractor shall notify the Engineer, both verbally and in writing, immediately following such incident.

B. The Engineer will notify the Contractor of any non-compliance with the foregoing provisions and the action to be taken. The Contractor shall, after receipt of such notice, immediately take corrective action. If the Contractor fails or refuses to comply promptly, the Engineer may issue an order stopping all or part of the Work until satisfactory corrective action has been taken. No part of time lost due to any such stop order shall be made the subject of a claim for extension of time or for excess costs or damages by the Contractor unless it is later determined that the Contractor was in compliance.

1.04 PROTECTION OF WATER RESOURCES

A. The Contractor shall not pollute any waters with fuels, oils, bitumens, calcium chloride, construction wastes, or other harmful materials. All work under this Contract shall be performed in such a manner that objectionable conditions (i.e., siltation) will not be created in streams through, adjacent to, or downstream of the project area as a result of site work.

1.05 EROSION AND SEDIMENTATION CONTROL

A. The Contractor shall accomplish erosion and sedimentation control in accordance with Section 02270, Erosion and Sedimentation Control.

1.06 DECONTAMINATION

A. The Contractor shall accomplish decontamination of personnel and all construction and related equipment, and properly dispose of decontamination liquids and solids, in accordance with Section 02100. Off-Site Transportation and Disposal.

1.07 BURNING

A. Burning of materials will not be permitted on the site.

1.08 DUST CONTROL

A. The Contractor shall maintain all work areas free from dust which would contribute to air pollution. Approved temporary methods of stabilization, consisting of water sprinkling, will be permitted to control dust. Dust control shall be performed as the work proceeds and whenever a dust nuisance or hazard occurs.

1.09 PROTECTION OF LAND RESOURCES

A. General: It is intended that the land resources within the project boundaries and outside the limits of permanent work performed under this contract be preserved in their present condition or be restored to a condition after completion of construction that will appear to be natural and not detract from the appearance of the project. Insofar as possible, the Contractor shall confine his construction activities to areas defined by the plans and specifications.

1.10 MEASUREMENT AND PAYMENT

A. No separate measurement and payment will be made for work performed in this Section 01561, Environmental Protection, specified herein, and all costs in connection therewith shall be considered a subsidiary obligation of the Contractor, and shall be included in the overall cost of individual payment items.

END OF SECTION

SECTION 02100

OFF-SITE TRANSPORTATION AND DISPOSAL

PART 1 - GENERAL

1.01 SECTION SUMMARY

A. The work specified hereunder in this section shall involve loading transportation and off-site disposal or recycling as construction and demolition debris or clean fill according to the type of material. Unit pricing is to be provided for both off-site disposal and off-site recycling.

B. The Contractor shall ensure that all operations in the loading and hauling of waste materials are in compliance with all local, state, and federal requirements.

1.02 RELATED SECTIONS

A. Debris will be sampled and characterized by the Engineer, and results provided to the Contractor for off-site transportation and disposal or recycling of the debris.

1.03 DESCRIPTION OF WASTE TYPES

A. Non-recyclable, and recyclable Construction and Demolition concrete and debris will be generated by site activities. These materials will be segregated and disposed of off-site to one or more facilities, to be identified on Table BF-1 of the Contract Bid Form.

B. Various solids including mulch-like material and wood chips will be handled as either Construction and Demolition debris, or as clean fill, based on the properties of the materials.

C. The USEPA will be responsible for final determination of the classification of all materials, with determination provided to the Contractor by the Engineer.

1.04 APPLICABLE REGULATIONS

A. Waste material transportation regulations shall include, but not be limited to, the following:

1. United States DOT Regulation, 49 CFR 171 through 179.

2. EPA, 1986, ADrum Handling Practices at Hazardous Waste Sites, EPA/600/2-86/013.

3. Federal Resource Conservation and Recovery Act, as amended.

4. DOT Regulations applicable to method of transport.

5. EPA: 40 CFR 263 (48 FR 14153).

6. Occupational Safety and Health Administration Standards (29 CFR 1904, 1910, and 1926).

7. Posted weight limitations on roads and bridges.

8. EPA: 40 CFR 300.440 (55 FR 49200 October 22, 1993).

9. All applicable State of New York regulations, including 6 NYCRR Part 360, Solid Waste Management Facilities.

1.05 MEASUREMENT AND PAYMENT

A. Measurement and payment for all necessary screening or segregation of debris related fines for use as on-site fill will be based on a unit rate, as provided in Item 6 of the Contract Bid Form.

B. Measurement and payment for loading, transportation, and disposal of debris at a clean fill, or Construction and Demolition Debris landfill will be made for work performed in this Section 02100, Off-Site Transportation and Disposal, specified herein, based on unit pricing as provided in Item 5 of the Contract Bid Form.

C. Measurement and payment for loading, transportation, and recycling of clean concrete will be made for work performed in this Section 02100, Off-Site Transportation and Disposal, specified herein, based on unit pricing as provided in Item 7 of the Contract Bid Form.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

3.01 SHIPMENT RECORDS AND CERTIFICATIONS

A. The Contractor shall prepare material shipment records/manifests for documentation of the quantities, weights, and point of final disposition of all debris transported off-site. The contractor shall use forms deemed acceptable by the Engineer.

B. The Contractor shall follow up to insure that the Engineer will get back appropriately executed copies of debris shipment records for all debris transported off-site to any treatment, storage, and/or disposal firms and facilities.

C. The Contractor shall obtain letters of certification from all disposal, or recycling facility(ies). The letters shall indicate that these materials were handled, recycled, and/or disposed as described in the Contract.

3.02 HAULING

A. The Contractor shall coordinate the schedule for truck arrival and material deliveries at the disposal site to meet the approved project schedule. The schedule shall be compatible with the availability of equipment and personnel for material handling operations.

B. All vehicles leaving the project site shall be inspected and cleaned, if necessary, at a truck tire wash pad. Residues from the truck tire wash pad shall be deemed as non hazardous and suitable for on-site disposal.

C. The Contractor shall not deliver debris to any facility other than the disposal facility(ies) listed on the shipping records except as stated in Paragraph 3.03 of this Section.

D. The Contractor shall coordinate vehicle inspection with the Engineer and recording of approximate quantities leaving the site using a local scale approved by the Engineer. These quantities shall be verified with recorded quantities at the disposal facility(ies). If any significant deviation between the two numbers occurs, the matter is to be reported immediately to the Engineer, so that quantities listed on the shipment forms are as accurate as possible.

E. The Contractor shall be held responsible for any and all actions necessary to remedy situations involving material spilled in transit or mud and dust tracked off-site. This cleanup shall be accomplished at the Contractor's expense.

F. The Contractor shall be responsible for inspecting the access routes for road conditions, overhead clearance, and weight restrictions, and shall provide traffic control when needed. A truck schedule shall be provided at least five (5) days prior to beginning waste hauling in order to coordinate traffic schedules with existing tenants.

G. The Contractor shall ensure that trucks are protected against contamination and precipitation by properly lining and covering them with compatible material, and by decontaminating them, if necessary, prior to any use with on-site materials.

H. The Contractor shall only use the transporter(s) identified in his program for the performance of work. Any use of substitute or additional transporters must have advance written approval from the Engineer. All haulers must hold valid, current permits for transportation of wastes to the disposal facilities.

I. The Contractor shall develop and implement a policy for accident prevention.

J. The Contractor shall not combine materials from this project with contaminated materials from other projects.

K. Liquid-containing trucks shall be sealed by the Contractor in a manner such that tampering with the contents cannot occur. Contractor shall be responsible to assure that no vehicle which leaves the site is leaking. Volumes of liquid requiring off-site disposal shall be measured prior to leaving the site.

L. The Contractor shall be responsible to provide proper labeling and/or placarding of all off-site waste shipments in accordance with applicable law.

M. The Contractor shall be responsible to screen all soil being disposed to remove any associated materials as necessary to meet the requirements of the disposal facility.

N. The Contractor shall be responsible to coordinate any required sampling or testing of waste loads at the destination facility. Any such testing shall be fully described including sample collection methods, preservation, handling, analysis method(s), and turnaround time. If applicable, such description shall be provided with the Bid.

3.03 OFF-SITE DISPOSAL

A. The Contractor shall use only the treatment, disposal, and recovery facility(ies) approved by the Engineer for proposed transportation and disposal for the performance of the work. **Substitutions or additions shall not be permitted without prior written approval from the Engineer.**

B. The Contractor shall be responsible for acceptance of the specific material at an approved treatment, disposal, or recovery facility, for ensuring that the facility is properly permitted to accept the stated material, and that the facility provides the stated treatment and/or disposal services. The Contractor shall be responsible for providing any necessary on-site sorting, segregating, or amending to ensure that each shipment of waste is not rejected at the designated facility(ies), and conforms to applicable waste profiles.

C. The Contractor shall be responsible for determining the number of laboratory samples and type of analysis for any additional analyses beyond those provided by the Engineer, or needed by the approved treatment, disposal, or recycling facility(ies). The Contractor shall pay for all laboratory analysis needed by the approved treatment, disposal, or recycling facility(ies). The Contractor shall provide to the approved treatment, disposal, or recycling facility the analytical report(s) for the proper number of laboratory samples for the required analyses. The Contractor shall provide to the Engineer a copy of the analytical report(s) from the laboratory. All of the preceding costs shall be included in the various unit prices for disposal.

D. The laboratory shall be certified by the state in which the disposal facility is located. The laboratory shall be identified on Table BF-2 of the Bid Form, and submitted with the bid. The Contractor shall provide the laboratory's name, address, telephone number, and certification on Table BF-2. The Contractor shall provide qualified personnel at the site to collect samples. The Contractor shall notify the Engineer 48 hours prior to the expected time of sampling.

E. The Contractor shall submit to the Engineer, with the bid, a letter of commitment from any alternate proposed treatment, storage, and disposal (TSD) facility(ies). This letter of commitment will be used by the Engineer to evaluate the acceptability of the Contractor's proposed facility(ies). Any analyses and documentation which demonstrate the facility(ies) ability to treat/dispose of the waste must also be submitted along with the letter of commitment.

F. The Engineer reserves the right to contact and visit the disposal facilities and regulatory agencies to verify the agreement to accept the stated material and to verify any other information provided. This does not in any way relieve the Contractor of his responsibilities under this Contract.

G. In the event that the identified and approved facility(ies) ceases to accept the stated materials or the facility(ies) ceases operations, it is the Contractor's responsibility to locate an alternate approved and permitted facility(ies) for accepting materials. The Contractor is responsible for making the necessary arrangements to utilize the facility(ies), and the alternate facility(ies) must be approved in writing by the Engineer in the same manner and with the same requirements as for the original facility(ies). Change in facilities is not cause for change in unit payment under this contract.

3.04 RECORD KEEPING

A. The Contractor shall prepare shipment records or manifest forms, obtain signature, and complete the shipment records as required by the Engineer and appropriate regulatory agencies for verifying the material type and quantity of each load in unit of volume and weight. Copies of each shipment record shall be maintained by the Contractor on-site and submitted to the Engineer within two (2) business days following each shipment from the site. Any shipment record or manifest discrepancies shall be reported immediately to the Engineer and be resolved by the Contractor.

B. At completion of the work, deliver project documentation to the Engineer, with transmittal letter containing the following:

1. Date.

2. Project title and project number.

3. Contractor's name and address.

4. Waste shipment records or tracking forms, including identification of each waste transport, vehicle type, identification number, shipping record or manifest number, waste type, quantity, arrival date, departure date, and final disposal destination.

5. Copies of all shipment records, weight slips, any analytical results, certificates of disposal/recycling of all waste materials, and final destination location including x, y, and z coordinates of all landfilled or clean fill wastes.

END OF SECTION

SECTION 02110

SITE CLEARING AND GRUBBING

PART 1 - GENERAL

1.01 SUMMARY

A. The work specified hereunder in this section shall involve site clearing and grubbing, as necessary, to perform the work. Clearing and grubbing of the area of the debris piles is required in preparation for segregation and removal. This work shall include the removal of surface debris, clearing site of plant life and grass, removal of trees and shrubs, removal of root systems of trees and shrubs, and excavation and stockpiling of topsoil. All areas to be cleared shall be flagged in the field and approved by the Engineer prior to initiation of the work.

B. Clearing and grubbing shall not occur on areas not containing debris except to the extent required to support access of equipment to the debris piles.

1.02 RELATED SECTIONS

A. Section 01350 - Mobilization and Demobilization

B. Section 01500 - Construction Facilities and Temporary Controls

C. Section 02270 - Erosion and Sedimentation Control

1.03 MEASUREMENT AND PAYMENT

A. Site Clearing and Grubbing:

1. Basis of Measurement: Lump sum, as itemized under Bid Item No. 4, Site Clearing and Grubbing, of the Bid Form.

2. Basis of Payment: Includes clearing designated site areas of plant life to the acceptance of the Engineer.

B. Payment for any debris generated through site clearing and grubbing and designated for off-site disposal will be in accordance with unit pricing, as itemized under Bid Item No. 5, Loading, Transportation, and Disposal of Debris, of the Contract Bid Form.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

3.01 PREPARATION

A. Area to be cleared and grubbed will be flagged in the field by the Contractor, and approved by the Engineer prior to initiation of the work.

3.02 PROTECTION

A. Locate, identify, and protect utilities that are to remain from damage.

B. Protect trees, plant growth, and features designated to remain as final landscaping.

C. Protect survey stakes, benchmarks, wells, and existing structures from damage or displacement.

3.03 CLEARING

A. Clear areas required for access to site, execution of Work, and final restoration.

B. Remove trees and shrubs within marked areas, as identified by Engineer. Remove stumps to a depth of six inches.

C. Clear undergrowth and deadwood without disturbing subsoil.

3.04 REMOVAL AND DISPOSAL

A. Place debris, rock, stumps, and extracted plant life in temporary storage areas designated by the Engineer, where it will not hinder work activities.

B. Remove and dispose of debris, rock, and stumps, as directed by Engineer, as construction and demolition debris, clean fill, or other appropriate type waste.

C. Cut and remove trees from the site. All small trees and brush material shall be chipped and chips added to debris for off-site removal.

3.05 TOPSOIL EXCAVATION

A. Excavate topsoil from areas to be prepared for access roadways, execution of work, and final restoration.

B. Stockpile in area designated on-site for reuse to depth not exceeding eight feet. Protect from erosion as per Section 02270, Erosion and Sedimentation Control.

C. Do not excavate wet topsoil.

END OF SECTION

SECTION 02270

EROSION AND SEDIMENTATION CONTROL, AND CONTAINMENT OF CONSTRUCTION MATERIALS

PART 1 - GENERAL

1.01 RELATED SECTIONS

A. Section 02930 - Revegetation

1.02 DESCRIPTION AND SCOPE

A. The Contractor shall take all measures necessary to control soil erosion resulting from access road construction and debris removal operations, prevent flow of sediment from the debris removal site, and contain construction materials (including debris, excavation of clean soil and backfill) within protected working areas as to prevent damage to any water body or wetland. The Contractor is responsible for continuously monitoring and maintaining the erosion control measures. Should additional controls be required, as deemed necessary by the Engineer, the Contractor shall install, monitor, and maintain said controls at his own expense.

B. Contractor shall perform all construction procedures in accordance with local, state, and federal requirements and as approved by Engineer. The Contractor shall conduct regular maintenance and preventative measures to ensure that all erosion controls are operating satisfactorily. Contractor shall replace controls as needed or as directed by the Engineer at the Contractor's expense.

C. If debris materials or sediment are washed away during construction or prior to Contract completion, the Contractor shall immediately remove materials from fouled areas as directed by Engineer or regulatory agencies, boards, and commissions, and take necessary actions to re-stabilize surfaces, and restore the integrity of Work at the Contractors own expense.

D. The Contractor shall stabilize sedimentation and erosion control structures. excavated side slopes, stream banks, disturbed areas, and temporary diversion outlets with crushed stone, riprap, temporary and/or permanent erosion control fabric or straw bales, as appropriate, and as approved by the Engineer.

E. The Engineer has authority to limit surface area of erodible earth material exposed by directing the Contractor's clearing and grubbing, debris handling and removal,

borrow, and fill operations, and to direct immediate, permanent, or temporary pollution control measures to prevent off-site sediment movement, or contamination of any stream or wetlands. Such measures may include, but are not limited to, construction of temporary berms, dikes, dams, sediment basins, sediment traps, slope drains, and use of temporary mulches, temporary or permanent mats, or other control devices or methods as necessary in the judgment of the Engineer to control potential erosion.

F. The Contractor must take additional precautionary measures to protect the Work during periods when the Contractor is not present at the Work Site, including weekends, holidays, and Work stoppages or slowdowns due to weather, strikes, seasons, or any other cause. Additional precautionary measures may include temporary scarifying of side slopes, covering surfaces potentially subject to erosion with heavy burlap or erosion control material, additional silt fence placement, and spreading of mulch or temporary or permanent erosion control matting. Such additional precautionary measures must be undertaken immediately by the Contractor at the request of the Engineer at the Contractors own expense.

1.03 MEASUREMENT AND PAYMENT

A. Payment will be made for work performed in this Section 02270, Erosion and Sedimentation Control, specified herein, on a lump sum basis as indicated in Bid Item No. 3 of the Contract Bid Form.

PART 2 - PRODUCTS

2.01 BALES

A. Baled straw or other suitable material acceptable to Engineer.

2.02 SILT FENCE

A. Silt fence to be Envirofence, as manufactured by Mirafi, Inc., Charlotte, North Carolina, or equal.

2.03 EROSION PROTECTION MATERIAL

A. Erosion Protection Material: Jute matting, blanket, or other approved material.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Contractor shall perform any required land grading to direct surface water away from the debris removal and work area.

B. Silt Barrier Fence:

1. Contractor shall install silt barrier fence as required to prevent sediment from leaving the Work area.

2. When barrier fence is no longer needed, Contractor shall remove fence and restore area to original conditions.

C. Bales may be used, as necessary, to supplement silt fence to prevent runoff and for erosion control.

D. Install erosion protection materials at locations as necessary to provide adequate control.

E. Temporary Seeding: Seed in accordance with Section 02930, Revegetation.

3.02 PROTECTION AND REPAIR OF WORK

A. Contractor shall protect completed work against damage.

B. Silt Barrier Fence:

1. Contractor shall inspect silt fence after every precipitation event. Contractor shall repair or replace damaged fence immediately.

2. Contractor shall remove accumulated sediments to keep the fence functional. In all cases, remove sediment when accumulations reach approximately one-half of the fence height.

3. All undercutting of toe anchor shall be repaired immediately with compacted backfill.

C. Temporary Seeding: Contractor shall repair or replace damaged area, and reseed areas where vegetation has not developed.

END OF SECTION

SECTION 02930

REVEGETATION

PART 1 - GENERAL

1.01 RELATED SECTIONS

A. Section 02270 - Erosion and Sedimentation Control

1.02 QUALITY ASSURANCE

A. Contractor shall provide seed mixture in containers showing percentage of seed mix, year of production, net weight, date of packaging, and location of packaging.

B. Contractor shall provide analysis or manufacturers documentation of lime and fertilizer materials.

1.03 REGULATORY REQUIREMENTS

A. Contractor shall comply with regulatory agencies concerning lime and fertilizer composition, and handling.

1.04 DELIVERY, STORAGE, AND HANDLING

A. Contractor shall deliver grass seed mixture in original sealed containers. Seed in damaged packaging is not acceptable.

B. Contractor shall deliver fertilizer in waterproof bags showing weight, chemical analysis, and name of manufacturer.

1.05 MAINTENANCE

A. Contractor shall inspect revegetated areas two (2) weeks after seeding and then biweekly for sixty (60) days. Any area not responding will be promptly reseeded.

1.06 MEASUREMENT AND PAYMENT

A. Site revegetation on a lump sum basis, as specified in Bid Item No. 12 of the Contract Bid Form.

B. Delivery of Off-Site Topsoil on a unit basis, as specified in Bid Item No 9 of the Contract Bid Form.

C. Place and grade topsoil on a unit basis, as specified in Bid Item No. 10 of the Contract Bid Form.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Imported Topsoil:

1. Friable surface soil reasonably free of grass, roots, weeds, clay lumps, toxic material harmful to plant growth, sticks, stones, or other foreign materials.

2. United States Department of Agriculture (USDA) textural classifications: silt loam, loam, sandy loam, or silty clay loam.

3. Maximum Stone Size: Two (2) inches in any dimension.

4. Gradation Requirements: Less than forty (40) percent (by weight) material greater than two (2) millimeters in diameter.

5. Contractor shall confirm to be clean by laboratory analysis of representative sample for the following parameters: total priority pollutant metals, total volatile organic compounds (Method 8260), and total petroleum hydrocarbons (Method 418.1). All backfill shall be free of organic compounds and have acceptable concentrations of metals, which are below applicable New York State Department of Environmental Conservation statewide cleanup standards.

6. Contractor shall submit analysis reports as per Section 01300, Submittal Description.

B. Agricultural Pulverized Limestone: Contractor shall obtain pulverized limestone amendment in accordance with State of New York Department of Transportation Standard Specifications No. 713. All limestone deliveries shall be accompanied by certified weight slips.

C. Fertilizer: Contractor shall obtain the fertilizer in accordance with State of New York Department of Transportation Standard Specifications No. 713.

D. Seed:

1. Shall comply with requirements of State of New York Department of Transportation Standard Specifications No. 713.

2. Shall meet standards for germination indicated in Table A of this section for permanent vegetation. Temporary vegetation shall use annual ryegrass with 88 percent pure live seed at 50 pounds per acre application rate.

3. Shall have been derived from latest seed crop available.

4. Shall have been tested not more than nine months prior to seeding.

5. Shall be premixed with an inspection tag, stamped, dated, and signed by the USDA inspector, sewn or stapled to the outside of each bag.

6. Do not use seed from containers that are not sealed or that have been stored with herbicides.

TABLE A

Permanent Vegetation Seed Mixture

Seed	Percent (%) of Pure Live Seed	Approximate Percent (%) of Dry Weight
Perennial Ryegrass Mixture	88	30
Creeping Red or Chewings Fescue	83	30
Kentucky Bluegrass Mixture	78	20
Annual Ryegrass	88	20

E. Mulch:

1. Shall consist of air-dry wheat or oat straw, cured to less than twenty (20) percent moisture content by weight. Straw shall be free from mature, seed-bearing stalks or roots of prohibited or noxious weeds.

2. Shall be free of substances toxic to grass growth.

F. Mulch anchoring material: nontoxic asphalt emulsion.

2.02 PRODUCT HANDLING

A. Contractor shall protect materials before, during, and after installation.

B. In the event of damage, Contractor shall immediately repair and replace at no additional cost to the Owner.

2.03 SOURCE QUALITY CONTROL

A. Contractor shall submit manufacturer's specifications, product data. inspection tags, or other information to Engineer to verify compliance with these Specifications.

PART 3 - INSTALLATION

3.01 GENERAL

A. Contractor shall seed only at such times when soil conditions are suitable for tillage and when moisture and temperatures are suitable for plant growth.

B. Temporary seeding will be required on areas that are a potential erosion problem during the project and on any areas exposed for longer than twenty (20) calendar days.

C. All work required for seedbed preparation and for temporary or permanent seeding will be accomplished under conditions approved by the Engineer.

3.02 AREAS TO BE REVEGETATED

A. Contractor shall revegetate all areas disturbed during the completion of this work.

3.03 TOPSOIL

A. Contractor shall use all on-site stockpiled topsoil. and furnish additional topsoil. if necessary, from off-site sources meeting these Specifications.

B. Contractor shall spread topsoil over all areas to be revegetated to a depth necessary to result in a minimum of 6 inches of topsoil on across the areas. Final determination of topsoil depth will be made by the Engineer.

3.04 FINAL GRADING

A. Contractor shall grade disturbed areas to the original land contours at the base of the debris piles, and as approved by the Engineer.

3.05 TILLAGE

A. Contractor shall till thoroughly all soil areas to be revegetated to a depth of four inches by disking, harrowing, scarifying, or by other approved methods.

B. Contractor shall remove all surface stones and debris over two inches in any dimension and dispose of off-site as clean fill or other appropriate means as approved by Engineer.

3.06 LIMING AND FERTILIZING

A. Contractor shall apply at least four (4) tons per acre of agricultural grade limestone (100 CCE [calcium carbonate equivalent]) and starter fertilizer at rates of one hundred (100) pounds of nitrogen (N), two hundred (200) pounds of phosphate (P_2O_5), and two hundred (200) pounds of potash (K_2O) per acre.

B. Alternately, Contractor may apply lime and fertilizer at rates indicated by the results of approved sampling and analyses performed on the topsoil to be seeded.

C. Contractor shall incorporate limestone and fertilizer into the top three (3) to four (4) inches of topsoil during the tillage operation.

3.07 SEED MIXTURES AND RATES

A. Contractor shall apply seed mixtures shown on Table A at a rate of one hundred (100) pounds per acre for permanent vegetation.

B. Contractor shall apply temporary seeding with annual ryegrass at a rate of fifty (50) pounds per acre.

3.08 SEEDING METHOD

A. Before any seed is sown, Contractor shall till the seedbed as specified above with all necessary amendments added.

B. Contractor shall sow seed uniformly on designated areas using a hydro-seeder, power-drawn drill, power-operated seeder, or hand-operated seeder.

C. Immediately following seeding, Contractor shall firm the soil around the seed using a culti-packer or similar tool.

3.09 MULCHING METHOD

A. Apply mulching materials uniformly at a rate of three tons per acre within forty-eight (48) hours after seeding.

B. After mulching, apply water with a fine spray, and anchor mulch in place using specified materials.

C. Machines that cut mulch in short pieces will not be permitted.

D. Anchor with acceptable materials at the following rate:

1. Emulsified Asphalt: Uniformly, not less than thirty-one (31) gallons per one thousand (1,000) square yards.

2. Wood-Cellulose: One hundred sixty (160) pounds per one thousand (1,000) square yards.

3. Other Mulch Binders (With Approval of the Engineer): At manufacturer's recommended rates.

3.10 EROSION PROTECTION MATERIAL

A. Erosion protection material shall be installed on all areas requiring revegetation.

B. Erosion protection material shall be installed in accordance with State of New York Department of Transportation Standard Specifications No. 713.

3.11 PROTECTION AND REPAIR OF DAMAGED WORK

A. Protect the work against loss or damage.

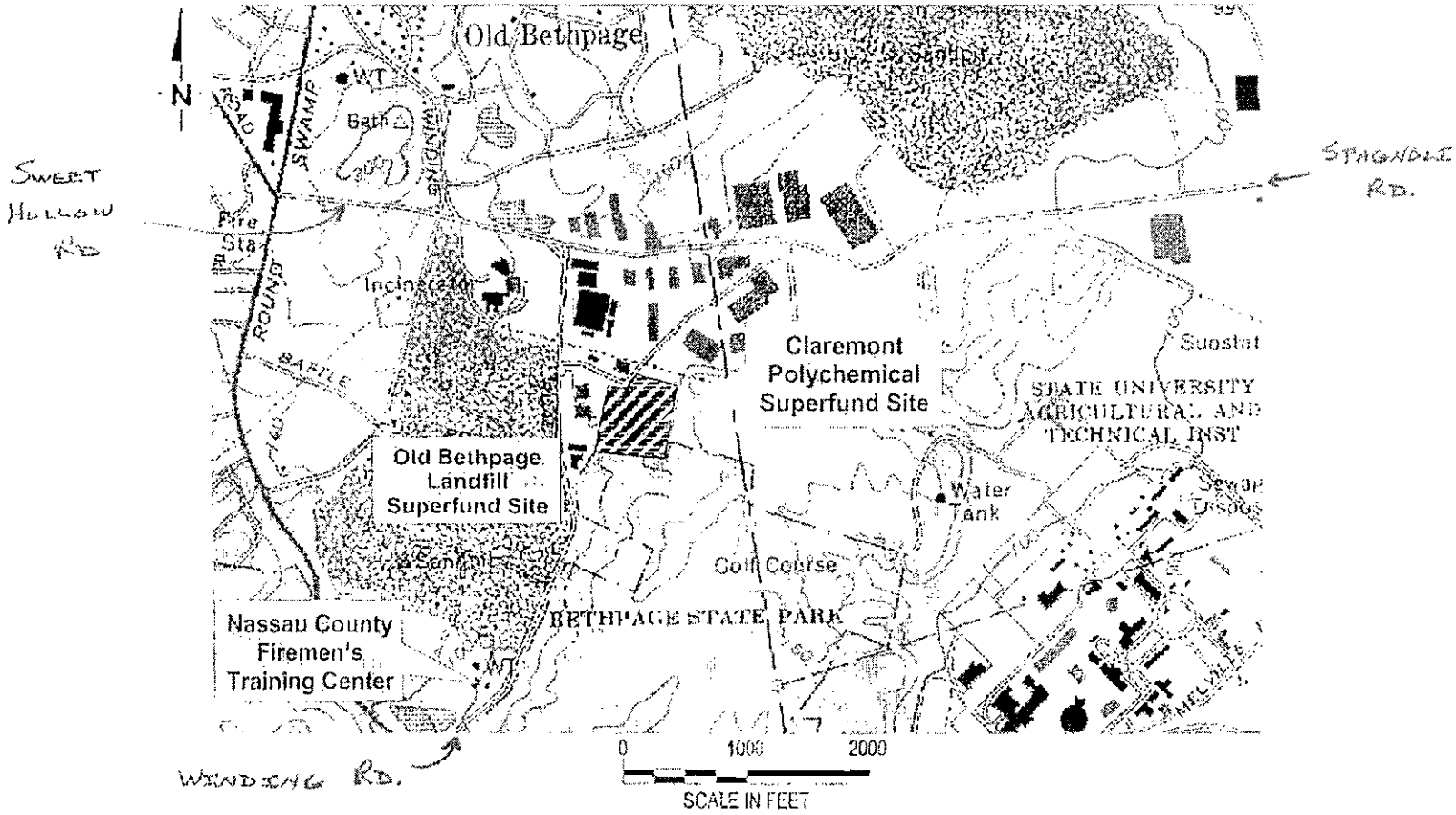
B. Inspect newly seeded areas for rills, gullies, and areas absent of mulch after each precipitation event. Promptly repair or replace.

3.12 ACCEPTANCE CRITERIA

A. Intended plant species must provide ninety (90) percent ground cover of the entire seeded area. Contiguous areas without vegetation of greater than ten (10) square feet shall be reseeded.

END OF SECTION

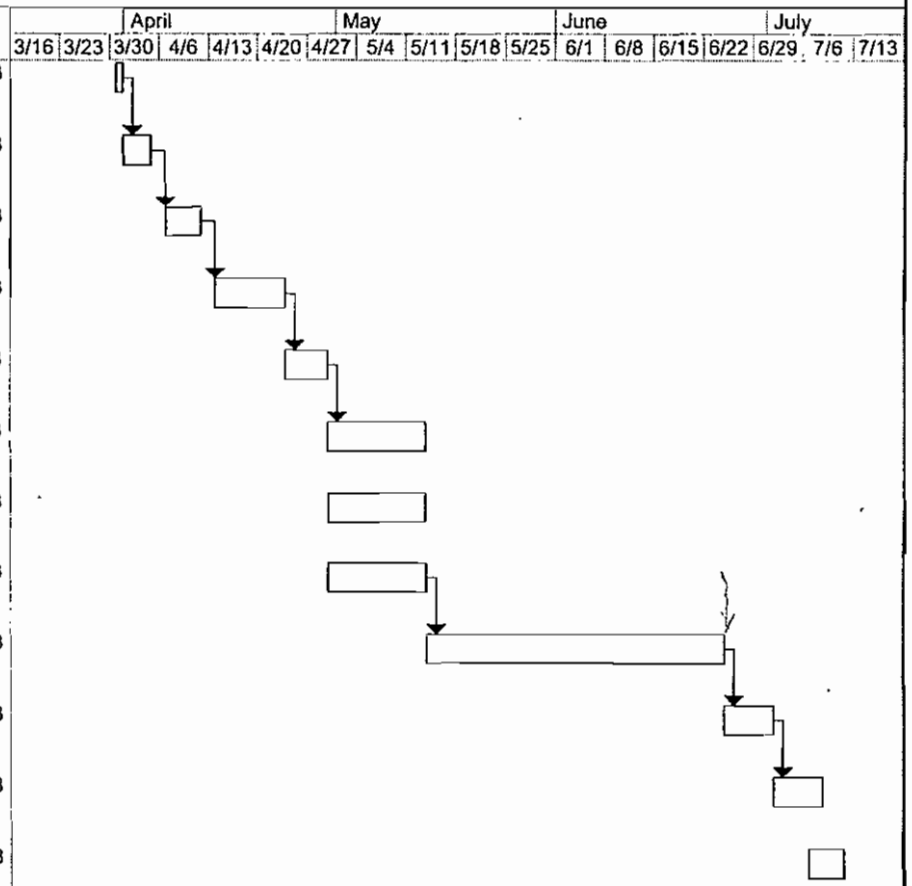
FIGURE 1: THE CLAREMONT POLYCHEMICAL SUPERFUND SITE AND THE SURROUNDING AREA.



(Note: This figure is adapted from the USGS topographic map, Huntington Quadrangle, 7.5 minute series.)

Figure 2 - Proposed Project Schedule: Claremont Polychemical Debris Removal

ID	Task Name	Duration	Start	Finish
1	Pre Bid Meeting	1 day	Mon 3/31/03	Mon 3/31/03
2	Acceptance of Bids	4 days	Tue 4/1/03	Fri 4/4/03
3	Contract Award and Negotiation	5 days	Mon 4/7/03	Fri 4/11/03
4	Preparation of Initial Submittals	8 days	Mon 4/14/03	Wed 4/23/03
5	Mobilization	4 days	Thu 4/24/03	Tue 4/29/03
6	Access Road Construction	10 days	Wed 4/30/03	Tue 5/13/03
7	Installation of Erosion Control Measures	10 days	Wed 4/30/03	Tue 5/13/03
8	Clearing and Grubbing	10 days	Wed 4/30/03	Tue 5/13/03
9	Debris Processing and Removal	30 days	Wed 5/14/03	Tue 6/24/03
10	Site Grading and Stabilization	5 days	Wed 6/25/03	Tue 7/1/03
11	Demobilization	5 days	Wed 7/2/03	Tue 7/8/03
12	Submittal of Final Documentation	5 days	Mon 7/7/03	Fri 7/11/03



Project: Project Schedule
Date: Wed 3/26/03

Task
Split
Progress
Milestone
Summary
Project Summary
External Tasks
External Milestone
Deadline

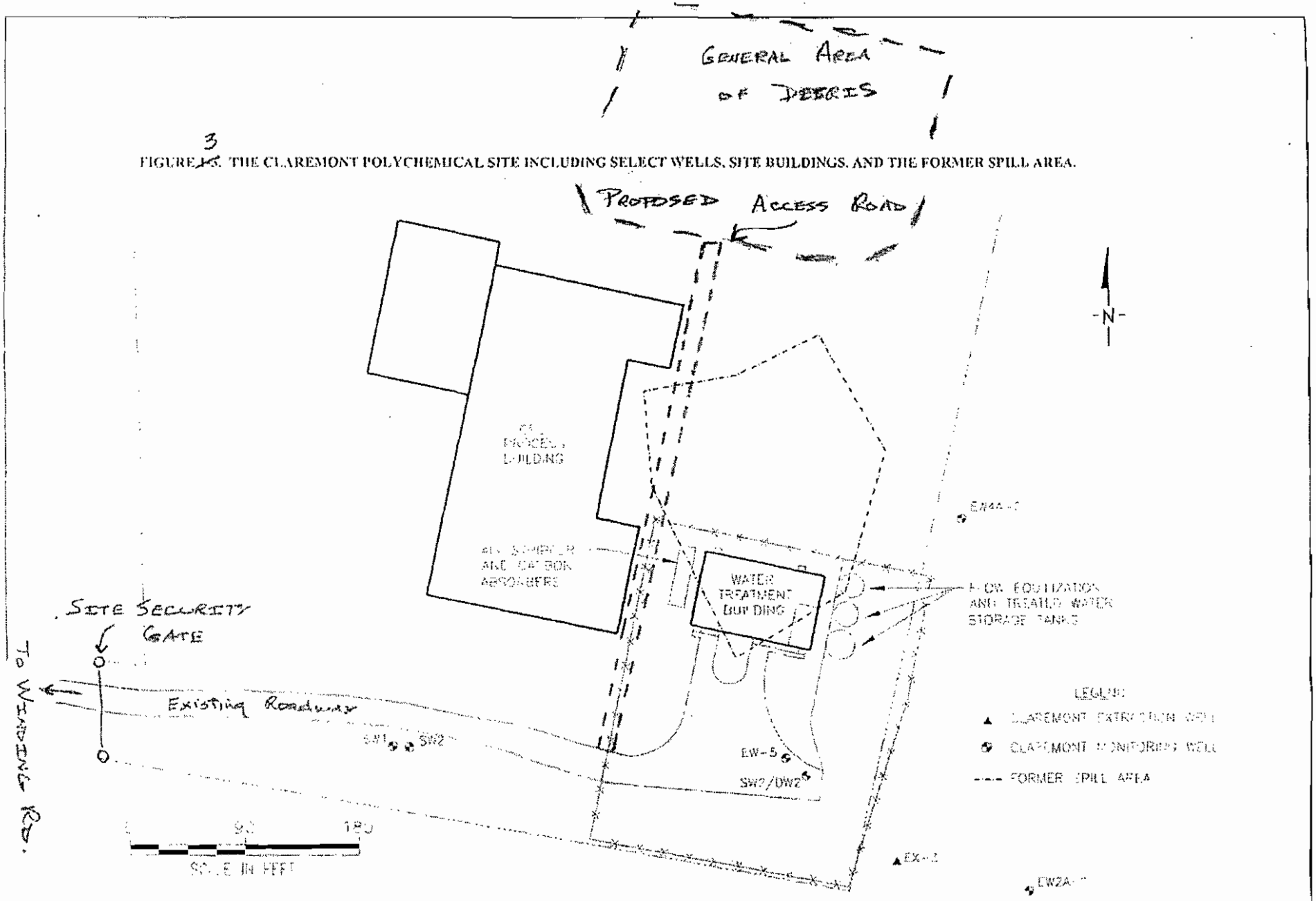


FIGURE 3. THE CLAREMONT POLYCHEMICAL SITE INCLUDING SELECT WELLS, SITE BUILDINGS, AND THE FORMER SPILL AREA.

(Note: This figure is adapted from drawings 03-CR-3 and 03-CR-5 from the 100% Final Design Submittal, Phase I Remedial Design Plans, Claremont Polychemical Corp., Old Bethpage, New York, U.S. Army Corps of Engineers, Kansas City District, 1994).

September 16, 2003

Environmental Engineering Branch
Environmental Engineering E Section

Ms. Maria Jon
Remedial Project Manager
U.S. Environmental Protection Agency, Region II
290 Broadway
New York City, New York 10007-1866

Subject: Claremont Polychemical Superfund Site, Old Bethpage, New York, Debris Removal, Demobilization of Contractor and Removal Closeout Technical Letter

Dear Ms. Jon:

This letter is intended to satisfy the U.S. Environmental Protection Agency's requirements for providing status of the waste pit decommission and debris removal action preformed at the former Claremont Polychemical Superfund Site (CPSS) during the months of June through September 2003 by our contractor, SAIC Engineering, Inc. (SAIC).

As of today, SAIC and all of their subcontractors have demobilized associated personnel and equipment from the CPSS due to the completion closure activities. As documentation, a signature page has been attached to this letter and signed by all parties responsible for the effort. The only SAIC personnel remaining on site are associated with ongoing Long Term Remedial Action and the site groundwater treatment system. SAIC is also scheduled to summit a final closure report detailing all site activities in early October 2003.

The following is a synopsis of closure activities performed during the past 12 weeks at the CPSS for your record:

1) Authorization for our contractor to proceed was received on June 30, 2003.

2) Completion of this project involved:

- Revision of the Site Safety and Health Plan (SSHP) and site Sampling and Analysis Plan (SAP), and preparation of a site Erosion and Sedimentation Control Plan in accordance with the additional requirements of the debris removal.

- A site access road was constructed, treatment area fence relocated, and appropriate erosion and sedimentation controls put in place.
- Twenty-five backhoe test pits were excavated, the physical characteristics of the debris was determined, and samples were collected and analyzed for asbestos, PCBs, TCLP VOCs, and TCLP SVOCs for waste classification purposes.
- One area of cadmium containing (D006) hazardous waste was identified during the initial sampling and analysis. This area was further sampled and characterized, resulting in the off-site processing of 128.2 tons of hazardous concrete and 454.3 tons of hazardous soil. SAIC performed an exposure analysis to develop a defensible site closure standard for cadmium, and following waste removal the area was sampled, found to be adequately remediated, and closed.
- The sub-surface storm-water control, and water treatment system was evaluated for closure. Sediments in the pits were sampled and analyzed, contamination identified and managed through on-site stabilization and off-site disposal. Aeration piping and motors in the pits were removed, the pits broken down to below grade, and backfilled to the surface.
- Removal of the debris consisted of screening and segregation of soil fines, concrete, miscellaneous waste, and metal. Approximately 20,654 cubic yards of soil (includes 7% compaction factor) were screened, stockpiled on-site during the removal, and re-graded onto the site following debris removal. Approximately 7,000 tons of concrete were processed into a recycling facility for crushing for use as construction aggregate. Approximately 390 tons of miscellaneous debris (non-hazardous) was disposed of at construction demolition landfill, and approximately 170 tons of metal were sent off-site to be salvaged.
- Approximately 300 tires were segregated from the debris and disposed of off-site.
- Thirty cubic yards of municipal waste was segregated and disposed off-site.
- A geophysical survey was conducted on the former on-site production well (330 feet deep), and a second shallow on-site diffusion well was abandoned.
- Following site re-grading, the site was covered with approximately 6 inches of select topsoil material, limed and fertilized, seeded and re-vegetated.
- Processing and disposal of two drums of sludge removed from the water treatment pits, and five drums of solids excavated from the debris pile.
- Reporting consisted of bi-weekly status reports and full documentation of all site activities.

During the next few weeks, SAIC will be performing the following activities at the CPSS:

- Site monitoring to ensure proper establishment of site vegetation and effectiveness of site erosion and sedimentation control practices.
- Final removal of silt fencing.

- Preparation of a final project report.

If you have any questions concerning the above matter or would like to discuss further, please do not hesitate to call me at 816-983-3880 or email at bradley.w.vann@nwk02.usace.army.mil.

Sincerely,

Bradley W. Vann
Project Manager
Environmental Engineering E Section

Enclosure

Copies Furnished:

USEPA-RII (John Malleck)
CENAN-CO-M (Shewen Bian) via email
CEMVS-PM-E (Richard McCollum) via email
CENWK-PM-ES (Thomas Simmons) via email
CENWK-EC-EB (Edward Bristow) via email
CENWK-EC-EE (Julia Kisser) via email
SAIC Engineering, Inc. (Richard Cronce) via email

Demobilization of Contractor and Removal Closeout Technical Letter – Signature Page

The undersigned personnel acknowledge completion of all removal actions associated with identified waste pits and debris piles in and around the former CPSS. Please note that all activities were performed in accordance with the approved Sampling and Analysis Plan and applicable Federal, State and Local requirements.

Richard C. Cronce, Ph.D. – SAIC Project Manager

Shewen Bian - CENAN-CO-M – Project Engineer New York District

Bradley Vann – CENWK-EC-EE – Project Manager Kansas City District

APPENDIX B

Project Status Reports

Project Status Report No. 1

Debris Removal Contract DACW41-02-D-0005-0002
Science Applications International Corporation
Date: July16, 2003

This status report is for activities associated with the debris removal activities at the Claremont Chemical Superfund Site Groundwater Treatment Facility during the period from June 30, 2003 through July 16, 2003.

Project Planning Document Revision (CLIN 0900)

This Reporting Period:

- SAIC received authorization to proceed dated June 30, 2003.
- A site engineering survey was completed to determine the elevation of the surface of the debris piles, and to locate the debris relative to site features. A base line, including three permanent reference points was established along the eastern boundary of the debris area. A 50 ft by 50 ft grid was overlaid onto the resultant debris area topographic map.
- SAIC received final review comments from CENWK on the Sampling and Analysis Plan, including the Field Sampling Plan and Quality Assurance Project Plan.
- Comments were incorporated into the plan and four copies of the final plan were submitted to CENWK, along with a comment response letter, on June 30, 2003.
- Four copies of the Erosion and Sediment Control Plan for Debris Removal Activities were submitted to CENWK.
- The Debris Removal Work Plan (DRWP), consisting of the project specifications, was finalized and used for final negotiations with Bluewater Environmental, Inc. (Bluewater) SAIC's subcontracted debris removal contractor.
- Additional discussions for gamma logging and the closure of an additional deep groundwater supply well were held between, SAIC, CENWK, and the EPA. A site visit was scheduled for Tuesday July 8, 2003 by the USEPA and USACE to inspect the well.
- SAIC worked with Bluewater to revise the project schedule. A copy of the schedule was provided to CENWK.
- SAIC incorporated the schedule into the subcontract documents.
- A site kickoff meeting was held at the site on July 8, 2003. Present during the meeting were Brad Vann and Julius Calderon (CENWK), Shewen Bian (NYACECENAN), Dick Cronce and Mitch Brown (SAIC), and Mark Soliman and Paul Posillico (Bluewater). The meeting involved detailed discussions of the scope of work and project schedule. Detailed meeting minutes are forthcoming.
- Bluewater submitted their draft SSHP to SAIC.
- A comprehensive contact list for the debris removal was prepared and distributed.

Upcoming:

- Bluewater to provide registration numbers and/or permits as appropriate for receiving facilities.
- Bluewater to provide SAIC with a list of materials able to be disposed of as clean fill at the identified receiving facility (110 Sand and Gravel).

Sampling, Analysis and Closure of Storm Water Pits and Obsolete Wells (CLIN 0901a)

This Reporting Period:

- A RAS request was submitted to EPA for submittal to the CLP laboratory of the surface water and sediment samples to be collected from the storm water pits and wells.
- Plans were made for an SAIC field technician to travel to Claremont to disconnect the power to the deep well, remove the well cap, and evaluate the internal well construction with respect to sampling of this well. SAIC reviewed the confined space entry protocols with field personnel.
- The field evaluation revealed that the deep well has a turbine pump motor sitting directly on top of the well head, making it physically impossible to access the well prior to removal of the pump from the well. Therefore, sampling of this well to confirm that it is uncontaminated prior to removal of the pump will not be possible. SAIC will discuss this condition with the currently identified well subcontractor.
- Planning was initiated for collection of the surface water and sediment samples.

Upcoming:

- Complete the confined space entry and evaluation of the deep well.
- Collect the surface water and sediment samples and submit the samples to the CLP laboratory for analysis in accordance with the work plan. This sampling work is scheduled for the July 24, 2003.
- Discuss with EPA the necessity of rapid turnaround time for CLP laboratory analyses to ensure closure of storm water pits and wells by the September deadline.

Hazardous Waste Disposal (CLIN 0901b)

This Reporting Period:

- As discussed under CLIN 0902, one of the initial debris samples failed the TCLP test for cadmium.

- Based on this information a 50 ft by 50 ft exclusion area was established around this sampling point.
- Following discussion with CENWK, it was determined that additional sampling was warranted to more precisely delineate the area of potentially hazardous waste.
- Additional debris samples were collected from four satellite sampling points located 25 ft in four compass directions from the initial sampling location. These samples were submitted to the laboratory for determination of TCLP metals only, with results expected on July 18, 2003.
- Based on the initial analytical results, SAIC solicited and received three quotes for transportation and disposal of a potential D006 listed hazardous waste. An initial review of the responses indicates that these materials will most likely be transported and disposed of by Chemical Waste Management (CWM) at CWM's Model City facility. SAIC is preparing a cost estimate based on these quotes for submittal to CENWK.

Upcoming:

- Receive additional sampling results.
- Estimate quantity of hazardous waste based on sampling results.
- Estimate costs for hazardous waste disposal based on estimated quantities and determined transportation and disposal costs.
- Provide projected cost for hazardous waste removal and disposal to CENWK.

Addendum – Additional Well (CLIN 0901c)

This Reporting Period:

- Brad Vann and Dick Cronce met with Robert Alvey regarding closure of the additional on-site deep well. Mr. Alvey stated EPA's decision to not abandon this well, but to use it as a deep groundwater monitoring well. Mr. Alvey requested a proposal for well conversion for this purpose. Vann and Cronce later discussed and agreed that placement of a dedicated pump into the well, located within the screened interval of the well, for low-flow sampling, would be a preferable approach to installation of a packer and internal riser pipe.

Upcoming:

- Submit a plan for placement of a dedicated pump into the additional deep well for low-flow sampling in lieu of abandonment. This approach, along with extension of the well casing to the vault surface, is recommended to minimize costs while eliminating the need for confined space entry associated with future long term monitoring of this well.

Sampling and Analysis of Debris Piles (CLIN 0902)

This Reporting Period:

- In consideration of schedule SAIC and CENWK agreed to modify the turn around time for analysis of the debris samples from 14 days to 5 days.
- Initial sampling and analysis of the debris piles was completed on June 30, 2003 through July 2, 2003 in accordance with the work plan. The 50 ft by 50 ft grid was laid out across the debris area and a track hoe was used to clear the area and excavate the test pits down to the underlying native soil at nineteen locations.
- Significant findings during excavation of the test pits included the following:
    - The thickness of the debris was approximately 3 to 5 ft thicker across the site than anticipated.
    - The percentage of fines was determined to be greater, and the percentage of concrete and debris was determined to be lower than anticipated.
    - A buried roadway was found at two locations.
    - Numerous tires were found at several locations.
    - Elevated PID readings and yellowish staining (possible paint waste) was observed in one test pit.

- Nineteen samples were submitted to ALSI for analysis of TCLP VOCs, TCLP metals, and qualitative asbestos. Three selected samples were submitted for analysis of TCLP SVOCs, TCLP PCBs, and TCLP pesticides and herbicides.
- Results of the sampling revealed that the sample from one test pit along the eastern edge of the debris area exceeded the TCLP limit for cadmium. Additional information on additional sampling of this area is provided under the section on Hazardous Waste Disposal (CLIN 0901b).
- Asbestos was detected in one other sample collected from the large debris pile located along the western edge of the debris area. Per discussion with CENWK this sample was resubmitted for quantitative asbestos analysis.
- The three samples submitted initially for TCLP PCB analysis were resubmitted for total PCB analysis by rapid turn around. Verbal results received on July 16, 2003 for these samples show that PCB was ND in two of the samples, with 0.4 mg/kg of Arochlor 1260 detected in one sample.
- No other constituents were detected in any samples.

Upcoming:

- Results from the quantitative asbestos analysis are expected on July 30, 2003.
- Formal results for the total PCB analysis are expected on July 18, 2003.
- Results for the additional sampling for TCLP cadmium are expected on July 18, 2003.

Debris Trucking and Disposal (CLIN 0903)

Engineering Oversight (CLIN 0903a)

This Reporting Period:

- Dick Cronce, Program Manager, and Mitch Brown, Field Oversight Engineer, performed a site walkover on July 7, 2003, and attended the site kickoff meeting on July 8, 2003.
- Robert Burns, Site Supervisor, provided oversight of initial activities on July 9-11, 2003.
- Mitch Brown has provided oversight of all site activities from July 14, 2003 through present.
- SAIC has entered into a subcontract with AK Associates for surveying activities, and AK has initiated the surveying of the initial stockpile area.

Upcoming:

- Mitch Brown will be on-site throughout the removal period, except for July 24th, when he will be relieved by a yet to be determined alternate oversight person.
- Dick Cronce is scheduled to be on site on July 28, 2003.
- Complete survey of initial stockpile area and additional areas as necessary to support site work.

Subcontractor Activities (CLIN 0903b)

This Reporting Period:

- Silt fence has been installed along the lower portion of the debris area, and along portions of the access road construction area. A site walkover by SAIC and Bluewater representatives determined that some sections of silt fencing proposed in SAIC's E&S control plan are unnecessary because these sections would be along the upslope edge of the debris area, and there is no significant run-on area above these sections of fence. In addition, one section of silt fence proposed for along the steep slope along the western-most edge of the debris area will be eliminated, with this area bermed or graded inward to the site to control runoff during the project. This is possible because this area will be the last area of debris removed from the site. Mitch Brown will prepare as built drawings of the E&S plans to document these changes.
- Clearing and grubbing of the area was initiated during the initial site sampling program. Most of the area has been cleared and grubbed.
- The security fencing along the western side of the groundwater treatment compound has been relocated.
- A dozer, excavator, and screen have been mobilized to the site.

- Construction of the access road was initiated. Bluewater Environmental submitted a request for alternate construction of the access road. This request is in consideration of road width limitations between the main building and a subsurface sump identified within the treatment compound during planning of the work. Requested changes include the following:

    - The total roadway width will be 14 ft wide versus l8 ft as originally designed. This will be accomplished by eliminating the soil berm originally planned to be installed along each edge of the aggregate drive way.
    - The geotextile base material will be keyed in to the ground to a depth of 12 inches versus 18 inches as originally designed.
    - The roadway will be constructed to maintain positive drainage away from the building versus crowned to drain outward from the center as originally designed.
    - The road base will be excavated to provided a depth of 12 inches of aggregate along the edges and 6 inches in the middle, instead of 12 inches in the middle and 6 along the edges as originally specified.
    - Crushed and screened concrete meeting the gradation requirements of ASHTO 57 aggregate will be used in replacement of originally proposed rock aggregate. Bluewater will provide a warranty of durability of four years for this material.

Upcoming:

- Complete site mobilization.
- Complete clearing and grubbing.
- Complete grading of initial stockpile area.
- Complete construction of the access road.
- Complete implementation of the E&S control measures.

Off-Site Disposal of Debris (CLIN 0903c)

This Reporting Period:

- Three dump truck loads of wood generated by the clearing and grubbing activities were removed from the site. Bluewater was advised that approval for payment for removal of this material requires proper documentation in accordance with Section 01300 of the specification.
- One dump truck load of steel rebar and other metal was removed from the site by a metals recycling firm. This was done under the agreement between CENWK, SAIC, and Bluewater that removal of metals for recycling would be at no cost to the project. Bluewater was advised that removal of this material requires proper documentation in accordance with Section 01300 of the specification.

- SAIC observed a small quantity of asphalt during processing of fines. Mitch Brown discussed the impact of the presence of a small component of asphalt in the fines with Shewen Bian. It was agreed that a field protocol should be developed for determining the acceptable amount of asphalt in fines that will remain on site.

Upcoming:

- Continue screening, segregation, and off-site disposal of debris.
- Bluewater to provide SAIC with submittals for receiving facilities in accordance with specification of work.
- Investigate the effect of leaving small quantities of asphalt in the fines on-site and develop working guidance for field decision making with respect to this matter.

Off-Site Recycling of Concrete (CLIN 0903d)

This Reporting Period:

- Separation and stockpiling of concrete within debris has been initiated in the southeastern corner of the debris area.
- No concrete has yet been removed from the site.

Upcoming:

- Continue separation and begin off-site removal of concrete.

On-Site Processing of Clean Fill (CLIN 0903e)

This Reporting Period:

- There has been no on-site processing of clean fill.

Upcoming:

- Initiate on-site processing of clean fill.

Delivery of Off-Site Topsoil (CLIN 0903g)

- It is projected that no delivery of topsoil from off-site will be necessary as part of this project given the large quantities of topsoil determined to exist on-site.

Place and Grade Topsoil (CLIN 0903g)

- It is projected that no delivery of topsoil from off-site will be necessary as part of this project given the large quantities of topsoil determined to exist on-site.

Documentation and Reporting (CLIN 0904)

This Reporting Period:

- First bi-weekly status report submitted.

Upcoming:

- Prepare and submit current budget table and schedule status.

Budget/ Finance Status

- SAIC to evaluate and revise, if necessary, the current anticipated costs for gamma logging and modification of the deep well into a monitoring well.
- SAIC to prepare a current estimated costs for management and disposal of tires, municipal waste, and hazardous waste. This is necessary because handling of these materials was not anticipated as part of this project, and therefore these costs and activities were not included in the original work plan and associated costs.

Miscellaneous Issues or Problems Encountered

- None

Project Status Report No. 2

Debris Removal Contract DACW41-02-D-0005-0002
Science Applications International Corporation
Date: July 28 2003

This status report is for activities associated with the debris removal activities at the Claremont Chemical Superfund Site Groundwater Treatment Facility during the period from July 17, 2003 through July 26, 2003.

Project Planning Document Revision (CLIN 0900)

This Reporting Period:

- SAIC worked with Blue Water Environmental, Inc. (BWE) to revise the project schedule. A copy of the revised schedule is attached to this document. As shown on the current schedule, the projected date for submittal of the Technical Demobilization Letter is September 9, 2003.
- BWE submitted their final Site Specific Health and Safety Plan (HASP) to SAIC.
- A non-hazardous materials tracking form was developed to document every load of material going off site. A copy of this form is attached to this report.
- A Tailgate Safety Meeting form, and a Daily Equipment Inspection form, were developed by SAIC and incorporated into the final BWE HASP. Copies of these forms are attached to this report.
- BWE submitted registration numbers and/or permits for all facilities anticipated to receive materials from this site. These facilities include:
    - Mid Island Salvage Corp., Deer Park, NY – Scrap Metal Processor/Recycler.
    - Construx, West Babylon, NY – Uncontaminated concrete, asphalt pavement, brick, rock, and soil.
    - 110 Sand Co., Melville, NY – Clean fill (concrete, steel, wood, sand, dirt, soil, glass, construction and demolition debris, and other inert material designated by the department).
    - Custom Earth Products, Inc., Bay Shore, NY – Tree, wood, and shrub debris.

Upcoming:

- BWE to provide SAIC with a list of materials able to be disposed of as clean fill at the identified receiving facility (110 Sand and Gravel).
- An on-site construction status meeting involving BWE and SAIC is scheduled for July 30, 2003, at 8:00 AM at the Claremont Site. A conference call will be set up and remote call in number will be provided prior to the call.

Sampling, Analysis and Closure of Storm Water Pits and Obsolete Wells (CLIN 0901a)

This Reporting Period:

- Maria Jon and Dick Cronce discussed the potential effect of the closure of the storm-water pits on drainage of floor-water from the manufacturing building. The concern is that closure of the pits and plugging of the influent lines, as currently proposed, may cause a wetness problem in the building. It was discussed that there are basically three ways to address this issue, namely:
    - Repair the building roof to limit the amount of precipitation entering the building.
    - Re-route the discharge piping from the building to the municipal sewer.
    - Close the storm-water pits without plugging the influent lines, allowing the broken up and filled pits to act as a French drain for the water.

  A final decision regarding this issue is required prior to closure of the pits.

- EPA requested rapid turn-around of the well and pit samples from the CLP laboratory.
- Two water and two sediment samples were collected from the storm water control pits. The pits were determined to be 10.5 ft deep. Approximately 6 inches of sediment was observed in the pit nearest to the round pit (labeled Pit No. 4). This sediment was observed to have the highest percentage solids content of all of the samples collected. This sample also contained a component (visual estimate of 25% by volume) of gold-colored, silt sized particles. The sample from the other pit originally planned to be sampled (labeled Pit No. 1) appeared to be primarily organic debris. Due to the contrasting nature of the first two samples collected from the end pits, sediment samples were also collected from the middle two pits (labeled Pits No 2 and 3). These samples also appeared to be organic debris similar to the sediment collected from Pit No. 1. The water and sediment samples from Pit No. 1 and Pit No. 4 were submitted to the CLP laboratory for analysis in accordance with the current Sampling and Analysis Plan (SAP).
- One water and one sediment sample were collected from the round pit and submitted to the CLP lab for analysis. The round pit was found to be approximately 16 feet deep. An influent pipe was observed entering the round pit from the building side of the pit.
- A non-dedicated bladder pump was used to collect a groundwater sample from the one abandoned well using low flow sampling protocols as provided in the SAP. This sample was submitted to CLP lab for analysis.
- The protective concrete ring around the reportedly buried well was removed. Evaluation of the waste materials existing in the ring revealed the presence of five, 5-gallon cans of paint. These materials were placed on plastic sheeting near the well location for future disposal. The PVC pipe thought connected to the buried well was excavated by hand, revealing an elbow in the pipe at approximately 2.5 ft below ground surface. Further hand excavation was

impractical. A small backhoe will be used to further excavate the piping and determine if this piping is actually connected to a well reportedly buried in this area.

Upcoming:

- Use a backhoe to excavate along the piping at the second reported well location in a further attempt to locate this well. If the well is located, able to be accessed, and in suitable condition, then a groundwater sample will be collected from the second well location. This work is scheduled for July 30, 2003.
- Discuss with CENWK and EPA the pipe plugging issue and make a final decision regarding this matter.
- Schedule the drilling contractor to complete the abandonment of the deep well and shallow well(s).

Hazardous Waste Disposal (CLIN 0901b)

This Reporting Period:

- The TCLP cadmium analysis results for the additional samples collected from grid cell No 1,1 were received. There was no TCLP cadmium detected in the debris samples collected to the east, north, and west of the original sampling location. TCLP cadmium was detected at 2.15 mg/l and 3.19 mg/l in duplicate debris samples collected from south of the original sampling location. The TCLP limit for cadmium is 2 mg/l. This indicates that the limit of the hazardous waste is within the eastern, northern, and western test pits, and just beyond the southern test pit.
- The currently estimated area of hazardous debris encompasses an area approximately 24 ft from east to west, and 39 ft from north to south. Assuming an average depth of 12 ft, and a waste density of 1.5 T/yd^3, there is approximately 416 yd^3, or 625 tons of hazardous debris to be removed from this area. There is approximately 20 % concrete in this area. If this material can be removed by screening and disposed of as non-hazardous waste, then this would reduce the volume of hazardous debris to around 332 yd^3, or 500 tons.
- SAIC's interpretation of the applicable regulations indicates that any non-hazardous cadmium containing debris, concrete, and associated soils can be processed off-site for recycling, or disposed of as either construction demolition debris or solid waste. A summary of the regulations, including SAIC's position of the disposition of these wastes is being submitted for concurrence by CENWK and EPA.
- In accordance with NYSDEC Technical And Administrative Guidance Memorandum (TAGM) 4046, the cleanup standard for cadmium in soils is 1 mg/kg. Therefore, and cadmium containing soil and debris having greater than 1 mg/kg cadmium must be removed from the site.

- SAIC is evaluating the use of a point and shoot type of field x-ray fluorescence analyzer for screening during removal of debris from this cell. Theoretically, debris determined by field screening to contain less than 20 mg/kg of cadmium would be deemed non-hazardous. This is because, assuming a maximum 20:1 dilution for the TCLP analysis, it would be technically impossible to exceed the TCLP limit for cadmium of 1 mg/l.
- SAIC proposes to remove approximately 1 ft of the underlying soil as part of the hazardous waste removal. In accordance with draft NYSDEC Soil Cleanup Guidance (DER-10), following removal of the debris and uppermost soil, one sample per 900 ft^2 of area of the underlying soil will need to be collected to confirm removal of all debris and soil containing greater than 1 mg/kg of cadmium.

Upcoming:

- Prepare hazardous debris removal plan and submit to CENWK and EPA for review.
- Estimate costs for hazardous waste disposal based on estimated quantities and determined transportation and disposal costs.
- Provide projected cost for hazardous waste removal and disposal to CENWK.

Addendum – Additional Well (CLIN 0901c)

This Reporting Period:

- SAIC technician completed the confined space entry and evaluation of the deep well in the subsurface vault. It was found that the motor of the turbine pump completely covers the well head, making it impossible to access the well for measurement of water table elevation, or collection of water samples. Therefore the water sample scheduled to be collected from the deep well was unable to collected

Upcoming:

- Schedule the drilling contractor for removal of the turbine pump from the deep well.
- Submit a plan for placement of a dedicated pump into the additional deep well for low-flow sampling in lieu of abandonment. This approach, along with extension of the well casing to the vault surface, is recommended to minimize costs while eliminating the need for confined space entry associated with future long term monitoring of this well.

Sampling and Analysis of Debris Piles (CLIN 0902)

This Reporting Period:

- The formal results of the total PCB analysis were received, confirming a concentration of 0.412 mg/kg of Arochlor 1256 in one sample, and no PCBs detected in the other two samples. Based on these results, it is SAIC's position that PCB is not an issue at this site.
- The results of the quantitative analysis of the asbestos analysis of the debris sample from grid cell No 1,5 was received, documenting the presence of 0.6 % by weight of chrysotile in this sample. Based on these results, it is SAIC's position that asbestos is not a waste disposal issue at this site. From a worker safety standpoint, however, SAIC is determining any required and appropriate measures that should be taken during the handling of these materials.
- A summary of the regulations, including SAIC's position of the disposition of these wastes is being submitted for concurrence by CENWK and EPA.

Upcoming:

- Prepare an Activities Hazards Analysis (AHA) table for handling of potentially asbestos containing materials as an addendum to the current Site Safety and Health Plan.

Debris Trucking and Disposal (CLIN 0903)

Engineering Oversight (CLIN 0903a)

This Reporting Period:

- SAIC worked with BWE to develop a site removal plan. The site has been conceptually divided into four quadrants. The approach will be to complete removal of all debris from the southeast quadrant, while stockpiling materials in the staging area located just north of the groundwater treatment area. Following completion of the SE quadrant (Quadrant No. 1), the debris will be removed from the SW quadrant (Quadrant No. 2), with materials stockpiled in Quadrant No. 1. Sequentially debris will be removed from the NW quadrants (Quadrant No. 3), and finally from the NE quadrant (Quadrant No. 4).
- Mitch Brown, Field Oversight Engineer, was on-site throughout this time period, except for Friday, July 25, 2003, when oversight was provided by Bob Burns and Catherine Huss.
- On Tuesday, July 22, 2003 SAIC's subcontracted surveyors performed a survey of the current stockpile of fines, and of the ground surface contours of the next soil staging area. The survey document that there were 1,150 yd^3 of fines in the stockpile.

- At the time of the survey all concrete and soil had been removed from 55 % of quadrant No. 1. Assuming that quadrant No. 1 represents approximately 15 % of the total debris volume, then the currently projected total amounts of debris at the site are 9,100 T of concrete, and 14,000 yd^3 of fines.
- Off-site transport of materials included weight checks on several of the loads in accordance with the site work plan.

Upcoming:

- Dick Cronce is scheduled to be on site on July 29, 2003.
- Complete survey of current stockpile area and additional areas as necessary to support site work.

Subcontractor Activities (CLIN 0903b)

This Reporting Period:

- BWE mobilized a stationary Grizzly type screen to the site and began processing of materials.
- A track-mounted vibratory screen was mobilized to the site for evaluation of performance. It was determined that this screen resulted in excessive percentage of less than 6 inch sized material in the course (greater than 6 inch) fraction. This screen was subsequently removed from the site and replaced with a second vibratory screen. The size separation by the second screen appears satisfactory.
- The access road was completed to the end of the interior fence around the groundwater treatment facility. The initial loads of crushed concrete aggregate delivered to the site for construction of the road were rejected by the oversight engineer due to the presence of asphalt in the aggregate. The geo-textile delivered to the site was in accordance with the specification and the road was constructed in accordance with the agreements as detailed in Progress Report No. 1.
- A limited volume (less than 5 yd^3) of debris has been generated thus far, and these materials are stockpiled on site for future removal.
- All E&S control measures have been put in place.

Upcoming:

- Complete clearing and grubbing.
- Complete construction of the access road.
- Complete debris removal from the SE quadrant and begin removal from the SW quadrant.
- Load out concrete and steel debris as necessary.

Off-Site Disposal of Debris (CLIN 0903c)

This Reporting Period:

- Documentation of the previous removal of wood generated by grubbing and clearing was provided to SAIC.
- Five roll-offs of scrap metal were removed from the site and taken to the metals recycling facility. Generally more scrap metal has been generated than anticipated. This material, however, originally planned to be handled as debris, is being handled at no cost to the project and this material is being tracked in a similar fashion to all materials leaving the site. Documentation of all scrap metal being removed from the site is being received by SAIC.

Upcoming:

- Continue screening, segregation, and off-site disposal of debris.
- Investigate the effect of leaving small quantities of asphalt in the fines on-site and develop working guidance for field decision making with respect to this matter.

Off-Site Recycling of Concrete (CLIN 0903d)

This Reporting Period:

- Separation and stockpiling of concrete within debris continued in the southeastern corner of the debris area.
- All of the stockpiled concrete was removed from the site by BWE on Thursday, July 27, 2003. Weight receipts document that a total of 750 T of concrete were removed from the site.

Upcoming:

- Continue separation and begin off-site removal of concrete.

On-Site Processing of Clean Fill (CLIN 0903e)

This Reporting Period:

- Processing of fines has occurred in the SE quadrant of the site with the fines stockpiled in the area just north of the groundwater treatment building.
- As reported above, engineering survey of the stockpile documented that there were 1,150 yd^3 of fines in the stockpile at the time of the survey. Additional material has been processed since that time.

Upcoming:

- Complete on-site processing of clean fill in the SE quadrant and begin processing of clean fill in the SW quadrant of the site.

Delivery of Off-Site Topsoil (CLIN 0903g)

- It is projected that no delivery of topsoil from off-site will be necessary as part of this project given the large quantities of topsoil determined to exist on-site.

Place and Grade Topsoil (CLIN 0903g)

- It is projected that no delivery of topsoil from off-site will be necessary as part of this project given the large quantities of topsoil determined to exist on-site.

Documentation and Reporting (CLIN 0904)

This Reporting Period:

- Second bi-weekly status report submitted.

Upcoming:

- Prepare a summary of understanding of applicable regulations related to the various waste materials to be handled during this project, and submit this summary to CENWK and EPA for concurrence.
- Prepare and submit current budget table and schedule status.

Budget/ Finance Status

- SAIC to evaluate and revise, if necessary, the current anticipated costs for gamma logging and modification of the deep well into a monitoring well.
- SAIC to prepare a current estimated costs for management and disposal of tires, municipal waste, and hazardous waste. This is necessary because handling of these materials was not anticipated as part of this project, and therefore these costs and activities were not included in the original work plan and associated costs.

Miscellaneous Issues or Problems Encountered

- EarthTec's site manager involved in separate activities inside of the main manufacturing building visited the site. It was observed that a site gate erected by EarthTec had been removed, and a lock on the main building had been cut. The manager voiced a complaint to SAIC's site supervisor, Bob Burns. Various discussions ensued. These events, though regrettable, were due to oversights associated with the rapid pace of work involved in project startup. SAIC acknowledged responsibility for the events and assured EPA that, if requested, the gate will be replaced upon completion of the project. Locks placed by others on the main building will not be cut. Since SAIC stores materials inside of the main building, then either these materials need to be removed, or SAIC should be provided with a key to the lock.

Project Status Report No. 3

Debris Removal Contract DACW41-02-D-0005-0002
Science Applications International Corporation
Date: August 27, 2003

This status report is for activities associated with the debris removal activities at the Claremont Chemical Superfund Site Groundwater Treatment Facility during the period from July 26, 2003 through August 27, 2003.

Project Planning Document Revision (CLIN 0900)

This Reporting Period:

- All originally planned project planning documents were finalized.
- An addendum to the Site Safety and Health Plan (SSHO) was prepared to incorporate additional safeguards required for addressing low concentrations of asbestos in one area of the debris piles, and the presence of hazardous constituents in a second area of the debris piles. The addendum was reviewed by CENWK and comments incorporated into a final version of the plan.
- BWE provided SAIC with a list of materials able to be disposed of as clean fill at the identified receiving facility (110 Sand and Gravel).
- An on-site construction status meeting involving BWE and SAIC was held on July 30, 2003 at the Claremont Site. The minutes from this meeting were distributed previously.

Upcoming:

- Pending removal of all debris, the technical memorandum of essential Construction Completion will be submitted to CENWK on September 12, 2003.

Sampling, Analysis and Closure of Storm Water Pits and Obsolete Wells (CLIN 0901a)

This Reporting Period:

- Further excavation and trenching of the PVC pipe using a backhoe eventually traced the pipe to the western property line, where excavation was terminated. Later discussions with Mr. Michael Flaherty indicated that information on the NYSDEC well permit for this well indicates that the second well may be located beneath the parking lot of the neighboring site. It was decided that no further evaluation of this well will be conducted as part of this project.

- The one shallow infiltration well was sampled and submitted for laboratory analysis for volatile organic compounds (VOCs) and semi volatile organic compounds (SVOCS). Cis 1,2-Dichloroethere (cis 1,2-DCE), the only compound detected, was detected at 0.9 ppb.
- Layne Christensen Drilling Co. completed the abandonment of the one shallow well on August 22, 2003.
- The results of the analysis of the water samples from the storm water control pits were received from EPA CLP lab. The maximum concentrations of constituents detected in one or more of the samples were PCE (4.3 ppb), 1,2-DCE (1.2 ppb), and xylene (0.5 ppb).
- On August 1, 2003, Mr. Adley Michael of the CLP contacted Maria Jon of EPA to report that there was insufficient amount of one of the solid samples to complete the analysis. Additional samples of the sediments were collected on August 4, 2003 and submitted to the laboratory. On August 7, 2003, the CLP lab called to report that the amount of the second sample was also insufficient to complete the analysis with normal detection limits. SAIC explained that the amount of sample provided was all that was possible without decanting the sample in the field, which seemed inappropriate for a VOC analysis. The laboratory was directed to complete the analysis with the understanding that this would result in elevated detection limits.
- The results of the analysis of the sediment samples were received. These results show the presence the low concentrations of several VOCs and SVOCs.
- One sample of the gold, or bronze colored sediment was submitted to SAIC's subcontract laboratory for analysis of TCLP metals. The TCLP analysis results confirmed this sediment to be non-hazardous waste.
- The water within the pits was pumped to the treatment plant sump, and treated by the groundwater treatment facility.

Upcoming:

- Complete the demolition and backfilling of the pits.

Hazardous Waste Disposal (CLIN 0901b)

This Reporting Period:

- Eight soil samples were collected from locations around the site considered to be uncontaminated and analyzed to establish site background metals concentrations. The results of these analysis indicated that the site background concentration for cadmium is approximately 0.7 mg/kg, which is below the statewide background concentration of 1 mg/kg.
- A general exposure analysis and risk assessment was performed to evaluate the development of an alternate soil cadmium cleanup standard. A review of applicable technical guidance, in consideration of site management plans,

supported a recommendation for the use of 8 mg/kg as the site cleanup goal for soil cadmium. A description of this evaluation was provided to EPA in a memo dated August 27, 2003.

- SAIC evaluated various approaches for on-site screening, segregation, and off-site processing of hazardous and non-hazardous but contaminated soil and debris. A detailed plan for processing of wastes was developed and submitted to CENWK for review and comment. Based on consideration of cost, schedule, and risk, it was decided that all hazardous material will be shipped off-site as either hazardous debris or hazardous soil, depending on size.
- SAIC proposes to remove approximately 2 ft of the underlying soil as part of the hazardous waste removal, and to stockpile this soil separately. This stockpile will be sampled to determine if it is contaminated. In accordance with draft NYSDEC Soil Cleanup Guidance (DER-10), following removal of the debris and uppermost 2 ft of soil, one sample per 900 ft^2 of area of the underlying soil will need to be collected to confirm removal of all debris and soil containing greater than 8 mg/kg of cadmium.
- Competitive pricing for off-site disposal was acquired, and based on cost and other considerations it was decided that all waste will be processed into the Waste Management (WM) facility at Model City. Generator's Waste Profile Sheets were completed, signed by CENWK, and returned to WM for processing. Approval from WM for receipt of the waste was received, and project specific waste manifests have been prepared and are on-site for completion and signature during waste removal. Mr. Shewen Bian of NY USACE will act as signatory for the waste removal.

Upcoming:

- Complete the removal of hazardous debris and hazardous soil. Excavation and stockpiling is scheduled for August 28-29, 2003. The first three loads of hazardous soil are scheduled for removal to Waste Management's Model City facility for trial stabilization on August 27, 2003. Confirmation of the trial stabilization is expected on September 2, 2003, and loading and off-site removal of the remainder of the hazardous soil and debris are tentatively scheduled for September 3rd and 4th.
- Rodney Myers will be on-site on August 28th and 29th to oversee the excavation and stockpiling of the hazardous debris, and initial loading and off-site disposal of the hazardous soil.
- Dick Cronce will be on-site on September 3rd and 4th to oversee the final loading and off-site removal of the hazardous debris and hazardous soil.
- Collect and analyze site closure samples and either close or complete additional excavation of the hazardous debris area.

Addendum – Additional Well (CLIN 0901c)

This Reporting Period:

- Mr. Brad Vann and Richard Cronce met with Mr. Robert Alvey at the Claremont site on July 30 to evaluate the deep well. Mr. Alvey directed CENWK and SAIC to not abandon the deep well as originally planned. It was decided that the existing pump and setting will be removed from the well, and a geophysical log will be made of the well, but the well will not be abandoned.
- The pump and setting were removed from the deep well on August 21, 2003 by Layne Christensen, Co.

Upcoming:

- The geophysical survey of the well is scheduled for completion on September 4, 2003.
- Receive well closure reports from Layne Christensen.

Sampling and Analysis of Debris Piles (CLIN 0902)

This Reporting Period:

- A summary of the regulations, including SAIC's position of the disposition of these wastes was submitted for concurrence by CENWK and EPA.
- An Activities Hazards Analysis (AHA) table for handling of potentially asbestos containing materials was developed and included in the addendum to the SSHP.
- Material appearing to be asbestos containing pipe and other material appearing to be yellow fibrous bulk insulation were identified in wastes excavated from the area near the asbestos containing area. One sample of the pipe and the bulk insulation were submitted for determination of asbestos. The pipe material was determined to contain 8 % chrysotile in a non-fibrous matrix. The bulk insulation was determined to be glass, with no asbestos identified in this material. Based on these results the removal is continuing in accordance with current SSHP. Any asbestos containing pipe is being segregated, and will be wrapped in plastic and processed into the construction demolition waste facility.

Upcoming:

- No additional sampling and analysis of the debris piles is necessary.

Debris Trucking and Disposal (CLIN 0903)

Engineering Oversight (CLIN 0903a)

This Reporting Period:

- Mitch Brown, Field Oversight Engineer, has been on-site throughout this time period.
- Based on the last survey of August 17, 2003, approximately 8,500 yd^3 of fines had been processed. This included 1,000 yd^3 of segregated topsoil.
- On an aerial basis the debris removal is complete across approximately 80 % of the site.
- The current projection of the total amount of fines to be processed is 15,000 yd^3, the total projected amount of concrete is approximately 6,000 Tons, and the total projected amount of debris is 2,000 tons.
- Approximately 110 tons of metal have been shipped off site to a recycling facility at no cost to the project.
- Off-site transport of materials included weight checks on several of the loads in accordance with the site work plan.

Upcoming:

- Complete survey of current stockpile area and additional areas as necessary to support site work.

Subcontractor Activities (CLIN 0903b)

This Reporting Period:

- The access road was completed.
- Site clearing and grubbing was completed.
- Debris has been removed in accordance with the removal plan. At present, all debris has been removed from the southeast and southwest quadrants of the site. All non-hazardous debris has been removed from the northeast quadrant of the site, leaving only the hazardous debris within the 25 ft by 40 ft exclusion zone to be removed from this area.

Upcoming:

- Complete removal and processing of all debris from the northwest quadrant.
- Load out concrete and debris as necessary.
- Complete site re-contouring, compaction, and re-grading.
- Complete site stabilization and re-vegetation.
- Complete site demobilization by September 12, 2003.

Off-Site Disposal of Debris (CLIN 0903c)

This Reporting Period:

- To date, approximately 250 tons of debris has been shipped off-site.
- Documentation of the previous removal of wood generated by grubbing and clearing was provided to SAIC.
- Field guidance was developed to allow for up to 1 percent by volume of asphalt in fine material allowed to remain on site.
- Seven roll-offs of scrap metal were removed from the site and taken to the metals recycling facility. Documentation of all scrap metal being removed from the site is being received by SAIC.

Upcoming:

- Complete screening, segregation, and off-site disposal of debris.

Off-Site Recycling of Concrete (CLIN 0903d)

This Reporting Period:

- Separation and stockpiling of concrete within debris was completed in the southeastern, southwestern, and northeastern quadrants of the site.
- Based on weight receipts, to date approximately 5,000 tons of concrete have been shipped off-site.

Upcoming:

- Complete separation and off-site removal of concrete.

On-Site Processing of Clean Fill (CLIN 0903e)

This Reporting Period:

- Processing of fines has been completed in the southeast, southwest, and northeast quadrants of the site.
- At present there are approximately 12,000 yd^3 of fines processed and stockpiled in one large and two smaller stockpiles at the site.
- Due to the realization of much greater amount of fines than originally anticipated, it was necessary to create soil stockpiles much larger than anticipated, requiring the movement of heavy equipment across sections of the stockpile. Because

payment for processing of fines was to be on a unit volume basis of un-compacted materials, the subcontractor anticipated the need to restage the fines for final volume determination. Due to the impact of this approach on project schedule, CENWK and SAIC agreed on a means for determining a compaction factor by using a nuclear gauge to determine in-place densities of soil within both the potentially compacted large stockpile and within non-compacted smaller piles, and then calculation of a compaction adjustment factor based on a comparison of the two. The preliminary result of this assessment indicated that the amount of compaction was less than 10 % by volume.

Upcoming:

- Complete on-site processing of clean fill in the NW quadrant of the site.

Delivery of Off-Site Topsoil (CLIN 0903g)

- Excavation of one area of the debris piles was found to have fines containing fewer coarse fragments, and having otherwise more favorable characteristics for use as on-site topsoil than other fines observed on the site. Approximately 1,000 yd^3 of these fines were segregated and stockpiled separately for use as final topsoil.
- It is projected that no additional delivery of topsoil from off-site will be necessary as part of this project given the large quantities of topsoil determined to exist on-site.

Place and Grade Topsoil (CLIN 0903g)

- It is projected that placement and grading of the 1,000 yd^3 of segregated fines for topsoil will be adequate for final site stabilization.

Documentation and Reporting (CLIN 0904)

This Reporting Period:

- Third bi-weekly status report submitted.

Upcoming:

- Prepare substantial completion memo.
- Prepare and submit current schedule status.

Budget/ Finance Status

- SAIC prepared a revised estimate of costs for management and disposal of tires, municipal waste, and hazardous waste. This was necessary because handling of these materials was not anticipated as part of this project, and therefore these costs and activities were not included in the original work plan and associated costs. Administration of this change order is ongoing.

Miscellaneous Issues or Problems Encountered

- Removal of debris from the southwest quadrant of the site revealed the presence of a paved surface. Three dry-wells, apparently used for infiltration of water from the paved surface, were also identified. These features have been documented and surveyed onto site plans. There are no other plans to address these features during this project.
- The finding of a much greater volume of fines than anticipated resulted in the need to place additional subcontract equipment and laborers onto the site than originally planned. An agreement was reached for implementation of overtime hours, along with Saturday work day, and an additional laborer in an effort to meet the project schedule. The additional costs for these activities are captured in a revised unit rate for processing of greater than 10,000 yd^3 of fines, and this change is being incorporated into the project contract documents.
- The need to address the hazardous material resulted in a requirement for the use of OSHA trained equipment operators and laborers, as well as the need for off-site processing and disposal of a substantial quantity of hazardous debris and hazardous soil. Competitive pricing was received, and plans put into place for management of these materials, and these changes in costs are being incorporated into the project contract documents.
- Approximately 200 tires were segregated from the debris. These tires can not be disposed of with any of the planned waste streams. Washing and recycling of the tires was deemed to be cost and time prohibitive. It was determined that these tires will be shipped off-site along with the hazardous debris.
- The Town of Oyster Bay (TOB) requested clarification on the timing and number of trucks to be weighed on their scales. SAIC submitted a letter dated August 5, 2003, to Mr. James Byrne, Commissioner of Environmental Resources. In return letter from Mr. Byrnes dated August 11, 2003, TOB agreed to continue to weigh trucks under certain agreements that posed no problems to the project.

APPENDIX C

Test Pit Logs

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SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: TP 0, 1 T.O.C. Elev.:
Location:
Surface Elevation:

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
				PID not available				
0			10YR 5/6 yellowish brown well graded sand (SW), no odors					Similar to 0,2 but no odor
1								
2								25% concrete > 6" 20% debris
3			4x6' slabs concrete					
4								
5			55 gal drum, filled w/ concrete					
6			Charred wood, misc metal, wire, conduit					
7			decomposed wood, pipe, plastic					
8			1x2' square of sheet pile					
9			2" screen from mining op					
10			blocks, brick					
11			Bottom of excavation					
12								

Demolition debris

Driller:	Well Casing: Dia. To	Seal Type:	Quantity:
Drilling Type/Size:	Casing Type:	Filter Pack Type:	Quantity:
Logged By: CAH 7/2/03	Well Screen: Dia. To	Static Water Level:	
Drilling Started:	Screen Type:	Date/Time:	
Drilling Completed:	Slot Size:	Notes:	
Well Construction:	Grout Type: Quantity:		
Blown/Bailed Yield:			

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SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: TP 03 T.O.C. Elev.:
Location:
Surface Elevation:

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
0			10Y 4/3 brown, well graded sand (SW)	0.0				
2			1-2' chunks of concrete, misc debris, metal, plastic, wood bricks, blocks					> 6" 10% concrete 30% debris
4			~75% of debris < 6"					
6			Foam, fiberglass insulation	0.0				Grab VOC Sample
8			Demo debris, brick					
10			metal, wire, mulch					
12			Start water	0.0				
14			10YR 3/3 dark brown well graded sand (SW)					
16			Railroad tie	0.0				
18			Asphalt Metal screens Tires, cloth, casing from couch, furniture					
20				0.0				
22			Bottom of Test pit. Exceeded Reach of excavator but signs of virgin soil					

Driller:	Well Casing: Dia. To	Seal Type:	Quantity:
Drilling Type/Size:	Casing Type:	Filter Pack Type:	Quantity:
Logged By: CAH 7/2/03	Well Screen: Dia. To	Static Water Level:	
Drilling Started:	Screen Type:	Date/Time:	
Drilling Completed:	Slot Size:	Notes:	
Well Construction:	Grout Type: Quantity:		
Blown/Bailed Yield:			

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SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: 1, 1 T.O.C. Elev.:
Location:
Surface Elevation:

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
				*PID not working				
0			Concrete, tiles, fence posts metal, blocks, insulation Bricks, broken tiles					
1			10YR 4/4 dark yellowish brown, well graded sand (SW) with organic material ~25% debris > 6" + silt					
2			~20% concrete > 6"					
3				0.0*				
4			Shingles, curb, dark stained soil in sidewall					
5								
6			10YR 5/6 yellowish brown medium to fine well graded sand w/ silt + gravel Pipes	0.0*				
7			Paint-like odor					
8				0.0*				
9			Paint-like odor	0.0*				
10			Larger slabs of concrete, Asphalt					
11			Smashed drum	0.0*				Sample collected
12			Pipes, Tires, Metal Yellow material on 1 tire (~8 in² spot)					
14.6'			End of test pit					

Driller:	Well Casing: Dia. To	Seal Type:	Quantity:
Drilling Type/Size:	Casing Type:	Filter Pack Type:	Quantity:
Logged By: CAH	Well Screen: Dia. To	Static Water Level:	
Drilling Started: 6/30/03	Screen Type:	Date/Time:	
Drilling Completed: 6/30/03	Slot Size:	Notes:	
Well Construction:	Grout Type: Quantity:		
Blown/Bailed Yield:			

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SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: 1,1 South T.O.C. Elev.:
Location:
Surface Elevation:

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
0			Surface debris concrete metals					
1			10YR 4/3 Brown, well graded 2-tires sand (SW)	0.0				
			Playground equipment	0.0				
2			Concrete, blocks,	0.0				
3				0.0				
4								
5			10YR 5/6 yellowish brown	0.0				
6			large piece concrete, aggregate 1-6", pipe	0.0				
7			slabs laying flat 50% concrete at the depth	0.0				
8				0.0				
9			Paint odor no debris	22.7 42.1 74				
10				202 130				
11				302				
12			-12' end of Test pit	17				

Driller:		Well Casing:	Dia. To	Seal Type:	Quantity:
Drilling Type/Size:		Casing Type:		Filter Pack Type:	Quantity:
Logged By:	CAH 7/15/03	Well Screen:	Dia. To	Static Water Level:	
Drilling Started:		Screen Type:		Date/Time:	
Drilling Completed:		Slot Size:		Notes:	
Well Construction:		Grout Type:	Quantity:		
Blown/Bailed Yield:					

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SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: 1,1 East T.O.C. Elev.:
Location:
Surface Elevation:

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
0			Surface concrete, fence posts metal 1-5' slabs concrete					
1			10YR 4/3 Brown, well graded Sand (SW) Concrete 1-5' premix 70% concrete from 0-3' bricks, tubing	0.0				
2				0.0				No odors, no stain
3			10YR 7/6 yellow well graded sand (SW)	0.0				
4			Minimal debris below ~3'					
5				0.0				
6			6' Bottom of excavation	0.0				
7								
8								
9								
10								
11								
12								

Driller:	Well Casing: Dia. To	Seal Type:	Quantity:
Drilling Type/Size:	Casing Type:	Filter Pack Type:	Quantity:
Logged By: CAH 7/15/03	Well Screen: Dia. To	Static Water Level:	
Drilling Started:	Screen Type:	Date/Time:	
Drilling Completed:	Slot Size:	Notes:	
Well Construction:	Grout Type: Quantity:		
Blown/Bailed Yield:			

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SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: 1,1 West T.O.C. Elev.:
Location:
Surface Elevation:

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
0			Surface debris, tile, concrete, metal, bricks 10 YR 4/3 Brown well grade	0.0				
1			Cloth, plastic, pipe	0.0				
2			wood, blocks,	0.0				
3								No paint odor no stain
4				0.0				
5				0.0				
6			Charred wood, clams debris					
7			blocks, burnt wood odor	0.0				
8			Shingles	0.0				
9				0.0				
10				0.0				
11			11' end of test pit					

Driller:	Well Casing: Dia. To	Seal Type:	Quantity:
Drilling Type/Size:	Casing Type:	Filter Pack Type:	Quantity:
Logged By: CAH 7/15/03	Well Screen: Dia To	Static Water Level:	
Drilling Started:	Screen Type:	Date/Time:	
Drilling Completed:	Slot Size:	Notes:	
Well Construction:	Grout Type: Quantity:		
Blown/Bailed Yield:			

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SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: 1, 1 North T.O.C. Elev.:
Location:
Surface Elevation:

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
0			Surface concrete 1-4' pour					
2			10 YR 4/3 brown well graded sand (SW) Concrete, blocks, bricks wood.	0.0				
4				0.0				No odor, no stain
6			10 YR 5/6 yellowish brown Fill,	0.0				10% concrete 10% debris
8								
10			Not much debris or concrete after ~8 ft	0.0				
12				0.0				
14			13' Bottom of excavation					

Driller:	Well Casing: Dia. To	Seal Type: Quantity:
Drilling Type/Size:	Casing Type:	Filter Pack Type: Quantity:
Logged By: CAH 7/15/03	Well Screen: Dia. To	Static Water Level:
Drilling Started:	Screen Type:	Date/Time:
Drilling Completed:	Slot Size:	Notes:
Well Construction:	Grout Type: Quantity:	
Blown/Bailed Yield:		

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SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: TP 1, 2
Location:
Surface Elevation:

T.O.C. Elev.:

Page 1 of 1

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
0			1-5' chunk concrete Steel cable	0.0				40% concrete >6" <5% debris
2			~4' ball of concrete 10YR 3/1 v. dark gray SW, no odors	0.0				Sample for VOCs
4								
6			4x4' block of concrete	0.0				
8								
10				0.0				
12			] demo debris, wood	0.0				
14			Bottom 1 foot pf 10YR 5/8 yellowish brown well graded sand (SW)					
16								
18								
20								
22								

Driller:	Well Casing: Dia. To	Seal Type: Quantity:
Drilling Type/Size:	Casing Type:	Filter Pack Type: Quantity:
Logged By: CAH 7/2/03	Well Screen: Dia. To	Static Water Level:
Drilling Started:	Screen Type:	Date/Time:
Drilling Completed:	Slot Size:	Notes:
Well Construction:	Grout Type: Quantity:	
Blown/Bailed Yield:		

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SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: TP 1, 3 T.O.C. Elev.:
Location:
Surface Elevation:

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
0			4-6' slabs of concrete curbs, large debris >90% >6"	0.0				
1				0.0				
2			10YR 3/1 v. dark gray well graded sand (SW)	0.0				30% concrete >6" 10% debris >6"
3				0.0				
4								
5			1-5' chunks of concrete bricks blocks ~50% < 6"	0.0				VOC grab
6								
7			Charred wood, demo debris					
8			~50% <6"					
9				0.0				
10								
11				0.0				
12								
13			Bottom of Test Pit					

Driller:	Well Casing: Dia. To	Seal Type: Quantity:
Drilling Type/Size:	Casing Type:	Filter Pack Type: Quantity:
Logged By: CAH 7/2/03	Well Screen: Dia. To	Static Water Level:
Drilling Started:	Screen Type:	Date/Time:
Drilling Completed:	Slot Size:	Notes:
Well Construction:	Grout Type: Quantity:	
Blown/Bailed Yield:		

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SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: 1, 4 T.O.C. Elev.:
Location:
Surface Elevation:

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
0			1-2' blocks of concrete 10YR 4/3 Brown well graded sand (SW) blocks, bricks	0.0				
2			<1' pieces of concrete 20% concrete >6" 30% debris >6"	0.0				
4			top soil bags (100's) wire					
6			Cinder blocks Tires, chain link fence metal misc	0.0				No Color Change (Garbage)
8			wood, pipes, unidentified electronics	0.0				
10			bowling ball Lots of misc debris 60% of debris < 6"					
12			Similar debris throughout Water seeping from west wall	0.0				
14			misc metal					
16			Bottom of test pit					
18								
20								
22								
24								

Driller:		Well Casing:	Dia. To	Seal Type:	Quantity:
Drilling Type/Size:		Casing Type:		Filter Pack Type:	Quantity:
Logged By:	CAH	Well Screen:	Dia. To	Static Water Level:	
Drilling Started:	7/2/03	Screen Type:		Date/Time:	
Drilling Completed:	7/2/03	Slot Size:		Notes:	
Well Construction:		Grout Type:	Quantity:		
Blown/Bailed Yield:					

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SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: 1, 5 T.O.C. Elev.:
Location:
Surface Elevation:

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
0			Wood, railroad ties, bricks, metal pipe	0.0				
2			< 1 ft chunks of concrete, PVC pipe					
4			30% wood >6"					
			20% rock fragments >6"					
			10% M: cellaneous debris					
6			inner tube, flower pots (plastic	0.0				Nucolon change
			10 YR 4/3 Brown well graded sand (SW)					
8			1-2' slab of concrete					VOC grab sample
			cinder blocks, misc debris	0.0				
10								
			Plastic buckets, blue tarp					
12				0.0				
14			Aluminum siding					
16			Bottom of test pit					
18								
20								
22								
24								

Driller:		Well Casing:	Dia.	To	Seal Type: Quantity:
Drilling Type/Size:		Casing Type:			Filter Pack Type: Quantity:
Logged By:	CAH	Well Screen:	Dia.	To	Static Water Level:
Drilling Started:	7/2/03	Screen Type:			Date/Time:
Drilling Completed:		Slot Size:			Notes:
Well Construction:		Grout Type:		Quantity:	
Blown/Bailed Yield:					

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SOIL BORING LOG

Client: Claremont Poly chemical
Project No.:

Boring/Well No.: 2, 1 T.O.C. Elev.:
Location:
Surface Elevation:

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
				* PID may not have been working				
0			Mound on surface					
1			10 YR 3/3 dk brown well graded sand w/ organic material.	0.0*				
2								
3								
4			Concrete, blocks.	0.0*				
5			Wood ~5 % debris > 6" ~20% concrete > 6"					
6								
7								
8			Concrete, asphalt Rebar	0.0*				
9			5-gal bucket					
10			10 YR 5/6 yellowish brown well-graded sand w/ silt medium to fine					
1								
2			Bottom of test pit					

Driller:		Well Casing:	Dia. To	Seal Type:	Quantity:
Drilling Type/Size:		Casing Type:		Filter Pack Type:	Quantity:
Logged By:	CAH	Well Screen:	Dia To	Static Water Level:	
Drilling Started:	6/30/03	Screen Type:		Date/Time:	
Drilling Completed:	6/30/03	Slot Size:		Notes:	
Well Construction:		Grout Type:	Quantity:		
Blown/Bailed Yield:					

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SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: 2,2 T.O.C. Elev.:
Location:
Surface Elevation:

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
0			Surface concrete					
1			1-2' chunks of concrete 10YR 7/3 brown well graded sand (SW) 70% of debris < 6" Asphalt	0.0				20% concrete >6 20% debris >6"
2								
3			Charred wood, demo debris	0.0				
4								
5			10YR 3/3 dark brown	0.0				VOC grab sample
6								
7				0.0				
8			Bottom of test pit	0.0				
9								
10								
11								
12								

Driller:	Well Casing: Dia. To	Seal Type: Quantity:
Drilling Type/Size:	Casing Type:	Filter Pack Type: Quantity:
Logged By: CAH 7/2/03	Well Screen: Dia. To	Static Water Level:
Drilling Started:	Screen Type:	Date/Time:
Drilling Completed:	Slot Size:	Notes:
Well Construction:	Grout Type: Quantity:	
Blown/Bailed Yield:		

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L:\WP\FORMS\BORING LOGS.XLS

SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: 2,3 T.O.C. Elev.:
Location:
Surface Elevation:

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
6			Bricks, asphalt ~1' chunk of concrete	0.0				30% concrete >6"
1			10YR 4/3 brown well graded sand (SW)					10% Debris >6"
				0.0				
2			Charred wood, demo debris					
				0.0				
3			1-4' slabs of concrete					
			Bricks					
4				0.0				VOC sample pg
			10YR 3/3 dark brown					
5				0.0				
6								
7				0.0				
			Bottom of test pit					
8								
9								
10								
11								
12								

Driller:	Well Casing: Dia. To	Seal Type: Quantity:
Drilling Type/Size:	Casing Type:	Filter Pack Type: Quantity:
Logged By: CAH 7/2/03	Well Screen: Dia. To	Static Water Level:
Drilling Started:	Screen Type:	Date/Time:
Drilling Completed:	Slot Size:	Notes:
Well Construction:	Grout Type: Quantity:	
Blown/Bailed Yield:		

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SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: 2, 4 T.O.C. Elev.:
Location:
Surface Elevation:

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
0								
1			1-4' slabs of concrete, asphalt, wood	0.0				
			10YR 4/3 brown well graded sand (SW)					
2			25% debris >6"	0.0				
3			20% concrete >6"					
4				0.0				
5								
6			Rebar, bricks, asphalt	0.0				
7			3X 4' block of concrete	0.0				
8			Charred wood					
			Large wood.					
9			10% debris					
10								
11								
12								
13'			Bottom of Test Pit					

Driller:	Well Casing: Dia. To	Seal Type: Quantity:	
Drilling Type/Size:	Casing Type:	Filter Pack Type: Quantity:	
Logged By: CAH 7/2/03	Well Screen: Dia. To	Static Water Level:	
Drilling Started:	Screen Type:	Date/Time:	
Drilling Completed:	Slot Size:	Notes:	
Well Construction:	Grout Type: Quantity:		
Blown/Bailed Yield:			

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SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: 2,5 T.O.C. Elev.:
Location:
Surface Elevation:

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
0								
2			Wood, asphalt 10YR 4/3 Brown well graded sand (SW) 40% debris 60% of debris < 6"	0.0				> 6" 20% debris
4			Bricks blocks, wire, plastic metal	0.0				
6				0.0				
8			Charred wood, pipe					
10				0.0				
12			10YR 3/3 dark brown	0.0				
14			Bottom of excavation					
16								
18								
20								
22								
24								

Driller:	Well Casing: Dia. To	Seal Type: Quantity:
Drilling Type/Size:	Casing Type:	Filter Pack Type: Quantity:
Logged By: CAH	Well Screen: Dia. To	Static Water Level:
Drilling Started: 7/2/03	Screen Type:	Date/Time:
Drilling Completed:	Slot Size:	Notes:
Well Construction:	Grout Type: Quantity:	
Blown/Bailed Yield:		

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SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: 3, 1 T.O.C. Elev.:
Location:
Surface Elevation:

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
0			Concrete on surface					
1			10YR 5/6 Yellowish brown well graded sand, silt and gravel; Concrete, rebar, wood ~5% debris >6", ~10% concrete >6" metal, cobbles	0.0				
2								
3								
4			Bricks Gravel	0.0				
5				0.0				
6			10YR 7/8 yellow well graded sand, medium to fine, with silt, slightly moist	0.0				
7			End of test pit					
8								
9								
10								

Driller:	Well Casing: Dia. To	Seal Type: Quantity:
Drilling Type/Size:	Casing Type:	Filter Pack Type: Quantity:
Logged By: CAH	Well Screen: Dia. To	Static Water Level:
Drilling Started: 6/30/03	Screen Type:	Date/Time:
Drilling Completed: 6/30/03	Slot Size:	Notes:
Well Construction:	Grout Type: Quantity:	
Blown/Bailed Yield:		

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SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: TP 3,0 T.O.C. Elev.:
Location:
Surface Elevation:

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
				PID not available				
0			Surface concrete, rebar					
1			~10' long piece of metal, (former tank) water fellow no odors, no sheen Concrete, bricks, metal, wood					20% concrete >6" 20% debris >6"
2			Organic swampy odor					
3			10YR 4/3 brown, well graded sand (SW) Conduit					
4								
5								
6								
7								
8			10YR 3/3 dk brown SW					
9								collect sample
10			10YR 7/6 Yellow SP clean sand					
			10YR 7/6 [illegible]					
41			End of Test Pit					

Driller:		Well Casing:	Dia. To	Seal Type:	Quantity:
Drilling Type/Size:		Casing Type:		Filter Pack Type:	Quantity:
Logged By:	CAH	Well Screen:	Dia. To	Static Water Level:	
Drilling Started:	7/2/03	Screen Type:		Date/Time:	
Drilling Completed:		Slot Size:		Notes:	
Well Construction:		Grout Type:	Quantity:		
Blown/Bailed Yield:					

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SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: TP 3,4 T.O.C. Elev.:
Location:
Surface Elevation: Page 1 of

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
				PID not available				
0			10YR 3/2 - 4/3 v. dk grayish brown to brown, well graded sand (SW)					
1			Concrete blocks, bricks, charred wood, organic septic odor, pipes, styrofoam					20% concrete > 6"
2			1-3' chunks concrete <10%					15% debris > 6"
3			25% > 6" charred wood → water seeping south wall + north but not as much					
4			10YR 7/1 v.dk gray, septic odor					
5								
6			Asphalt,					
7			Wood					
8			Mottled 10YR 6/8 w/ 7/1 to 7/2 (40%					
9			SM					
10								
11								
12								

Driller:	Well Casing: Dia. To	Seal Type:	Quantity:
Drilling Type/Size:	Casing Type:	Filter Pack Type:	Quantity:
Logged By: CAH 7/2/03	Well Screen: Dia. To	Static Water Level:	
Drilling Started:	Screen Type:	Date/Time:	
Drilling Completed:	Slot Size:	Notes:	
Well Construction:	Grout Type: Quantity:		
Blown/Bailed Yield:			

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SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: TP 3,5 T.O.C. Elev.:
Location:
Surface Elevation:

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
				PID not Available				
0			Concrete,					
1			10YR 5/6 yellowish brown well graded sand (SW) 1' chunks concrete, much aggregate					30% concrete >6" 10% chunks >6"
2								
3			Septic odor 10YR 4/3 brown SW, charred wood					
4			<25% >6"					
5								
6			1-5' concrete, wood rebar					
7			laminated - 1/4 - 5" bands yellowish brown (10YR 5/6)					
8			light gray (10YR 7/1 + 7/2) strong brown (7.5YR 5/6)					
9			SM to below 9'					
10								
11								
12								

Driller:	Well Casing: Dia. To	Seal Type:	Quantity:
Drilling Type/Size:	Casing Type:	Filter Pack Type:	Quantity:
Logged By: CAH 7/2/03	Well Screen: Dia. To	Static Water Level:	
Drilling Started:	Screen Type:	Date/Time:	
Drilling Completed:	Slot Size:	Notes:	
Well Construction:	Grout Type: Quantity:		
Blown/Bailed Yield:			

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SOIL BORING LOG

Client: Claremont Polychemical
Project No.:

Boring/Well No.: 4,1 T.O.C. Elev.:
Location:
Surface Elevation: Page 1 of

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
			Subgrade concrete pile					
0			10YR 4/3 Brown well grading sand (SW)					
1			Organic material, some salt, trace of street sweepings, Concrete, rebar, brick, steel pipes, cubs	0.0				
2			~40% concrete >6"					
3			~5% debris >6"	0.0				
4			10YR 4/4 dk yellowish brn dry, medium to fine well graded sand w/ silt Organic odor					
5			Temporary Road, asphalt with recycled concrete aggregate	0.0				Collected samples above road
6			Bottom of test pit ~5'					
7								
8								
9								
10								

Driller:	Well Casing: Dia. To	Seal Type: Quantity:
Drilling Type/Size:	Casing Type:	Filter Pack Type: Quantity:
Logged By: CAH	Well Screen: Dia. To	Static Water Level:
Drilling Started: 6/30/03	Screen Type:	Date/Time:
Drilling Completed: 6/30/03	Slot Size:	Notes:
Well Construction:	Grout Type: Quantity:	
Blown/Bailed Yield:		

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SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: TP 4,2 T.O.C. Elev.:
Location:
Surface Elevation:

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
				PID not available				
0			50% concrete, 1-5' chunks rebar, misc metal, pipe					50% concrete > 6"
1			20% Fines 10YR 4/3 brown well graded sand (SW)					10% debris > 6"
2								
3								
4								
5			Concrete					
6			10YR 3/3 dark brown					
7			Brick, concrete, wood					
8			Chain link fence, rebar					
9			Plastic pipe, pipe, wood					
10								
11			Asphalt road with recycled concrete aggregate					
12								

Driller:	Well Casing: Dia. To	Seal Type: Quantity:
Drilling Type/Size:	Casing Type:	Filter Pack Type: Quantity:
Logged By: CAH	Well Screen: Dia. To	Static Water Level:
Drilling Started: 7/2/03	Screen Type:	Date/Time:
Drilling Completed:	Slot Size:	Notes:
Well Construction:	Grout Type: Quantity:	
Blown/Bailed Yield:		

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SOIL BORING LOG

Client: Claremont
Project No.:

Boring/Well No.: TP 4, 4 T.O.C. Elev.:
Location:
Surface Elevation: Page 1 of 1

Depth Feet	Blow Counts	Recovery (ft/ft)	Overburden/Lithologic Description	Sample ID/ OVA Screen	Graphic Log	Well Construction Graphic	Depth Feet	Well Construction Details
				PID not accurate				
0			50% concrete 1-5' chunky wood					50% concrete >6"
1			10YR 3/1 v. dark grey, well graded sand (SW)					10% debris >6"
2								
3			10YR 7/1 v. dk gray earth soil organic odor, septic odor					
4			rebar, concrete rebar, piper					
5			~25% organic fungs, roots					
6			Concrete, rebar, wood, charred					
7			water seeping from south wall					
8			Bottom of test pit					
9			10YR 5/8 yellowish brown SW reddish					
10								

Driller:	Well Casing: Dia. To	Seal Type: Quantity:	
Drilling Type/Size:	Casing Type:	Filter Pack Type: Quantity:	
Logged By: CAH 7/2/03	Well Screen: Dia. To	Static Water Level:	
Drilling Started:	Screen Type:	Date/Time:	
Drilling Completed:	Slot Size:	Notes:	
Well Construction:	Grout Type: Quantity:		
Blown/Bailed Yield:			

APPENDIX D

Photo Documentation

Debris area before clearing 6/30/2003

Test pit sampling 7/3/2003

Completed Test Pit 1, 4 7/3/2003

Grizzley screen 7/16/2003

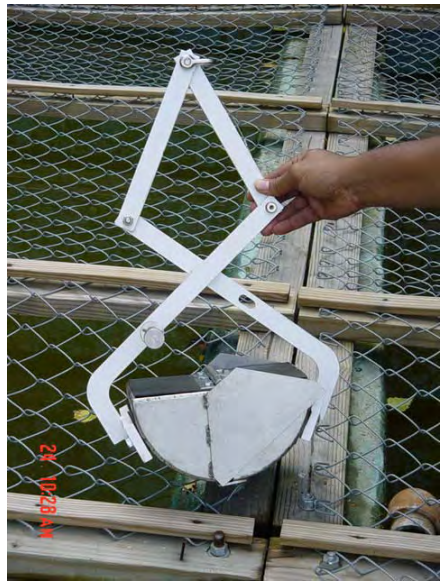
Silt fence erosion control 7/18/2003

Drums and tanks recovered 7/21/2003

Access road construction 7/22/2003

Metal recovered 7/22/2003

Stockpiling processed fines 7/22/2003



Ponar dredge used to sample storm water pits 7/24/2003

Debris removal operations 7/30/2003

Concrete and processed fines stockpiles 8/4/2003

Hazardous Area before excavation 8/8/2003

Stockpiled topsoil 8/22/2003

Tire stockpile 8/22/2003

Loading hazardous materials for off-site disposal 8/28/2003

Completed Hazardous Area excavation 8/29/2003

Processed fines stockpile 8/29/2003

Hazardous material stockpile awaiting off-site transport 9/02/2003

Sediment stabilization in storm water pits 9/02/2003

Last day of debris removal operations 9/6/2003

Grading operations 9/9/2003

Seeding activities 9/15/2003

Site after debris removal 10/03/2003

Additional photos are available on the enclosed CD-ROM

APPENDIX E

Field Log Notes

TEST PIT SAMPLING AND ENGINEERING OVERSIGHT

Field Log Notes

"Rite in the Rain"®
ALL-WEATHER WRITING PAPER

ALL-WEATHER

ENVIRONMENTAL FIELD BOOK

Name SAIC

Address 6310 Allentown Blvd
Harrisburg, PA 17112

Phone 717-901-8100

Project Claremont Polychemical Superfund Site - Debris Removal

This book is printed on "Rite in the Rain" All-Weather Writing Paper - A unique paper created to shed water and enhance the written image. It is widely used throughout the world for recording critical field data in all kinds of weather. For best results, use a pencil or an all-weather pen.

Specifications for this book

Page Pattern		Cover Options	
Left Page	Right Page	Polyflex Cover	Fabrikoid Cover
(Columnar)	(All Grid)	Item No. 550	Item No. 550F

CONTENTS

Reference Page Index

Location _____ Date _____

Project / Client TOC (cont)

PAGE(S)	REFFRENCE				DATE
64-66	FIELD	MGMT.	/	OVERSIGHT	08/05/03
67-70	"	"	/	"	08/06/03
71-73 (4 MJB)	"	"	/	"	08/07/03
73	"	"	/	"	08/08/03
74-77 (5 MJB)	"	"	/	"	08/11/03
78-81	"	"	/	"	08/12/03
82-85	"	"	/	"	08/13/03
86-88	"	"	/	"	08/14/03
89-90	"	"	/	"	08/15/03
91 * (MJB)	"	"	/	"	08/16/03
92-93	"	"	/	"	08/18/03
94-96	"	"	/	"	08/19/03
97-98	"	"	/	"	08/20/03
99-100	"	"	/	"	08/21/03
101-103	"	"	/	"	08/22/03
104	"	"	/	"	08/23/03
105-106	"	"	/	"	08/25/03
107-110	"	"	/	"	08/26/03
111-114	"	"	/	"	08/27/03
115-116	"	"	/	"	08/28/03
117-118	"	"	/	"	08/29/03
119	"	"	/	"	08/30/03
120-121	"	"	/	"	09/02/03
122-125	"	"	/	"	09/03/03
126-127	"	"	/	"	09/04/03

Location _____ Date _____

Project / Client Signature Page AND TOC

Print Name	Signature	Initials
Cathy Hass	Cathy Hass	CAH
MITCH BROWN		MJB

TOC (CONT.)

128 *	FIELD	MGMT	/	OVERSIGHT	09/05/03
129-131	"	"	/	"	09/06/03
132-134	"	"	/	"	09/08/03
135-136	"	"	/	"	09/09/03
137-138	"	"	/	"	09/10/03
139	"	"	/	"	09/11/03
140	"	"	/	"	09/12/03
141 (4 MJB)	"	"	/	"	09/13/03
142-145 (5)	"	"	/	"	09/15/03
145	"	"	/	"	09/16/03

Location Claremont Site Date 6/29/03

Project / Client Debris Removal - Test Pit Sampling

CAH; sunny/hazy, 80°F

1105 Arrive at site. Gate locked

1120 Walked up to treatment bldg. Site manager not onsite.

1200 Bob Burns arrives. H+S briefing + site tour. Walked along east baseline. Pile is very overgrown. Unable to locate points due to brush.

1230 Bluewater arrives to drop off excavator. Met Keith + Mike.

1320 Finished briefing from Bob. Left site to checks in hotel

Cathy Huso 6/29/03

Location Claremont Date 6/30/03

Project / Client Debris Removal - Test Pit Sampling

CAH; Forecast 80-85° F, hazy, humid

0630 Arrive on site. Gathered equipment. Signed in. Met operator JSS. Checked in w/ RTB.

0700 Bluewater onsite. Fueling excavator.

0710 Heading to west side of pile to take photos

0730 Met Shewan for NYACE: BW doesn't need to move fence

0745 Calibrated site PID

0754 Heading to pile with BW to discuss plan

0805 BW starts clearing from South; Setting up to survey baseline with RTB

0821 Established baseline 4.25° from southern 2 surveyor points Turning to 94.25°

0825 Mark Solomon BW on site. Has assigned one laborer. Excavator recovering some piece of concrete, pipe (plastic), rebar (thick) BW interested in getting roll-off onsite for metal to avoid double handling of material

0900 RTB to office to check emails w/ Mark for BW.

0938 Staked out 1st 3 of 50' pts. Waiting on more stakes. Excavator starting to clear north

Ca Huso 6/30/03

Location Claremont Date 6/30/03
Project / Client Test Pit Sampling

1000 139.2° from 5,1 back to base stake
49.2° northward
1015 Start Test Pit 4,1 5' on either side of point
1020 at 5' large slab of concrete. Widening test pit to remove slab.
1031 HS 3'10.9" Elevation to bottom of 4,1
FS 5'34"
1030 Collected Sample CPC-00-DB-4100-001
VOC's grab; composite for metals + asbestos
1040 Excavator at fence; removing fence
1055 Start test pit 3,1
1108 Collected sample CPC-00-DB-3100-001
1110 ~~Break~~ Resuming clearing to north
1128 Begin test pit 2,1
1135 Break for lunch
1210 Back from lunch. Finish logging test pit 2,1
1231 Collected sample CPC-00-DB-2100-001 from excavator bucket. Scraped side ~8' bgs
VOC grab, composite for metals & asbestos
1233 Continue clearing northward.
1244 Start TP # 1,1
1307 Collected sample CPC-00-DB-1100-001 from soil w/ noticeable paint-like odor

Location Claremont Date 6/30/03
Project / Client Test Pit Sampling

PID reading = 0.0 ppm, Analyses = VOC's, Metals, SVOCs, herbicides, pesticides, Asbestos
1318 BW starting 2nd N+S line
CAH to office to find RTB
Determined that PID not working. Fault 3 error. Unsure when PID stopped working.
1358 Cleaned lamp bulb. Will rescan headspace of all samples — note that it appears to be working
1410 Shooting Elevations w/ RTB
Turning pt 0.69' moved level
6.76"
TP # 3,1 12' depth
Turning pt 2 1.95"
9.18" 9' 10.8"
Depth TP #2,1 13.1'
Depth TP #1,1 18.5'
1425 Odor still emanating from TP #1,1
From east looking to west wall of TP #1,1 looks like dark staining ~4' bgs
Below that color change to yellow soil
1437 Instructed BW to put snow fences around all 4 TP's. Will not backfill today
Labeled TP stakes
1512 At office to drop off samples.
Checking headspace readings of all
CA Huss 6/30/03

Location Claremont Date 6/30/03

Project / Client Test Pit Sampling

Samples since PID was not working

Sample	PID reading
4,1	0.0.
3,1	0.0
2,1	0.0
1,1	111 ppm quad sample ; 241 ppm composite

1515 Note: CAH, RT Mike + Wallace from BW were present at TP # 1,1 excavation. RTB, JSJ visited later

1545 Call from RCC. He spoke to KC USACE and we're to continue as per Plan. Same analyses. Need to order another PID from E+S just in case.

1600 Called lab. No samples will be shipped until Tuesday

1652 Finished packing samples + COC.

1700 Leaving Site

Ca Hus 6/30/03

Location Claremont Date 7/1/03

Project / Client Test Pit Sampling

CAH; 68°F (Forecast 84°), sunny

0625 Arrive at site. Sign in. Load ice + sample supplies.

0640 Calibrated site PID. Precal = 101 ppm, no calibration required

0658 On job site. BWE on site. Haul contractors sign in. Mark Solomon brought up pile issue but he will discuss with Dick later today.

0708 BWE removing fence. Area to south of fence is cleared.

0713 Odor at TP # 1,1 still noticeable, faint and not as strong as yesterday.

0720 Conducted tailgate safety briefing. Discussed heat issues, ticks, rebar. Wallace + Mike present.

0722 Cleaning continues.

0728 Setting up to get 90°'s on transect # 2. 262° to 5,0 baseline. Turning 90° to 172°.

0740 Staked 4,2. Lots of surface debris: metal, pipes, concrete, cinder blocks, wire + rebar. Took photo.

0743 BWE removing fence.

0758 Call to RTB with status.

0801 Took photo of 5,2. Already cleared at or close to grade. Ca Hus 7/1/03

Location Claremont Date 7/1/03

Project / Client Test Pit Sampling

H+S Briefing: Heat, ticks, watch for rebar

Print Name	Sign Name
Michael R DonGiorno	[signature]
WAHASSON DEMETRELOS	[signature]

0804 Took photo of 5,4. Area cleared. Concrete on surface, pipes; near grade.

0812 Call to RTB. BWE to clean everything. As per RTB, that is at their risk. But for time issues. Need them to clear our North-South transects. Going to talk to operator

0817 Talked to operator. He understands priority for clearing transects but due to lay of land & debris is having trouble working up the hill. CAH told him to do what he needs to do to clear transects.

0823 BWE labor beginning to cut rebar from concrete w/ acetylene torch.

Stopped cutting. Seems to be problem w/ equipment.

0831 Restaked 5,3. At or near grade. Near large tree at NE corner of bldg. Some surface concrete but could be from clearing ops. Took photo

0900 Staked 5,5 + 5,6

Cathy Huss 7/1/03

Location Claremont Date 7/1/03

Project / Client Test Pit Sampling

0903 Took photo of 5,6. Near corner of bldg at grade, some small pieces of asphalt.

0905 Took photo of 5,5; at or near grade. Small pieces of asphalt at surface with small pieces of concrete.

Looks like there might have been asphalt north of bldg (parking lot?)

0917 Heading to GWTF to check in w/ RTB

No hot work

RTB not feeling well

0934 Back at debris pile

0953 Took photo of 3,2 Concrete pile to SW, rebar; just south of berm which was ~~behind~~ NORTH of CAH chain link fence

0959 N-S transects # 2 + 3 cleared. Operator asked if we wanted to sample. CAH instructed operator to continue clearing to the west.

1018 Clearing ops proceeding. In last 3 grids

Heading to GWTF to discuss marking points w/ RTB.

Received instructions on how to survey remaining points

1045 Setting up to establish N-S baseline from 5,4

Cathy Huss 7/1/03

Location Claremont Date 7/1/03

Project / Client Test Pit Sampling

1047 Angle from 5,4 back to surveyed baseline 50 218.8°

Turn 90° s to north = 128.8°

1101 Level at 4,4 shooting back to 5,4 313.5°

1105 Level at 4,4 shooting to 3,4, 134.4°

- 134.4 + 180 = 334.4° off 1°

Call to RTB. Close enough.

1110 Turning 90° West from 134.4 - 90 = 44.4°

1122 Photo of 4,6, at grade, a few pieces of concrete on surface in area

1124 Photo of 4,5. At grad. Asphalt at surface like old parking lot.

Point 3,6 is out side of fence in recycling yard

1130 BWE moved brush pile. Now moving trees from sampling areas.

1140 RCC arrives. Begin walking site + locating pts for sampling.

1155 Tom + Mark Solomin on site

1210 RCC having tailgate w/ BWE

CAH + JSS locate 2,4 unable to see w/ level. Lined up w/ 4,4 + 3,4

1403 Took photo of 0,1 as staked by RCC. Natural soil. Will not excavate PID not working. JSS went to get another PID

Location Claremont Date 7/1/03

Project / Client Test Pit Sampling

1430 North PID working. No sampling today

Disc CAH While clearing @ 0,2, discovered pile of tires on surface. As directed by RCC, digging under tires, removing wood, wire, bricks ~ 7' to bottom

1437 Collecting sample CPC-00-DR-0200-001 organic odor. Grab VOC's, composite for Arsenic + Metals

Also in 0,2, charred lumber

Brown SP w/ 20-50% coarse fragments. Pockets of charred lumber + surface soil

1445 Putting away equipment. BWE clearing brush in timber remains

1500 At GWTF to prepare samples for shipping. Shipping samples from 6/30 + today

1600 Leaving for day.

7/1/03

Cathy Hurst

Location Claremont Date 7/2/03

Project / Client Test Pit Sampling

CAH, RCC; 73°F (Forecast 85°), ~~hazy~~ CAH sunny

10 0605 arrive at site. Gate locked. Organizing equipment

0615 Signed in. Picked up ice.

110 0626 At debris pile to document sample locations before excavation

110 0629 Took photos of 1, 2. Pile, concrete

0630 Took photos of 2, 2. In a depression, ~~hill~~ sided concrete on surface in surrounding areas

111 0632 Took photos of 1, 3. Large pieces of concrete.

112 A "ridge"

0633 Took photos 0, 3. In a depression, large pieces of concrete, tires + wood in area

112 0635 Took photos, 1, 4. On mulch pile. Concrete, wood, metal on surface, bricks

113 0638 Took photo of 1, 5. On mulch pile. V. little surface debris

114 0640 Took photos of 1, 6. On mulch pile, west side slope. Too close to fence. Will not sample

115 Concrete, bricks, minimal debris on surface

121 0642 Took photos of 2, 6. On mulch pile, concrete bricks, pipes.

0644 Took photos of 2, 5. On mulch pile, bricks, small pieces of concrete, misc debris on surface

146 0645 Took photos of 3, 5. Large pieces of concrete, Telephone poles, blocks, pipes

Location Claremont Date 7/2/03

Project / Client Test Pit Sampling

0647 Took photos of 2, 5. Large pieces of concrete, wood, sm pieces of asphalt. Lots of surface debris

0649 Took photos of 0, 5. Not cleared, edge of mulch pile

0651 Took photos of 0, 4. In depression, some v. small pieces of concrete, 2 plastic buckets, mulch

0653 Took photos of 2, 4, Concrete, metal.

0654 Took photos of 2, 3. Concrete including large pieces, bricks, concrete blocks

0658 BWE operator onsite

Took photo of 3, 4, asphalt; bricks, some concrete in area.

0701 Took photos of 3, 3. Minimal debris, some pieces of asphalt.

0702 Took photos of ~~3, 4~~ CAH 4, 3 asphalt, ~~metal~~ CAH metal, concrete.

0705 ~~Prepar~~ CAH Setting up to excavate TP # 3, 2

0709 H+S briefing: Watch for heat stress, walking around excavations, caveins.

Print Name Sign name

Michael Bongiorno [signature]

CA Hess 7/2/03

Location Claremont Date 7/2/03

Project / Client Test Pit Sampling

0729 Collected sample CPC-00-DB-3200-001 @8' VOCs, metals + asbestos + CPC-01-DB-3200-001 VOC's BWE backfilling Testpit # 3,2

0747 Collected sample CPC-00-DB-4200-001 @5' VOC's, metals + asbestos + CPC-MS-DB-3200-001 VOCs

0804 Collected sample CPC-00-DB-4400-001A for VOCs from dark soil @ 3'

0816 Collected sample CPC-00-DB-4400-001B composite for metals + asbestos

0833 Collected sample CPC-00-DB-3400-001 VOCs, metals + asbestos

0853 Collected sample CPC-00-DB-3500-001 @3.5' CAH VOC's, metals + asbestos TP # 3,5 backfilled

0900 TP # 4,4 down to trickle. BWE backfilling

0905 RCC + BWE removing snow fences in order to backfill 4,1; 3,1; 2,1; + 1,1; as per NYUSACE

0930 Continued excavation @ TP 0,1

0957 Heads to GWTF to get PID + look for glassware

1008 Calibrating Mini RAE PID 2000 E+ S # 15232

Precal = bkg = 0.8 ppm 100 ppm isobutylene 61 ppm

Cathy Hess 7/2/03

Location Claremont Date 7/2/03

Project / Client Test Pit Sampling

100 ppm Isobutylene Lot # 2-352-12 with Tedlar bag

Post cal = 101 ppm, Bkg 0.0 ppm

Response ✓ = ok

1029 Back at debris pile to resume sampling. Setting up on Point 1,2

1055 Collected sample CPC-00-DB-1,2-00-0001A + duplicate CPC-01-DB-1200-001A for VOCs

Collected sample CPC-00-DB-1200-001B duplicate CPC-01-DB-1200-001B MS/MSD CPC-MS-DC-1200-001B for Metals, asbestos CAH SVOCs, PCBs, pesticides + herbicides; + asbestos

1130 Collected sample CPC-00-DB-1300-001A + for AML for VOC's

Collected sample CPC-00-DB-1300-001B metals + VOCs CAH asbestos + AML

1206 Collected sample CPC-00-DB-0300-001 VOC's, metals, asbestos

1215 BWE clearing trees to access 2,2

CAH to GWTF to put cooler in fridge + get additional ice

1250 Preparing to excavate 2,2

Cathy Hess 7/2/03

Location Claremont Date 7/2/03

Project / Client Test Pit Sampling

1308 Collected sample CPC-00-DB-2200-001
VOCs, metals, asbestos
1319 Collected sample CPC-00-DB-2300-001
VOCs, metals, asbestos
1343 Collected sample CPC-00-DB-2400-001
VOCs, metals, asbestos
1402 Collected sample CPC-00-DB-2500-001
VOC's, metals, asbestos
1441 Collected sample CPC-00-DB-1500-001A
+ AML for VOC's
Collected sample CPC-00-DB-1500-001B
+ AML for metals, SVOC, Pest, PCB, herb
Collected sample CPC-~~00~~-DB-1500-001B
CAH
Duplicate matrix
1511 Collected sample CPC-00-DB-1400-001
VOC's, metals, asbestos
1526 At GWTF to prepare ALSI + AML coolers
1747 Leaving site
1800 At Fedex to drop off AML samples

Cathy Hess 7/2/03

Location Claremont Date 7/15/03

Project / Client Resampling Test Pit 1, 1

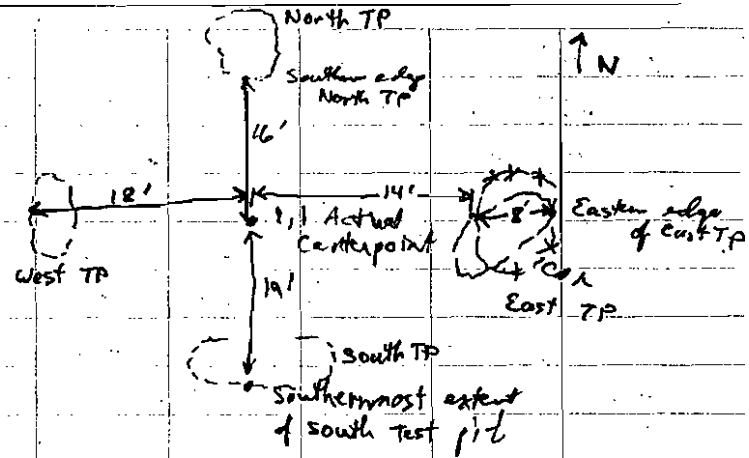
CAH ; forecast 84° F, sunny

0903 Surveyed 1, 1 location w/ Mitch Brown via northern most set stake. Location is ~ 11' west of actual excavation. As per RCC, measured from actual excavation.

0915 Started excavation of 1, 1 North
0933 Collected sample CPC-00-DB-1100-002 for metals
0950 Collected sample CPC-00-DB-1100-003 composite for metals from 1, 1 West
0956 Starting excavation of 1, 1, East
1006 Collect sample CPC-00-DB-1100-004 composite for metals from 1, 1, East
1007 Start excavation of 1, 1, South
1046 Collected sample CPC-00-DB-1100-005
duplicate CPC-01-DB-1100-005
dbl volume CPC-MS-QC-1100-005
for metals analysis
1113 Staking excavation locations for future reference
Placed stake marking southernmost edge of South test pit.

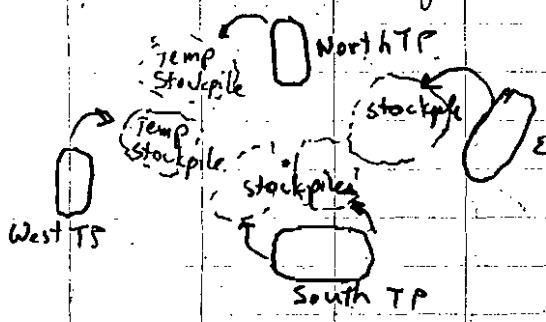
Location Claremont Date 7/15/03

Project / Client Resampling Test Pit 1,1



1120 Unable to locate east edge of West Test Pit as the area was subsequently used to stockpile soil from South Test Pit

1125 Locations of temporary stockpiles. All test pits were backfilled immediately



1140 At treatment bldg to package samples + prepare COCs.

CA Hess 7/15/03

Location CLAREMONT Date 07/15/03

Project / Client FIELD MGMT / OVERSIGHT

MJB SUNNY, 85°F ±

—	WA450 (Komatsu), DC4 (CATERPILLAR), EX270LC (HITACHI), ECONOLINE 250 (FORD), RAM 250 (DODGE), TRAILER (NY AH42102)
—	CORRIGAN BROS. INC. EXCAVATION (516-903-7705, SUB TO BLUE WATER?) CREW OF 2 (KIETH, MIKE)
1445	REPAIRS TO DC4 (HYDRAULIC)
PM	REQUESTED SITE NEAR HOT WORK (TORCHING OF REBAR) TO BE HOSED DOWN W/ WATER → RAN SAIC HOSE, BWE HOSED AREA
PM	BWE BEGAN STOCKPILING EX. ACCESS ROAD STONE AND SUBBASE PILES
PM	PERIMETER FENCE MEASURED ANG. OF 17'-9" TO EX. CHEM. BLDG.
PM	AGREED W/ BWE 14' WIDE ACCESS ROAD DUE TO PROXIMITY OF CHEM BLDG WALL AND FENCE
PM	BEGAN SEGREGATING / STOCK-PILING TIRES ON CONCRETE PAD
PM	FILTER FABRIC EXPOSED BE-NEATH TAN STONE
PM	CHEM BLDG FF ELEV. APPEARS TO EXIST 3 1/2" BELOW TAN STONE GRADE

Location CLAREMONT Date 07/15/03

Project / Client FIELD MGMT / OVERSITE

MJB

1615	AFTER DISCUSSION W/ KIETH CORRIGN, BOTH AGREED TO TRY TO SLOPE ACCESS ROAD LONGITUDINALLY NORTHWARD FROM BACK EDGE PERIM. FENCE; MUST KEEP WATER OFF CONCR. SLAB BETWEEN CHEM BLDG EXTENSIONS; MIKE BONGIORNO SORTING CONCRETE

MJB 07/15/03

Location CLAREMONT Date 07/16/03

Project / Client FIELD MGMT / OVERSIGHT

MJB SUNNY, 85± °F

0700	EQUIPMENT - 350L (CATERPILLAR), EX270LC; FORD E-250, WA450, RAM 1500/TRAILER, E7460 (MACK) (HAUL TRUCK)
0715	BWE DISLODGED CONC PAD @ N END PER. FENCE, SOMETIME PRIOR TO 0700
0730	CONFIRMED W/BURNS LOCK BACK GATE
0745	1ST LOAD CLEARED/~~GRUBBED~~ DEBRIS LOADED; LOAD WAS COVERED PRIOR TO HAULING; BEGAN ASKING QUESTIONS ON DISPOSAL SITES/APPROVALS/ SUBMITTALS MJB 07/16/03
0745	DISLODGED PAD MOVED TO STOCKPILE
0815	15' WIDE SCREEN (GRIZZLY) MOVED ON-SITE; MEASURED 4" SCREEN SPACE
0900 THRU 1115	DISCUSSED/OBSERVED R-1 THRU R-3 AGGREGATE W/ MARK SOLIMAN
1130	BWE BEGAN SCREENING
1130	BEGAN DUST CONTROL W/ AIR HOSE IN NECESSARY AREAS PER MJB
1130	NOTICED SOME LONG THIN DEBRIS WILL FALL THRU GRIZZLY; APPREC. AMT OF DUST DURING SCREENING

Location CLAREMONT Date 07/16/03

Project / Client FIELD MGMT / OVERSIGHT

MJB

1215	DISCUSSED PROJECT W/ MICKIE (BETH-PAGE PARK STABLES) (TRUCK TRAFFIC, DUST, NO PMT FOR HAY BALE, DOORS ON TRAILERS, KEEP NOISE DOWN, OUT OF HORSEPATH, RUN-OFF)
1200	DISCUSSED STOCKPILING, M>P, EX. UTIL. ALONG TREE LINE, DUST, SCREEN SIZE W/ KIETH CORRIGAN
PM	ON PHONE AT LENGTH W/ DELL SUPPORT TO FIX COMPUTER (800-456-3355-68183, LATITUDE C-800, CASE # 43554921, FIXED)
1830	>6" MTL STILL BEING MOVED IN QUAD 1
1845	1ST CAN OF STEEL REMOVED FROM SITE; MID ISLAND SALVAGE CORP 667-5040; MOVED TO DEER PARK, 1007 LONG ISLAND AVENUE
0755	SOLIMAN INDICATED HE'LL FAX ALL SUBMITTALS IMMEDIATELY

MJB 07/16/03

Location CLAREMONT Date 07/17/03

Project / Client FIELD MGMT / OVERSIGHT

MJB PARTLY SUNNY / SUNNY 90°F ±

0700	ARRIVED @ SITE
0715	UNLOCKED BACK GATE, PHOTOGRAPHED DEBRIS PILES TO-DATE
0725	TREELINES APPEAR TO HELP SCREEN DUST
0730	2 CRUSHED BARRELS FROM ≈5,0 EXPOSED, PULLED TO SIDE, BOTH ARE SEVERED/CRUSHED, APPEAR CLEAN, ONE WET @ ONE HOLE, NO ODOR; NO AB-NORMAL COLOR, WETNESS APPEARS TO BE WATER, 1-55 GALLON DRUM, 1-25 GALLON DRUM, STAYED ON-SITE
0735	CLEARED DEBRIS TRUCK LEAVING SITE, I REQUESTED "STOP", ON MACK E7-460 Z13707R (NY), CREOSOTED POLES WERE REMOVED BEFORE LOADING DEBRIS AND WERE STOCKPILED ONSITE, OBSERVED DEBRIS ON TRUCK, APPEARED VERY CLEAN, TO BE HAULED TO CUSTOM EARTH
0800	CALLED SOLIMAN, REQUESTED INFO. FOR DEBRIS / SCALES, INDICATED HE'D FAX IN 45 MIN, HELD LOAD ON-SITE
0915	TRAVELED TO T.O.B. LANDFILL, OBSERVED

Location CLAREMONT Date 07/17/03

Project / Client FIELD MGMT / OVERSIGHT

MJB

	WEIGHING OF SAID TRUCKLOAD, WAS
	ASKED BY T.O.B. PERSONNEL TO CALL
0930	ERIC SWENSON (516-677-5790),
	SUPT. OF ENV. RESOURCES, T.O.B.,
	OBSERVED 49,600 LBS, BURNS CALLED
	SWENSON, LEFT MESSAGE W/ SECRETARY;
0900 THRU	SCALES, CATHY HUSS SCHEDULE; CRONCE
1000	DISPOSAL SITES, ASPHALT CONTENT,
	ASPHALT IN ACCESS ROAD STONE; BIAN
	ON ASPHALT CONTENT, DEBRIS REMOVAL,
	DUST, HARDHATS
1000	BURNS → RESIDENTIAL TICKET, BOB
	TALKED TO RICH, SECRETARY PROB. SPOKE
	W/ RICH, APPROVAL BY T.O.B. OK
1005	CRONCE → DECISION ON ASPHALT BASED
	ON NY REG. → VISUAL %; MJB TO
	OBSERVE ALL DISPOSAL SITES/SCALES;
	NEED SAFETY MTG'S (ALL LABORERS -
	OVERHEAD HAZARDS, SEATBELTS, STOP WORK
	IF PROBLEMS)
1145	DEBRIS LOAD (CLEARED MTL) HAULED
	OFF-SITE, LOAD APPEARED CLEAN
1230	ON-SITE MTG. W/ ALL ON-SITE BWE
	PERSONNEL (SAFETY - SPRINKLERS,
	SAFETY EQUIPMENT, STAKE UTILITIES;

Location CLAREMONT Date 07/17/03

Project / Client FIELD MGMT / OVERSIGHT

MJB

	FENCE EXCLUSION ZONE, LOCK CHEM
	BLDG, PICNIC TABLE
1445	BOTH HOES SEGREGATING CONCRETE,
	1 LARGE TANK EXPOSED ≈ 4,1; NO
	ABNORMAL ODORS/LEAKS (≈ 1,000 GAL);
	SEGREGATION SLOW
1530	TURNED PUBLIC WATER ON (CHARGE?)
1700	JOE III ON-SITE
1720	JOE III OFF-SITE
1700	5,0-5,1 DUG, ON 07/16/03 (PARTIAL) AND SCREENED TO CASE GRADE
	5,0-5,3 " " 07/17/03
	4,0-4,3 " " " (" ")
	3,0-3,3 " " " (SOME)
	5,4 4,4 3,4 (PICK/STOCKPILE)
	PICK (CONCR, STEEL, MINOR CLEAR, NO TO GRADE LOWER, LARGE % CONCR, APPRES. AMT STEEL)
1750	LOCKED BACK GATE

MJB 07/17/03

Location: CLAREMONT Date: 07/18/03

Project / Client: FIELD MGMT / OVERSIGHT

MJB OVERCAST / DRIZZLE 80°F±

0700	ARRIVED ON-SITE
0705	PLANNED DAY W/ CORRIGAN AND BONGIORNO (SCREENING, ROCK/CONCR. SEGR., METAL, ROADWAY)
0720	ONE LOAD STEEL OFFSITE
0840	DISCUSSED WATER USE (PUBLIC) W/ JACKSON
0715	SAFETY MTG. (SEE REPORT)
0725	REQUESTED KEITH NOT HAUL CONCRETE UNTIL STONE IS PLACED ON ACCESS ROAD; CONCRETE NEAR BLDG EDGE OR FENCE (FENCE); SURVEY ADVANCE NOTICE VERY IMPORTANT; SCHEDULE VERY IMPORTANT → SOLIMAN TO ARRIVE IN 45 MIN TO DISCUSS SCHEDULE / WASTE MANIFESTS
0800	TURNED PUBLIC WATER ON TO SPRINKLER
0815	REQUESTED SCHEDULE / MANIFESTS FROM SOLIMAN
0845	CRONCE/SOLIMAN/ PAPERWORK (BRICKS/BLOCK RECYCLE, BWE INTENDS 4 QUADS, WATER/PUMPS/220V SOLIMAN, 10-20 GPM SPRINKLERS, SPILL PREV. PLAN W/ HASP, LIST OF TRUCKS FROM SOLIMAN TODAY)
0915 TO 1015	SOLIMAN ——↑, 1 WK BEF QUAD, SURVEY WED., OR AFTER 1ST STOCKPILE IS PLACED, R-1 SAMPLE MONDAY

Location: CLAREMONT Date: 07/18/03

Project / Client: FIELD MGMT / OVERSIGHT

MJB

1030	SHEWEN ON-SITE; POINTED OUT NEW BWE WORKER WEARING SHORTS, I REQUESTED HE CHANGE
1030-1115	BWE REPAIRS TO 350L (HYDRAULICS)
1115	CRONCE CREOSOTED TIMBER IS CLEAN; CAN STAY ON-SITE OR LEAVE SITE
1115	SHEWEN OFFSITE
1130 TO 1215	CRONCE → REPORTS END EACH DAY TO:
(07/18/03 MJB 1245)	CRONCE; DISCUSSED M&P
0730	DISCUSSED DEPRESSIONS NEAR SOIL STOCKPILE W/ KEITH → THEN WALLA INDICATED SIMPLY DIG OUT IS FROM PAYLOADER ≈ 1300
1315	LARGE CONCRETE/REBAR + 18"x24", 15-20% BY VOLUME IN. 4,0; CURVING BASE IN GRADE ACCESS ROAD EXPOSED (KEITH STAYING ABOVE); SOME AREAS 50-75% BLOCK/BRICK; LAIS CITED BURNT SCHOOL
1400	NEW SCREEN ON-SITE, FINLAY 883, REP. INDIC. FROM E. L.I. (E. COMPTON) PRIVATE SITE, NOT HAZWASTE SITE; CONSTR. DEBRIS/SAND/GRAVEL SITE, OK
1445 1600	METALS 4,1 (APPREC.), 2 TANKS OK FROM ≈ 1,2 TESTED SCREEN-MACHINE

Location CLAREMONT Date 07/21/03

Project / Client FIELD MGMT / OVERSIGHT

MJB OVERCAST / RAIN (AM), SUNNY (PM) 85°F ±, MINIMAL DUST

0 0655	ARRIVED ON-SITE
0 0700	SPOKE TO CRONCE ABOUT FRIDAY'S SCREENING
0715	MICHAEL / JOE III ON-SITE
0730	CLEAN CONCRETE 110.59G, DIRTY CONSTRUX
0 0815	WALKED SITE W/ DICK (EXCL AREA, EX UTIL.)
0 0915	FINLAY REP ON-SITE
0 0930	BWE MAINT. TRUCK ON-SITE
0 0950	SOLIMAN → FAXING CUTSHEET FOR GEO. (ALTERNATE) NOW FOR APPROVAL, SENDING STONE SAMPLE FOR MY REVIEW NOW, FAXING DEBRIS OFF-SITE MANUSCRIPTS SOON (TODAY)
0955	KEITH RESCREENED (3 TIMES)
1030	SOLIMAN 631-249-1872 -266 (DIRECT)
0 1120	SOLIMAN → USING MIRAFFI GEOMEMBRANE (PER DAN DELP)
01	(REQUESTED ID TICKET), KEITH TO (PER CRONCE/BROWN)
	KEY ACCESS ROAD TO 12" @ 12' WIDTH,
0	GEOMEMBRANE WILL BE 12' WIDTH, AGGREGATE SAMPLE (≈50 LBS) LOOKS GOOD
	(CLEAN, 3 PIECES ASPHALT, SLIGHTLY
	LARGER THAN AASHTO 57) DELIVERED
09	BY BRETZ, POSSIBLY USING OMNI
101	FOR CONCRETE DISPOSAL (DIRTY) → RE-
	QUESTED SUBMITTAL

Location CLAREMONT Date 07/21/03

Project / Client FIELD MGMT / OVERSIGHT

MJB

1220	CRONCE ASSISTED WITH TAPING OFF
	1,1 TEST PIT AND WATER/ELECTRIC
	ALONG EAST EDGE OF SITE
1200	SOLIMAN REQUESTED TAX-EXEMPT FORM
1235	CAN OF STEEL (20 CY) OFF-SITE TO
	DEER PARK
1315	JIMMIE SLEDGE DELIVERED MIRAFFI 700X GEO FABRIC (CHECKED
	RECEIPT → OK)
1320	JOHN MENSCH, SEA COAST CENTER, MORICHES, NY, 631-878-1474 (FUEL)
1355	SOLIMAN/CRONCE MTG.
	- MANIFESTS FOR ALL OFF-SITE DEBR.
	- CHASP
	- EQUIPMENT INSPECTION FORMS (BURNS)
	- WT. SLIPS TWICE WEEKLY (CONCR.)
	- OMNI POSSIBLY FOR CLEAN CONCR.
	- PROJECT SCHEDULE (SURVEY, NEW
	EQUIPMENT, GENERAL LOCATION,
	STOCKPILE REMOVAL
	- ME SIGN MANIFESTS PRIOR
1445	AK → WILL CALL ME TO SCHEDULE
1445	RELOCATED SCREEN (FINLAY)
1515	250 GAL TANK (PHOTO), NO ODOR,

Location CLAREMONT Date 07/21/03

Project / Client FIELD MGMT / OVERSIGHT

MJB

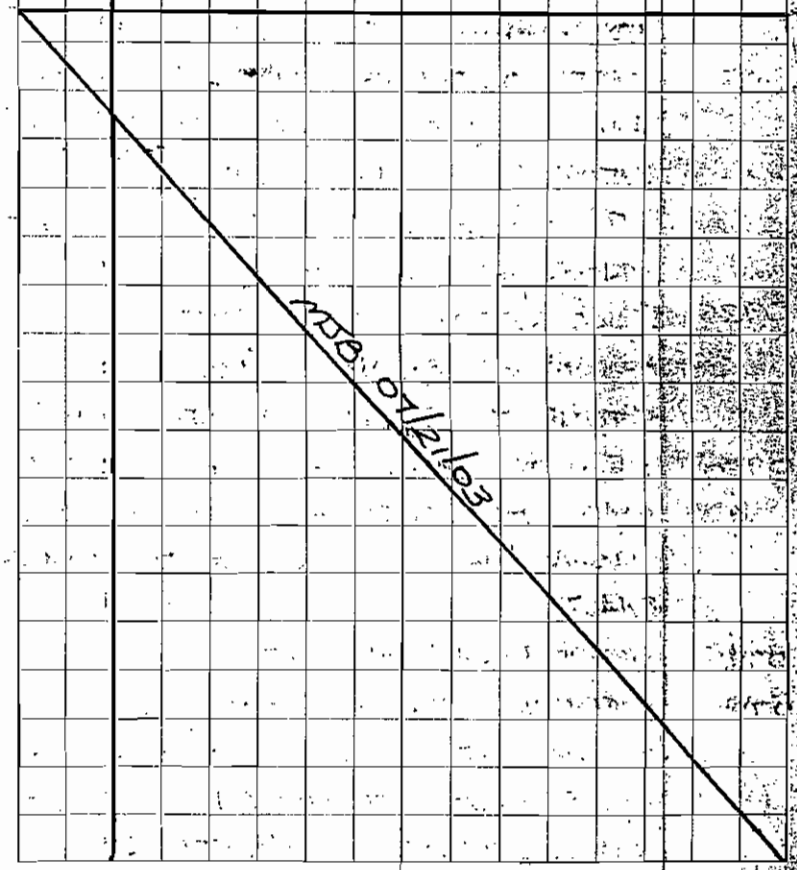
NO LIQUID, NO ABNORMALITIES (CLEAN)
3 TANKS LOADED ON 60CY CAN
FOR DISPOSAL (PHOTOS), GAVE BWE GOAHEAD
1525 PHOTO OF AUTO CHASSIS, TILE (RWB)
1530 ALL REFERENCED PHOTOS FOR 07/21/03
WERE EXCAVATED APPROX. 4,0 THRU 3,3
1535 BWE DOING GOOD JOB SEGREGATING
DEBRIS, PROCESS APPEARS TO BE IN
PRODUCTION MODE, ROUGHLY 50%
DONE WITH QUAD #1, ROUGHLY
50% FINES, 30% CONCRETE, 20% DEBR.
1555 PHOTOS OF MUNICIPAL-TYPE WASTE
EXISTING TO-DATE ON-SITE, MIKE B.
LOADED PREV. REF. TANKS TO 60CY
DUMPSTER, PER BURNS TOLD MIKE B.
TO LOAD STR. STEEL ALONG S. EDGE
OF N. CHEM BLDG EXT. (PHOTO), WILL BE
LOADED ON NEXT CAN, SHOULD CLEAN
DEBRIS FROM SITE BEFORE NEXT WK.
1610 PHOTO CLEAN TANK TAKEN FROM QUAD 1
1610 SPOKE W/FINLAY REP., JOE III ASKED
HIM TO "SOFTEN" MID-RANGE SCREENINGS,
RECALL CRONCE REQUEST FOR TOB CHECK
ON TOMORROW'S CONCRETE WEIGHS
1635 MIKE P. ON-SITE

Location CLAREMONT Date 07/21/03

Project / Client FIELD MGMT / OVERSIGHT

MJB

1700 JOE III ON SITE
TALK TO OPERATORS / MARK ABOUT
TOPSOIL ON "RIDGE" PER CRONCE
1730 800 CY JOE III ?
1800 SIGNIFICANT AMT OF STEEL STILL
IN QUAD #1



Location CLAREMONT Date 07/22/03

Project / Client FIELD MGMT.

MJB SUNNY AM THUNDERSHOWERS. PM 90°F

0800	TURNED TRUCK BACK, HAD BWE R-2 MTL ON IT
0805	KEITH HAS ACCESS ROAD CLEAUP STARTED W/ DOZER
0820	WESTERN SOLUTIONS (SUB TO EARTH-TECH) AND EARTHTECH ON-SITE, SPOKE TO TOM WILLIAMS BRIEFLY, HE INDICATED THEY WEREN'T INFORMED ABOUT GATE BEING MOVED (TO REAR ENTRANCE) AND REQUESTED SAIC TO CALL IF BUILDING BECOMES UNSECURE
0925	TOLD KEITH SILT FENCE CAN COME DOWN AT FRONT ACCESS ROAD AFTER STONE IS PLACED ON SAID ROAD
0900	NEW TRUCKLOAD OF ACCEPTABLE MTL. WAS DELIVERED → INSPECTED OK VISUAL → VERY LITTLE TO NO AS-PHALT
0945	STEVEN BIAN ON-SITE
0700	CORRIGAN BEGAN DRESSING ACCESS ROAD, I MEASURED 12" @ 12', TOLD KEITH TO EXCAVATE DEEPER IN SOME AREAS, ROADWAY BED WAS ACCEPTABLE < 0900.

Location CLAREMONT Date 07/22/03

Project / Client FIELD MGMT.

MJB

1045	2ND TRUCKLOAD OF AGGREGATE APPLIED TO ROAD, MTL LOOKS OK
1045	SOLIMAN → WILL REQUEST MISC PAPERWORK FROM CRONCE/BURNS
1045	SCREENING PROCESS DOWN SINCE ≈ 0930 → MAKING REPAIRS
1105	2ND TRUCK OFFSITE
1110	10-WHEEL (3RD) LOAD STONE ON-SITE JOHN MARTARELLO
1120	SCREENING NOW BACK IN OPERATION
1125	PLENTY OF STONE BEING PLACED
1130	3RD TRUCK OFFSITE, TOLD SOLIMAN CORRIGAN NO MORE FINES (OBSERVED SOME IN LAST LOAD/PROB BOTTOM OF PILE
1135	OBSERVED MINOR STEEL IN GRIZZLY FINE SCREENINGS (KEEP AN EYE ON)
1140	PHOTOS OF QUAD 1, STILL SEE → APPREC. AMT OF DEBRIS (TALK TO CRONCE ABOUT MIN. FINES REMAIN), → >45° SLOPES, SLOW DOWN GRIZZLY DUMPING, CLEAN GRIZZLY
1155	4TH TRUCKLOAD ON-SITE (TRAILER) AGGREGATE LOOKS GOOD

Location CLAREMONT Date 07/22/03

Project / Client FIELD MGMT.

MJB

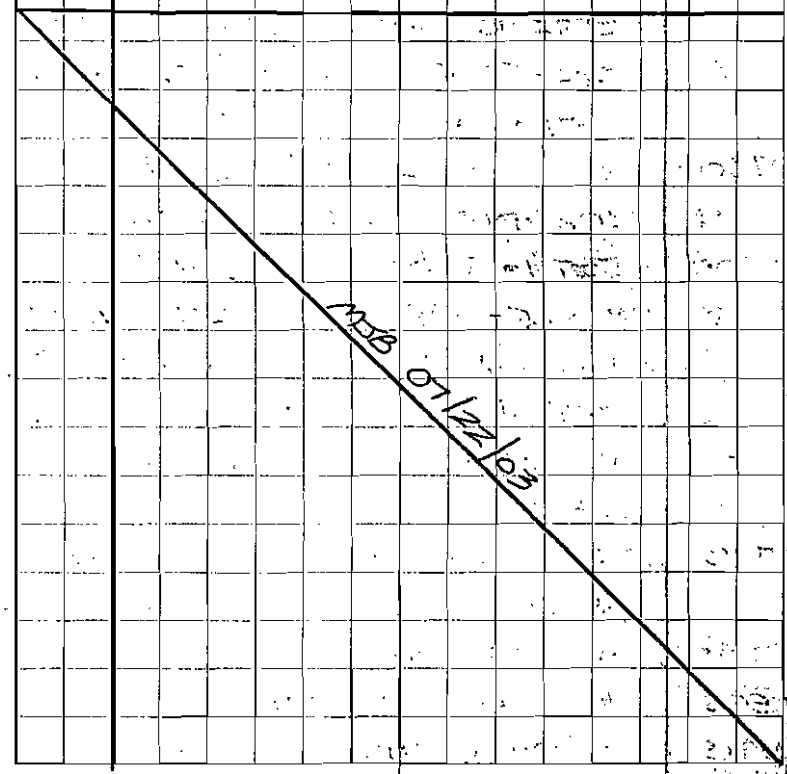
1225	4TH TRUCK LEFT SITE
1250	KEITH DRESSED UP BACK END OF ACCESS DRIVE, TOLD KEITH TO CHECK FR. R. TIRE ON PAYLOADER, LOOKED LOW
1300	OK'D KEITH TO MOVE FINE ORIG. ACCESS BR. AGGREGATE TO FINE PILE, PHOTOS OF FULL STEEL CONTAINER, → PHOTOS OF 350 DIGGING INTO FAIRLY FINE DEBRIS PILE DEBRIS
1310	CONFIRMED EX. CONCRETE STOCKPILE IS < 10% 6" AND SMALLER (PHOTOS)
1350	REPLACEMENT STEEL CAN ON-SITE 36236 PA (DEER PARK) 30 CY CONT.
1435	CRONCE → EXCAV. WELLHEAD, BURNS ON ADDL. SURVEY, CONCRETE (DIRTY) BEING LOADED FOR 1ST TIME
1500	1ST LOAD CONCRETE OFFSITE TO CONSTRUX, SCREEN WAS RELOCATED TO NW
1540	LIGHTNING STORM → ALL OPS SHUT DOWN
1515	SURVEYORS ON-SITE, TALKED TO THEM ABOUT NEXT SURVEY.
1540	SURVEYORS OFF-SITE
1650	WESTEC OFFSITE

Location CLAREMONT Date 07/22/03

Project / Client FIELD MGMT

MJB

1655	SPOKE TO SOLIMAN → PROPOSED USING ALT. CONCRETE HAULER, I REQUESTED THEY MAKE SUBMITTAL PER SECTION 2100, ESP. 302.H STILL WAITING FOR TOM WILLIAMS
1550	CALLED BURNS, TOLD HIM SHEWEN CALLED FOR HIM RE: CALL FROM EPA AND TOLD HIM ABOUT ALARMS



Location CLAREMONT Date 07/23/03

Project / Client FIELD MGMT

MJB OVERCAST / RAIN AM, SUN PM 85°F

0705 1ST TRUCK CONCR. ~~LEFT SITE~~
WELL MADE OR LOW PRO
0720 BOTH 1ST & 2ND TRUCK CONCR.
LEFT SITE, SLIGHT TROUBLE
2ND DRIVER ANGRY @ LOADING
OF TRUCK, KEITH SPOKE TO
DERRICK
0740 DERRICK LOADING CONCRETE AND
SIFTING QUAD 1, PHOTO OF
SEMI-FINE COURSE MTL. FROM
YESTERDAY
0730 TRUCK W/CAN FOR STEEL TURNED
BACK DUE TO EX. CAN NOT FULL
0700 KEITH & I DISCUSSED 45° SLOPES
SLOWER GRIZZLY, SITE CLEANUP,
MUN. WASTE DUMPSTER BY BWE,
STAY AWAY FROM QUADS 3 & 4
"RIDGES", SURVEYORS FINISHING
SURVEY
0745 MIKE SORTING GRIZZLY CONCRETE
WALLA & LUIS SORTING STEEL
0850 3RD LOAD 2ND TRUCK LEFT
0855 2ND SCREEN ON-SITE
0915 3RD TRUCK 2ND LOAD OFF
0920 1ST TRUCK 4TH LOAD OFF

Location CLAREMONT Date 07/23/03

Project / Client FIELD MGMT

MJB

√ - CHECKED W/ JOE # LOAD; √ - CHECKED W/ FRANK TALLY (LENE SITE)

CONCRETE (7586) TRUCK 1	(7587) TRUCK 2	(1642) TRUCK 3	(1708 / 7584)
√ 07~~05~~ 20 (1)	√ 0720 (2)	√ 0823 (5)	
√ 0800 (3)	√ 0815 (4)	√ 0915 (8)	
√ 0845 (6)	√ 0850 (7)	√ 0945 ~~(?)~~	(11)
√ 0920 (9)	√ 0930 (10)	√ 1020 (14)	
√ 0955 (12)	√ 1000 (13)	√ 1054 (17)	
√ 1028 ~~[illegible]~~ (15) MJB	√ 1035 (16)	—	
√ 1057 1108 (18)	√ 1058 1113 (19)	√ 1117 1124 (20)	
√ 1133 1142 (21)	√ 1138 1148 (22)	√ 1150 1200 (23)	
√ ~~1315~~ (24)	√ ~~1310~~ (25)	√ 1305 (26)	OFF-SITE
√ 1315 (27)	√ 1310 1321 (28)	√ 1335 1340 (29)	
√ 1338 1352 (30)	√ 1345 1404 (31)	X — (32)	
—	—	1525 1537 (33)	

X - CHECKED W/ KEITH

1650 PREL. WT. EST. 712± TON

NOTE: 31 & 32 WERE CHECKED
@ T.O.B.
(KEITH HELPED OUT A LOT!!)
: ALSO, 32 & 33 WENT TO CONSTRUX
: I OBSERVED 31 @ TOB & FULL
@ ~~80~~ 110 SMG

MJB 07/23/03

Location CLAREMONT Date 07/23/03

Project / Client FIELD MGMT

MJB

0930	4TH LOAD 2ND TRUCK OFF
0945	3RD LOAD 3RD TRUCK OFF
0955	5TH LOAD 1ST TRUCK OFF
1010?	4TH LOAD 3RD TRUCK ON
~~1020~~ 1033	6TH LOAD 1ST TRUCK ON
1035	HEREAFTER REFER TO TABLE PREV. PAGE
1045	TRICK 3 5TH LOAD ON
1057	TRUCK 1 7TH LOAD ON
1125	KEITH SCREENING W/ NEW MACHINE
	LUIS/WALLACE PICK STEEL NEW MACH.
	NEW LABORER PICK STEEL EX. MACH.
→	PHOTOS OF FINE MTL. EDGE QUAD 4
→	PHOTOS OF NEWLY SCREENED MTL.
→	(MEASURE SCREEN SIZE)
→	NOT MUCH PROTECTION FOR LUIS/WALLACE
1150 →	HAVE TO TALK ABOUT COURSE MTL.
1310	JOE III WILL USE 3RD SCREEN TOMORR.
	I REQUESTED MOVE 2ND OFFSITE
	DUE TO INCORRECT GRADATION AND
	SAFETY ISSUES
1420	← LOAD 31 @ TOB SCALE
1425	71120 HORAN @ T.O.B. SCALE
1555	OBSERVED INTO BASEGRADE @ S.
	EDGE OF QUAD 4 (PHOTOS)
1600	ORANGE FINLAY SCREEN DEMOB.

Location CLAREMONT Date 07/23/03

Project / Client FIELD MGMT

MJB

1610	SPOKE W/ KEITH → TOMORROW CLEAN
	UP DAY ONLY, NO LOADS OFFSITE,
	LOAD MUN. WASTE, CLEAN SITE TO
	BASE GRADE, STEEL OFFSITE
	POSSIBLY, GATHER DISPERSED
	PILES, GRIZZLY COURSE SCREEN-
	INGS, DEMOB. 2ND SCREEN
→	
1625	NEED SLIP FOR LOAD # 33
→	NEED BWE SIGN. ON LOAD 32 & 33
1600 TO 1695	KEITH CLEANING UP W/ DOZER (NICE WORK, NICE JOB, NICE GESTURE)
1745	SPOKE TO HORSE FARM, NO PROBLEMS
	TO-DATE

MJB 07/23/03

Location CLAREMONT Date 07/24/03

Project / Client FIELD MGMT

MJB OVERCAST 83°F

0700 THRU 0845	ASSISTED CATHY WITH EXPOSE OF EX. WELL WEST OF OLD CHEM BLDG
0845	COMPLETING PAPERWORK AND PERIOD. MONITORING CLEANUP WORK ON DEBRIS SITE
0930	SPOKE W/ EARTHTECH PERSONNEL REMOVING GATE, GATE IS REMOVED

MJB 07/24/03

Location CLAREMONT Date 07/24/03

Project / Client FIELD MGMT

MJB

0730	SPOKE TO KEITH/MIKE ABOUT TODAY'S PLAN, GENERALLY CLEAN UP SITE FOR EFFICIENT STAGING, I REQUESTED THAT THEY PULL ALL FACES TO NO MORE THAN 45° TODAY YET
1030	SPOKE TO JIM JACKSON ABOUT WHITE TRUCK/FAST/HORSE ACADEMY (EARTH TECH?), DRIVING IN STONE (BWE?), HYDR. FLUID LEAKS (BWE?)
1100	SPOKE W/JOE III ~~472*6804~~ #85/TON + #100/HR CREOSOTED LUMBER DAMIAN DONAGHY (EXTEC), FINAL ONSITE JOHN UNDERWOOD (JDP) (350 TIRE REPAIRS TO)
1135	STOCKPILING FINES TO MORE CONDENSED PILE (MIKE), NEW SCREEN TO BE HAULED ON-SITE TODAY OR TOMORROW, 4" SCREEN, PROB. STILL NEED GRIZZLY
1207	GAVE SHEWEN A BY-PHONE STATUS REPORT
1234	GAVE CRONCE A BY-PHONE STATUS REPORT

Location CLAREMONT Date 07/24/03

Project / Client FIELD MGMT.

MJB

1300 REVIEWED WEIGH SLIPS, SUBMITTALS, ETC. W/ SOLTMAN ON-SITE; REQUESTED INSPECTION FORMS, SLIPS FOR STEEL, SCHEDULE

1400 LOAD STEEL OFF-SITE ?

1600 SPOKE W/ KEITH AND JOE III, BWE MIGHT NOT BE ON-SITE TOMORROW, JOE III WILL CALL BACK RE: MONDAY

1800 COMPLETED PAPERWORK

1815 PHOTOS OF DAY'S SITE PROGRESS, PHOTOS OF 4 DEBRIS PILE SLOPES → ! > 1:1 → WROTE E-MAIL TO BWE TO GRADE TO NO MORE THAN 1:1 ON 07/25/03 (SAFETY CONCERN);

→ MONITOR BASE GRADE, MONITOR SCHEDULE → NEED PRODUCTION NOW, 8 DAYS INTO 20-DAY SCHEDULE AND ONLY 10% TO 20% OF SITE IS COMPLETE

2000 WALKED SITE W/ CATHY, DESCRIBED PERTINENT CRITERIA, GAVE HER MY DAILY CHECKLIST, DESCRIBED MY EMAIL TO MARK AND TO INSPECT ITS REQUIREMENTS ON 07/25/03; DISCUSSED SAME W/ MARK S. @ 2005 ON CELL 07/24/03

Location Claremont Date 7/25/03

Project / Client Field Mgmt.

CAH; Low 40's, sunny

1015 BWE arrives. As per Keith: plan do work on slopes + clean up. Screen is at shop waiting for delivery of 4" screens. Keith + Mike on-site

1030 Attended RTB safety briefing

1045 BWE was scraping in work area to the NW of tree. CAH stopped + asked them not to lower the grade. They said they were cleaning area where screen had been located. CAH + RTB asked them to leave that level of cleaning for another day later in project

1050 350 Cat adding to screen stockpile; Dozer moving + adding to fines pile

1058 Verified that hazardous waste exclusion zone is properly staked

1100 Took photos from top of pile looking South

1109 Just noticed that BWE has pulled down slope. At this time, can't get good vantage point to check angle due to active work zone

1119 BWE piling large concrete, loading in dozer + adding to stockpile

Put 2-4' blobs of asphalt in trash roll-off

1135 Call to Mitch about asphalt in trash roll-off

(1) CAH to ask Keith where the roll-off is going

(2) Is that what they usually do w/ asphalt?

(3) Ask RCC about characterization + Com. EPA.

Location Claremont Date 7/25/03

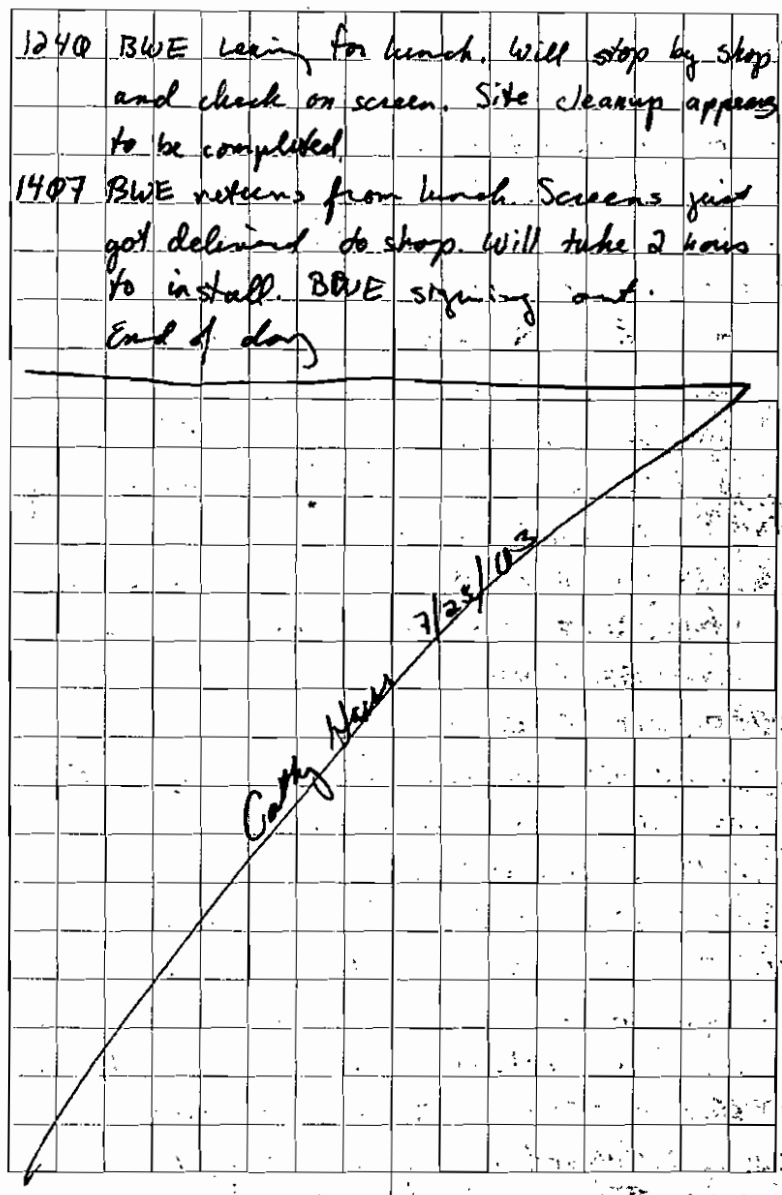
Project / Client Field Management

1136 To GWTF to call RCC since cell battery needs change.
On dirt road directly east of CAT. Slope is at 1:1 or better.
1138 Took photos of current ops.
1142 Talked to Keith about asphalt in roll-off. He said he probably shouldn't have + will take it out to avoid issue.
Cleaning out smashed tank 5' x ~3' Very faint petroleum odor. Empty, odor is just barely noticeable.
CAH 7/28/03 comment
1200 Call to RCC. As per permit received from BWE, construction debris in clean asphalt.
1205 Chevron arrives for update.
1218 Back at work area. BWE now using Hitachi to pick up metal piled just north of fines pile. Loading into roll off.
1223 Took photo of tank reported at 1142.
1230 Took PID reading on tank. Although got high reading of 33 ppm, the PID is reacting as if it's moisture + not VOC's. In addition, the sick PID has not been reliable lately.
1235 BWE removing 2 piece of asphalt from rolloff + putting near creosoted wood pile.

Location Claremont Date 7/25/03

Project / Client Field Management

1240 BWE leaving for lunch. Will stop by shop and check on screen. Site cleanup appears to be completed.
1407 BWE returns from lunch. Screens just got delivered to shop. Will take 2 hours to install. BWE signing out.
End of day.



Location CLAREMONT Date 07/28/03

Project / Client FIELD MGMT

MJB SUNNY AM; PARTLY SUNNY PM; 84°F

0645	KEITH CALLED TO INFORM 1 CONSTRUX LOAD OFFSITE
0700	1 TRAILER LEFT SITE (CONSTRUX) CONCRETE
0710	REVIEWED SAFETY AND OPERATIONAL PROCEDURES ON ROBOTRAC SCREEN (JUST HAULED ON-SITE APPROX. 0645)
0720	COLM MCDERMOTT 631-748-5109 ARRIVED ON-SITE APPROX 0720 (ROBOTRAC REP.)
0710 (CONT)	WITH KEITH, JOE III, WALLACE, LUIS, MIKE; DECIDED THAT COURSE SCREENINGS STILL WILL BE GRIZZLIED FOR FINAL PRODUCT; DUE TO FALLING DEBRIS, NO LABORERS WILL PICK STEEL FROM ROBOTRAC, THIS WILL BE DONE FROM THE GRIZZLY
0730	NOTICED LARGE ROCKS BEING SEGREGATED FROM CONCRETE; ROBOTRAC APPEARS TO BE DOING VERY NICE JOB SCREENING, I BELIEVE IT CUTS DOWN ON AMT. OF MTL. NEEDING TO BE GRIZZLIED, NEED TO MONITOR COURSE GRIZZLY SCREENINGS, NEED TO CLEAN GRIZZLY
0800	STEEL CONTINUES TO BE CRITICAL CHARLES METZGER WESTON STEVE CANNON

Location CLAREMONT Date 07/28/03

Project / Client FIELD MGMT

MJB

0830	SHEWEN OFFSITE NEXT WEEK AND FOLLOWING WEEK
0855	DOWNLOAD PICTURES TODAY FOR SHEWEN
1037	RALPH ANDERSON WILL FAX VOLUME ESTIMATES IMMEDIATELY (1150 CY)
1140	FINISHED SITE WALK-AROUND W/ CHRIS FONTANA; DISCUSSED ASBESTOS, SAFETY VESTS, ETC.
1200	EQUIPMENT SAFETY MTG → I SUGGESTED TO FONTANA/BURNS TO CONDUCT SAFETY MTG ON ON-SITE EQUIPMENT/SCREENS
1300 ±	SPOKE TO CRONCE ABOUT VOLUME ESTIMATES, SURVEY FAX FROM AK → FAXED AK FAX TO CRONCE
1400	TESTED (SUCCESSFULLY) SCREEN (ROBOTRAC) EMERGENCY SHUTOFF SWITCH
1410	DISCUSSED RECEIPTS FOR STEEL/DEBRIS REMOVAL W/ CRONCE
1415	REQUESTED METZ TO DELIVER 30 CY DUMPSTER FOR MUN. WASTE

Location CLAREMONT Date 07/28/03

Project / Client FIELD MGMT.

MJB

1600	SPOKE TO JOE III → SCHEDULE, WED PROGRESS MTG, GRIZZLY SIZE REQUIREMENTS; SCREENING GOING WELL
1605	SENT E MAIL TO SORMAN REFERENCING HIS 07/28/03 FAX RE REQUESTS FROM JAIC; SCREEN HAS BEEN RELOCATED ONCE ALREADY (GOOD!)
1700	1. INFORM ME OF ALL DEBRIS REMOVAL
	2. STEEL SLIPS
	3. EQU. INSP. FORM (END OF DAY
	4. DAILY SIGN-IN MTG. NOTES)
	5. MANIFESTS
	6. SAFETY MTG. 7AM ASPHALT
	7. SURVEY TIRES
	8. ASBESTOS CH.L. FENCE
	9. DUST CREOSOTE
	10. 45° SLOPES BATTERIES
	11. TEST PIT BASE GRADES
	12. WASTE CHARACTERIZATION →
	13. MUNIC. WASTE
	14. TOPSOIL PILES
	15. STOCKPILES
	REVIEWED ALL W/KEITH, MIKE, LUIS, WALLACE
	JDP GREEN DUMPSTER IS ODD

Location CLAREMONT Date 07/28/03

Project / Client FIELD MGMT

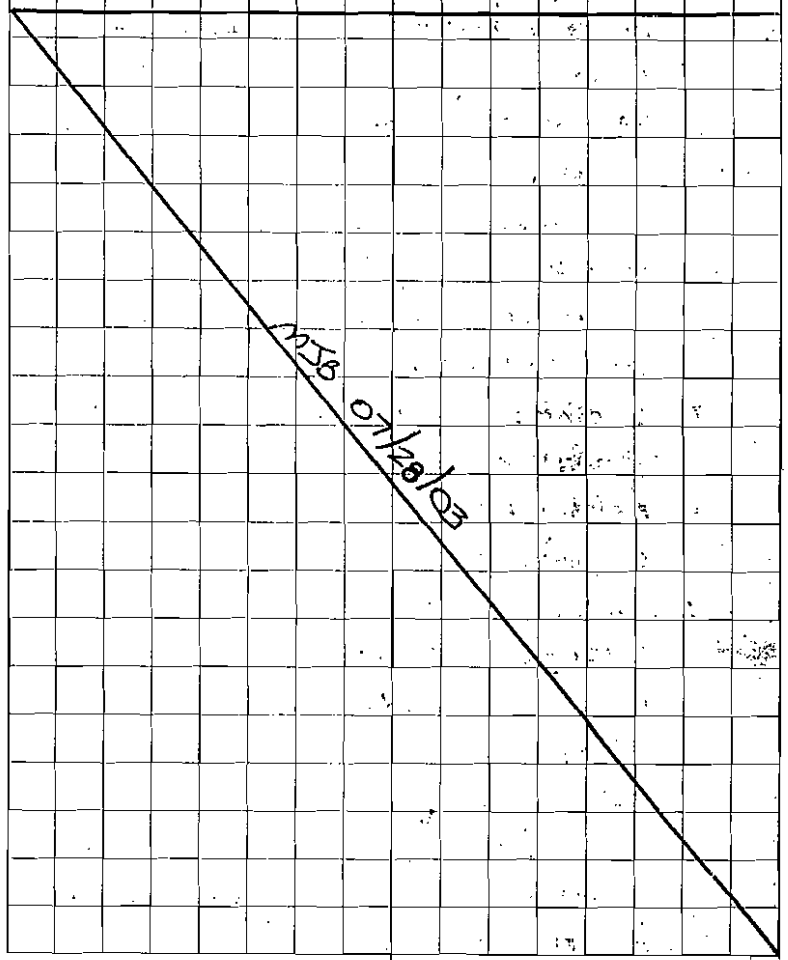
MJB

→ (ME SCHEDULE) 667-5040 MID ISLAND: SALVAGE

→ CALL SURVEY FOR WED./THURS.

2:30 CONCRETE OFF-SITE TOMORROW

1800 PHOTOS OF TANK (NO ODOR, NO ABNORMALITIES)



Location CLAREMONT Date 07/29/03

Project / Client FIELD MGMT.

MJB PARTLY SUNNY AM, SUNNY PM 85°F

0650	ARRIVED ON-SITE
0700 TO 0715	ATTENDED SAFETY MTG.
	KEITH → WILL CALL PRIOR TO CONCRETE HAULING TODAY
0715 TO 0740	PAPERWORK AND FILE TRANSFERS
0740 TO	OBSERVE SITE
0800	RALPH ANDERSON → REQUESTED SURVEY 1430 TOMORROW,
	QUADRANT 1 WILL LIKELY BE COMPLETE TODAY,
	SOME SEGREGATION OF STEEL OCCURING AT THE BACK OF THE ROBOTRAC (PHOTO)
0807	WALLACE SHUT ROBOTRAC DOWN FOR HOURLY CLEANING,
	RECALL KEITH SAYING CAT 350 WILL BE DEMOBILIZED SOON AND REPLACED WITH SMALLER LOADER WITH "THUMBS"
0814	WALLACE RESTARTED ROBOTRAC (7 MIN),
	KEITH GRIZZLYING W/ 2 LABORERS,
	LARGER CONC IS ABLE TO BE SCREENED DUE TO HEAVY-DUTY TOP SCREEN
0822	REQUESTED WALLACE TO REMOVE KEY FROM ROBOTRAC WHENEVER CLEANING OCCURS,
	CALLED MID ISLAND FOR PICKUP OF STEEL AND MID ISLAND SAID ONE WOULD BE DEL. TODAY

Location CLAREMONT Date 07/29/03

Project / Client FIELD MGMT

MJB SUNNY AM,

0847	SPOKE TO HUSS ABOUT VOLUME EST,
	SHE WILL SEND ME A SPREADSHEET
	TODAY ON GRID-BY-GRID VOL EST.
0900	MIKE BUILT ACCESS ON TOP OF FINES STOCKPILE
0930	METS 30 CY CONTAINER DROPPED ON-SITE
0945	SHEWEN BIAN ONSITE / OFFSITE
0950	2 EARTHTECH PERSONNEL ON-SITE
	JUST INSIDE 1ST GATE
1000	SPOKE TO NICKIE ABOUT ANY PROBLEMS, COURTESY CHECK, NO PROBLEMS W/ DEBRIS REMOVAL PERSONNEL, ONE DAY WHITE TRUCK/VAN TRAV. TOO FAST → EARTH TECH I BELIEVE
1000	PAPERWORK / REPORTS / FILE XFER
1030	CRONCE ON-SITE: RED LINE ESS PLAN
1055	STEEL LOAD OFF-SITE (PHOTOS)
1100	CALL MID ISLAND FREE / DRIVER
1125	CRONCE → WRITTEN SCHEDULE, CHRIS ON ASBESTOS CELL, VOLUMES NOW, 2 SCREENS AFTER 2ND QUADRANT, VOLUMES WILL BE FOCUS HENCEFORTH,
1150	MORE DUST TODAY. (MONITOR)
1220	SPOKE TO KEITH ON PROCESSING (GRIZZLY STILL GIVE BEST PRODUCT)

Location CLAREMONT Date 07/29/03

Project / Client FIELD MGMT.

MJB

1230 TO 1530	PAPERWORK/REPORTING
	SIGNIFICANT AMT OF DEBRIS STILL EXISTS IN EARLY STAGES OF QUAD 2 (SEE PHOTOS)
1540	PHOTOS OF WATER SEEPING FROM DEBRIS PILE FACE AND PUDDLED @ BASE GRADE, NO ODORS, MINOR OIL SHEEN BUT NOT IN SIGNIFICANT AMOUNTS, SOIL AND DEBRIS IN DEBRIS PILE FACE IS MUCH WETTER THAN PREVIOUSLY, APPEARS TO BE RAINWATER THAT WAS CONTAINED WITHIN MISC. "CUPPED" DEBRIS
1610	PHOTOS OF WATER PUDDLE AND "BASE GRADE" ASPHALT BASE, BWE STILL DOING GREAT JOB SEGREGATING STEEL, CREOSOTED LUMBER, BATTERIES
1615	BWE BEGAN END OF DAY CLEANUP
1640	MIKE BREAKING DEBRIS FACE W/ 350
1645	GET SURVEY SHOT ON ASPHALT BASE
1700	MICROFICHE
1700	JOE II ONSITE, CONSIDER FINAL DRAINAGE DISCHARGE DIRECTION/POINT
1725	WHERE PLACE LARGE ROCKS?
1830	LEFT SITE

Location CLAREMONT Date 07/30/03

Project / Client FIELD MGMT

MJB PARTLY CLOUDY 89°F

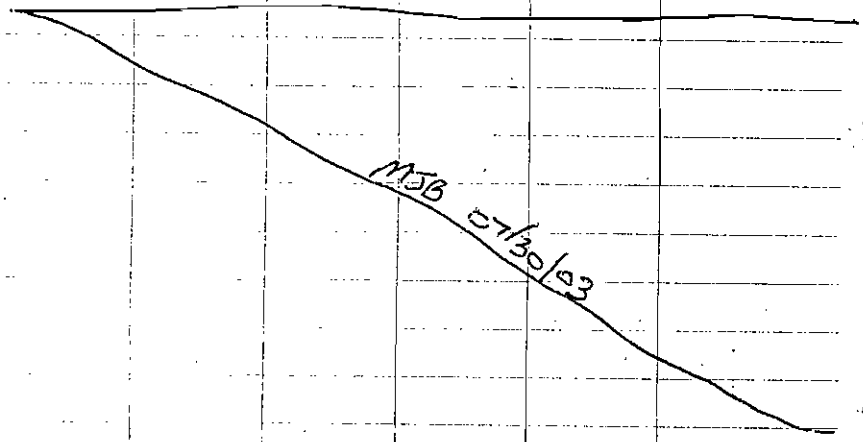
0645	ARRIVED ON-SITE
0700	SAFETY MTG., SIGN-IN, REC. DAILY EQU. INSP. SHEET
0730	TURNED ON PLANT WATER DUST CONTR. (ACCESS AREAS ONLY)
0735	MTG. PREPARATIONS
0740	INSUFFICIENT PRESSURE FOR DUST CONTROL → CALLED SOLIMAN
0750	KEITH SENT JDP TRUCK FOR TARE WEIGHT → INTEND TO HAUL 2 LOADS TODAY (THIS MORNING)
0800	EXPLAINED MANIFEST TO WALLACE, HE'LL TAKE CARE OF MANIFESTS TODAY
0845	PAD DESIGN, SCREEN SIZE (MIKE P.)
0900	PROGRESS MTG
1100	SITE WALKOVER, FLOOR TILE (ASB?)
1135	ORDERED NEW STEEL DUMPSTER (TOM.)
1300	RECEIVED STEEL DUMPSTER, NEED TICKET
1440	CRONCE → SURVEY YELLOW EASTERN SITE DELINEATION/REDLINE E-S
1445	SURVEYORS ON-SITE (REQUESTED YELLOW EAST SIDE TAPE SURVEYED)
	TODD COGAN → CONSUMERS MARKOUT FOR WATER LINE LOCATION WORK,
	SIGNIN, BASEMAP, BASEGRADE, EXCL. ZONE

Location CLAREMONT Date 07/30/03

Project / Client FIELD MGMT

MJB

1520	BASE GRADE ASPHALT APPEARS, BEG QUAD 2 MUCH LOWER THAN 1ST FLOOR ELEVATION OF OLD CHEM. BLDG., SAND APPEARS FROM BLDG. 12' AWAY, THEN MIKE FOUND ASPHALT EST. 5' BELOW FIRST FLOOR ELEV. OF CHEM BLDG. DEBRIS SMELLS OF CREOSOTE AND BURNT WOOD, SIGN. AMT. CONCR./STEEL (PHOTOS)
1535 1607	DONALD MULLALLY - POWERSCREEN
~~153~~ MB	REQUESTED TICKET FROM MID ISLAND
	800 CY/DAY, REMEMBER COMPACTION, 2 TONS/CY
1630	WATER IN QUADRANT 2 CORNER, SCHEDULE, WORKFORCE, WEEKENDS, DICKS PROPOSAL → DISC. W/SOLOMON



Location CLAREMONT Date 07/31/03

Project / Client FIELD MGMT.

MJB SUNNY AM, CLOUDY PM 90°F

0700	ARRIVED AT SITE
0800	TIMECARD, PAPERWORK
0945	SITE WALKOVER
	GETTING INTO SAND (BASE GRADE) APPROX. 20' INTO QUAD 2 (NE CORNER), SOME FLOOR TILE, SOME BURNT DEBRIS, STILL SEE CONCRETE ON NORTH FACE,
→	WRITE UP DAILY MAP PROGRESS REPORT,
	LOOKS AS IF NEED MORE PRODUCTION TO FINISH ON TIME (LOT MIX QUAD 2A),
→	STOCKPILE LOCATION WILL BECOME AN ISSUE (REQUEST LAYOUT PLAN)
0950	JOE III ON-SITE
0955	DUST REL. LOW EXCEPT ACCESS AREAS
1000	CALLED RALPH AND. → FRI/MON. SURVEY
→	QUAD 2 BASE, I'LL CALL GET CONTR.
→	ACTS ADDRESS/CONTACT (S), CALL FRIDAY LATE MORNING TO CONFIRM
→ 1005	GET RID OF DEBRIS, ROCKS (SPACE), DO WE WANT TO SPREAD SOIL ???, GET RID OF OTHER SCREEN, NEED TO DELINEATE BOUNDARY
1150 TO 1400	CATHY - MID ISLAND (FAX SLIP) PAPERWORK

Location CLAREMONT Date 07/31/03

Project / Client FIELD MGMT

MJB

1400	WALKED CADMIUM SITE W/TODD FABY,
	SPOKE W/RODNEY MYERS → COMPOSITE
	SAMPLE @ 2 "HOT" TEST PITS
1405	WORK PROGRESSING WELL, APPROX. 30%
	COMPLETE W/ QUAD 2, SIGNIF. AMT.
	OF CONCR. & STEEL DEBRIS YET
1410	GET DUST CONTROL IN PLACE BEFORE
	TRUCKS BEGIN HAULING CONCRETE 08/01
1450	ORDERED DUMPSTER FROM MID-ISL
1645	RALPH AND. → TINS < PILE E. SIDE,
	MONITOR, I'LL CALL ON SURVEY TOMOR.
1830	KEITH → STOCKPILE AREAS/LOCATIONS

MJB 07/31/03

Location CLAREMONT Date 08/01/03

Project / Client FIELD MGMT

MJB OVERCAST 85°F RAIN

0700	ARRIVED ON-SITE
0705	SAFETY MTG [redacted]
0730	NEW LOADER OFFLOADED ON-SITE (JDP 245
	KOMATSU LOADER W/ THUMB ON BUCKET),
→	TALK TO KEITH ABOUT OFFLOADING ON
	PAVEMENT, USE ACCESS ROAD OR
	STAGING AREA INSTEAD, JOE III/PAUL
0745	2 LOADS (TRAILERS) OFF-SITE
0920	T.O.B. WRITE TO HIS COMMISSIONER; NOT OVER 80,000#; PAT @
	SCALE; WORKING, ERIC SWENSON →
	SUPT. OF ENV. RESOURCES,
	JAMES M. BYRNE
	COMMISS. OF ENV. RESOURCES
	150 MILLER PLACE
	SYOSSET, NY 11791
	516-677-5730 (FAX)
	VERBAL OK
0945	BURNS → LETTER TO TOB
0955	123100 → KEITH (2ND LOAD, 1ST TRUCK)
	#6860 (2ND LOAD, 2ND TRUCK)
	PAT SCANLON
→	JOE III → OVERWEIGHT PERMITS
1055	SEA COAST DELIVERY

Location CLAREMONT Date 08/01/03

Project / Client FIELD MGMT.

MJB

1150 21370TR TRUCK 204

1355 DONNIE → MACK 205 21371TR

SPECTEC 682 ~~21371TR~~ AD20119

LEFT SITE 1403

1405 MIKE → MACK 204 21370TR VIN 1M1AA18Y6XW113931

SPECTEC677 AD 20114

LEFT SITE 1420

1415 TOOL VILLAGE OF LOWLOADER FR.L, TIRE

1425 → NEED TO ADDRESS STORMWATER, STILL HITTING DEBRIS > 6" (MOSTLY CONCR) @ WEST END QUAD 2, SOME FLOOR TILES IN DEBRIS IN QUAD 2

1445 BOBCAT ON-SITE

→ STEEL OUT OF QUAD 2E, (DICK) DELINEATE2E, ASPHALT/REBAR IN CORNER,

1515 LAST 204" LOAD LEFT @ 1515

MJB 08/01/03

Location CLAREMONT Date 08/04/03

Project / Client FIELD MGMT

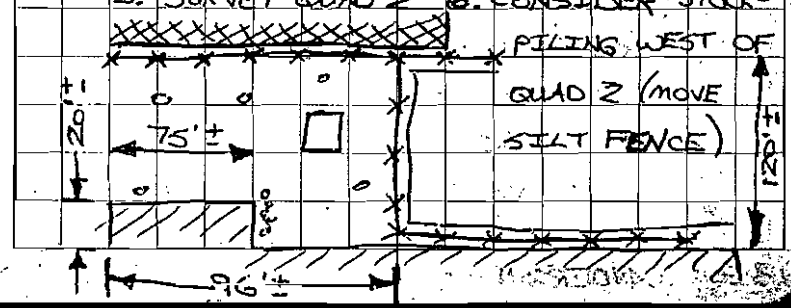
MJB OVERCAST DRIZZLE 90°F AM PARTLY CLOUDY

0830 CRONCE → DISCUSSED FRI/MON PROGRESS, AREA WEST OF QUAD 2 PHYSICAL IMPEDIMENT → TOPSOIL AREA OVER AREA WEST OF QUAD 2, ASCERTAIN QUANTITY OF MUNICIPAL WASTE / CREOSOTE FOR CORPS

0900 250 GAL OIL TANK (CRUSHED W/HOLES) UNCOVERED IN QUAD 2 (PHOTOS), HAS MINOR OIL SHEEN AND RESIDUE BUT NOTHING MORE THAN RESIDUE, WILL BE DISPOSED W/ STEEL

0915 OBSERVED QUADRANT 2 AND AREA WEST OF QUADRANT 2 (PHOTOS), RECOMMEND:

1. DRESS UP WEST EDGE OF QUAD 2
2. REPLACE FILL NEAR CHAINLINK FENCE
3. CLEAN MINOR DEBRIS AND STEEL FRAME IN AREA WEST OF QUAD 2
4. ADD TOPSOIL TO AREA WEST QUAD 2
5. SURVEY QUAD 2 6. CONSIDER STOCK-PILING WEST OF QUAD 2 (MOVE SILT FENCE)



Location CLAREMONT Date 08/04/03

Project / Client FIELD MGMT.

MJB

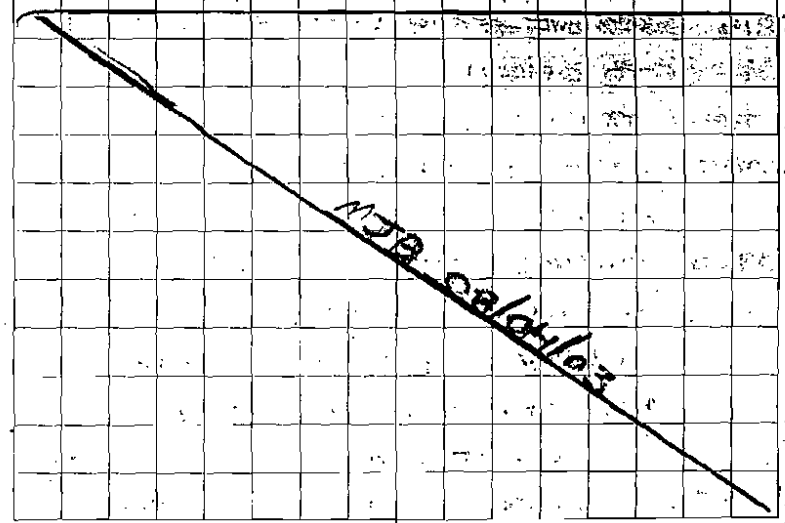
1000	CRONCE → OK TO STOCKPILE WEST OF QUAD 2 IF OK W/ME → NO CHANGE ORDERS
1015	JOE III → LMTCB
1025	OBSERVING MORE <6" IN GRIZZLIED MTL., ALSO MORE PLASTIC
1100	MARKS. → TARE WTS FROM FACILITY WHERE GROSS IS WEIGHED, CALL BACK ON WOOD DEBRIS DISPOSAL
1130	CALLED CRONCE TO VERIFY 2100.3.02.D → CAN'T FIND 10% CRITERIA AS CRONCE PREVIOUSLY DESCRIBED TO ME → CRONCE SUGGESTED WE PROCEED USING 10% CRITERIA ON CHECK WEIGHTS, →
1145	OBSERVATION WILL BE ENOUGH (OF WT.) CRONCE WILL ALSO WRITE LETTER TOO
1335	3 LABORERS REPORTED SKIN IRRITATIONS ON ARMS AND NECKS → BROWN AND BURNS PROVIDED BENADRYL ANTI-ITCH CREAM, SOAP/WATER/BUCKET, 30 SPF SUNBLOCK; SYMPTOMS LIKELY ASSOC W/ CREOSOTE, BROWN ASSED SUGGESTED TO LABORERS TO WASH EXPOSED BODY PARTS IN SAID BUCKET PERIODICALLY THROUGHOUT THE DAY.
1350	ANDERSON → SURVEY @ 7AM TUESDAY

Location CLAREMONT Date 08/04/03

Project / Client FIELD MGMT.

MJB

1400	CRONCE → ASKED FOR SWENSON PHONE, I SUGGESTED FORWARDING VOLUMES, BUE TO TCLP LINE ON MAP TRACK STOCKPILE LOOK @ LETTER
1600	SOLIMAN, CRONCE, CORRIGAN, BONGIORNO, JOE III CREOSOTE MTL - BURNT MTL. - STOCKPILE AREA - WEIGHT SLIPS - TARE METHODS -
1700	SITE WALKOVER QUAD 2 DONE



Location CLAREMONT Date 08/05/03

Project / Client FIELD MGMT

MJB OVERCAST AM/PM 90°F

0700	SAFETY MTG
0715	AK → NEED HIGH VANTAGE POINT, GET EXCLUSION ZONE
0720	PHOTOS OF SITE PROGRESS
0735	PHOTOS OF DEBRIS PILE FACE ALONG EX. CONTROL POINT EAST/WEST ALIGNMENT, NEAR FACE ALIGNMENT IS VERY NEAR CONTROL PT. AND CHAINLINK FENCE (USE FOR VOLUME COMPUTATIONS)
0745	ANDERSON
0810	EXPOSED BELOW GRADE VAULT APPROX. 68' FROM N FACE OF CHEM BLDG, 30' W OF E FACE OF CHEM BLDG
0815	REMOVE REBAR FROM BACK BANK PRIOR TO GRADING
0900	TRUCKS ARE HAULING CONCRETE
0905	MIKE DIGGING IN LOW CONC VOLUME AREA (TOPSOIL), SIMPLY MOVE?
0920	CRONCE → 1335 TONS CONCRETE, FRI. < 3900 CY FINES, INFILTR. BASIN, SCRATCH WELL OPEN, CONFERENCE CALL FOR TOMORROW AFTERNOON (3PM), TOPICS → SCHEDULE/PROJECTIONS/ VOLUMES, H&S, PMT METHODS, FONTANA

Location CLAREMONT Date 08/05/03

Project / Client FIELD MGMT

MJB

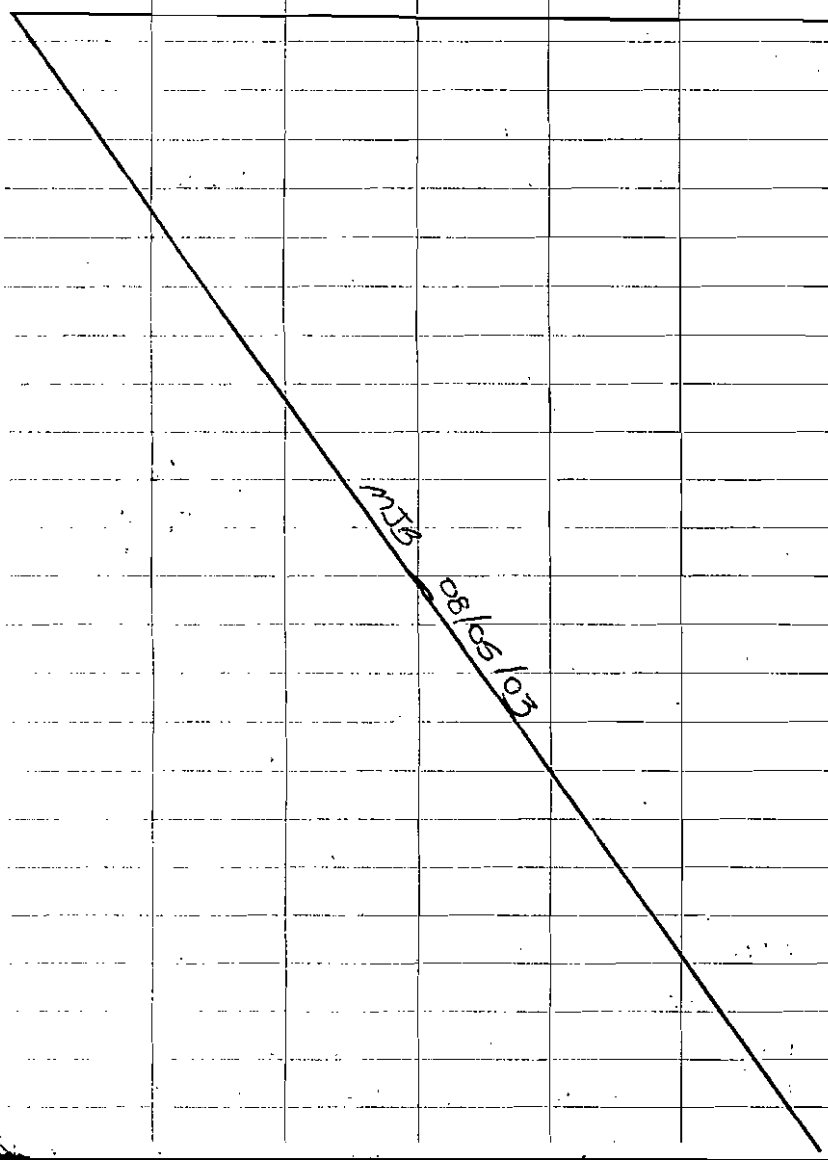
	ON ASBESTOS, TOPSOIL ISSUES, FINAL GRADING PLAN (AK DO CALCS), SEND LEACHING PIT PHOTOS
1015	ANDERSON → EXPLAINED FINAL GRADE CALCULATION REQUEST, SEND HIM TEST PIT MAP/E&S CRITERIA, RECEIVE PROOF
1030	USACE FILL-IN → ONSITE DISCUSSED PROGRESS (CONSTANTINE KASATHANASIS) C.S.Kazathanasis@NAN02.usace.army.mil
1235	ORDERED NEW STEEL CAN MID ISLAND
1410	MIKE DIGGING IN TOPSOIL PILE QUAD 3, LITTLE CONCRETE, ≈5% CONC. >6"; HOWEVER, DEBRIS PILE CONTINUES ≈ 10' BELOW PEAKS → STILL NEED TO SCREEN → MONITOR (PHOTOS)
1415	MAP DAILY PROGRESS, TRACK WHERE FILL WAS PLACED EACH DAY
1416	OPS RUNNING WELL (QUIET)
1418	PHOTO OF GROWING WOOD PILE
1420	REMOVE MISC DEBRIS PILES
1450	SOLIMAN PAY REQUEST END OF WEEK

Location CLAREMONT Date 08/05/03

Project / Client FIELD MGMT

MJB

1455 CONCRETE SLIPS



Location CLAREMONT Date 08/06/03

Project / Client FIELD MGMT

MJB P/SUNNY SUNNY AM 80°F / BREEZY SUNNY 85°F PM

0650	ARRIVED ON-SITE
0700	SAFETY MTG (GRIZZY, ~~HSB~~ CREOSOTE)
0710	205/682 ONSITE
0720	205/682 OFFSITE
0720	JDP AD20111/20044TR (LICENSE) 632/673 (ID) TRUCK/TRAILER CRAIG CATROW ONSITE
0730	MAINTENANCE ONSITE TO FIX 245 42841AD (LICENSE) ROGER BEAL
0730	632/673 OFFSITE (NEED SLIP)
0745	PHOTOS OF PREVIOUS DAY'S PROGRESS
0755	EXCAVATING APPROX 100' N OF N FACE OF OLD CHEM BLDG AND 75' N OF THAT AND 40' W OF EAST EDGE AND 100' E WEST OF THAT
0800	KEITH JUST FINISHED REPAIRING PAYLOADER?, KEITH PLACING GOOD TOPSOIL ALONG N FACE CHEM BLDG, DAILY AERIAL PHOTO WOULD BE NICE
0805	PHOTOS, NEED TO BETTER SEGREGATE GRIZZLY MATERIAL
0807	PHOTO OF STRAY DOG
0810	ASKED KEITH TO WAVE LABORERS PICK

Location CLAREMONT Date 08/06/03

Project / Client FIELD MGMT

MJB

	6" AND UP CHUNKS OF WOOD FROM UNDER GRIZZLY, ONLY IF IT'S SAFE
0813	KEEP AN EYE ON BASE GRADE EXCAV. NEAR MIKE B. IN QUAD 3
0816	(1 PHOTO) KEITH MOVED GRIZZLY (TO CLEAN UP?)
0820	VERY FEW TIRES LATELY, TALK TO KEITH ABOUT REDUCING >6" UNDER GRIZ.
0826	KEITH IS REPROCESSING GRIZZLY MTL.
0828	BWE 682/205 ONSITE
0830	PHOTOS OF MIKE "BALING" W/350, GET COPY OF TEST PIT MAP FOR MIKE
0831	PHOTOS OF CONCR LOADING OPS
0832	FOOD TRUCK ONSITE
0834	RECOMMEND 2ND OPERATOR SOME DAYS TO HELP BAIL FOR MIKE
0835	FUEL DELIVERY ONSITE (SEACOAST 7)
0836	BWE 682/205 OFFSITE
0900	FUEL TRUCK OFFSITE, MIKE P. ONSITE
0900	CRONCE → TOPSOIL STOCKPILE, ELIMINATE SUMP, CALL METZ FOR CREOSOTE, CALL RECYCLER FOR BATTERIES, BOB ON ACE STONES → INTO SUMP
0905	BURNS WANTS ROCKS
0910	MIKE P. → COMPENSATION FOR TOPSOIL
0915	CRONCE → WILL CALL MIKE ON TOPSOIL
0920	TOLD KEITH TO FILL IN THE INF. BASIN

Location CLAREMONT Date 08/06/03

Project / Client FIELD MGMT

MJB

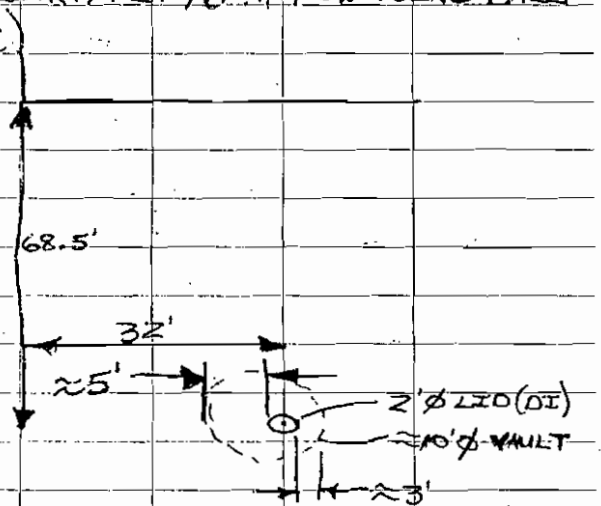
0927	METZ → CREOSOTED TIMBER GOES W/ CONSTR. / DEMO. DEBRIS
0930	SOLIMAN → LMTCB
0935	SOLIMAN → STOCKPILING, REGRADING & SCHEDULE
1000	CRONCE → ACCESS ROAD, TOPSOIL, HAZ. WASTE CHANGE ORDERS
1045	CHECKED EMAIL
1050	SOLIMAN → TCLP DATA, PROTECTIVE EQUIPMENT, H&SP, AIR MONITORING OR PROOF THAT NONHAZ. IS OK, THEY DON'T HAVE ASBESTOS-TRAINED MEN, 100% AND 95% HEPA FILTERS, SAID WE'D BE DOING AIR MONITORING, TOTALS SOIL SAMPLE ANA. RESULTS OR AIR MONITORING (AFTER CONFERENCE CALL)
1105	CRONCE → SAMPLE PIT CONTENTS, FONTANA ON ASBESTOS MONITORING, SOLIMAN ON H_2S
1125	SOLIMAN → H_2S CALL DICK, FINAL SURVEY ISSUES, SURVEY BACK AREA, WATER ON-SITE, ETC.
1215	BWE 205 ONSITE, SCREEN IS DOWN

Location CLAREMONT Date 08/06/03

Project / Client FIELD MGMT

MJB

1245	68.5' N CHEM BLDG, 32' W E EDGE C.B. (INFILTR. PIT) (PAY FOR USING DAILY RATE)
1315	CRONCE → CONTRACTUAL ISSUES W/BWE, 7PPM VS. 3PPM
1320	CONSTANTINE CONFIRMING 3PM MTG.
1325	ANDERSON → WILL SEND # ASAP
1325 - 1425 TO 1830	CRONCE, ANDERSON, SOLIMAN PROGRESS MTG DISCUSSIONS (BROWN, SOLIMAN, JOEL, CONSTANTINE, MARIA, BRAD, CRONCE, BURNS, KEITH, MIKE)
1830 TO 2415	IN DEPTH DISCUSSIONS W/CRONCE ON TOPSOIL, FINES, SCHEDULE, HAZWASTE, US RESPONDING IMMEDIATELY TO ALL REQUESTS FROM BWE (EMAIL TO BWE TONIGHT)



Location CLAREMONT Date 08/07/03

Project / Client FIELD MGMT

MJB OVERCAST 88°F

0700	ARRIVED ON-SITE
0705	SAFETY MTG (CONFINED SPACE)
0735	DONNIE (205/682) HAULING CONCRETE TODAY (FIRST LOAD OFF @ 0730), KEITH/MIKE CLEANING UP CONCRETE
0740	PHOTOS OF PREVIOUS DAY'S PROGRESS
0745	ANDERSON → SURVEY ON-SITE @ 1300 TO SURVEY AREA WEST OF DEBRIS PILE
0755	REQUEST DETAILED PHASING SCHEDULE FROM BWE, EXCAVATION HAS TAKEN PLACE TO 50' S OF N. EDGE, TELL CRONCE NOT SURVEYING STOCKPILES UNTIL FURTHER NOTICE, WAY TOO MUCH CONCRETE ONSITE → STARTED CLEANING UP RIGHT AFTER PROGRESS MTG.
0805	FINLAY SCREEN ONSITE TAKING SPACE, DEBRIS TAKING SPACE, VEHICLES TAKING SPACE, NOT USING ADJACENT AREA
0815	CRONCE → REVIEW HAZ WASTE LETTER, I PASSED ON FEELINGS ON SPACE AVAILABLE ONSITE
0815	DONNIE BACK ONSITE

Location CLAREMONT Date 08/07/03

Project / Client FIELD MGMT

MJB

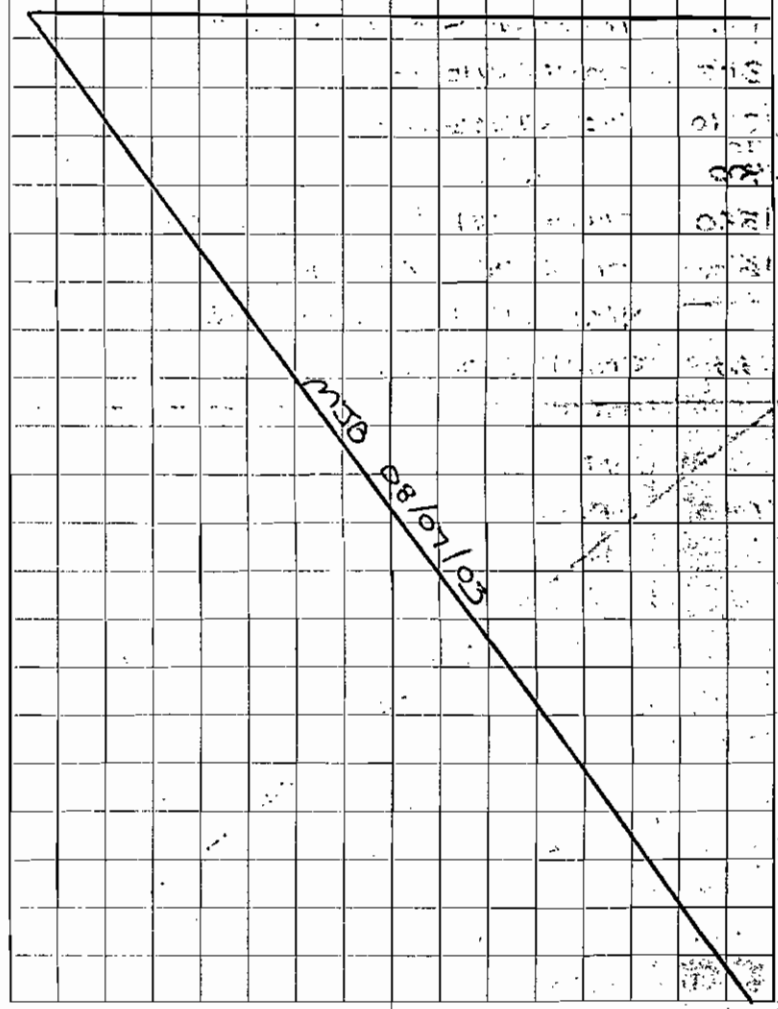
0820	REVIEWING CRONCE SPECIFICATION
1130	CRONCE → COULDN'T REACH SOLIMAN
1200	WRITE DICK ON MORE ASSISTANCE / TOPSOIL STOCKPILE AREA
1210	SURVEY ONSITE
1305	TOB CHECKWEIGHT 117,800
1315	CONFIRMED WT @ 110 SAND 117,980
1320	CONFIRMED DUMP @ 110 SAND
1330	CONFIRMED TARE @ 110 SAND
1335	BACK ON-SITE, CHECKING WT SLIPS
1500	DONNIE OFFSITE
1530	SITE WALKOVER / GET FINAL SLIPS
1532	WATER PUMP ONSITE
1536	CRONCE → MIKE/HIM TALKED, ASBESTOS, SCHEDULE, INVOICING, SEPT. 12, 6-10's, VERBAL $6500 ON TOPSOIL, HOW MUCH IN TOPSOIL STOCKPILES?
1545	INPUTTING DATA, WHEN NEXT SURVEY?
1800	KEITH → 900 CY OF FINES
1807 TO 1925	CRONCE → REVIEW LETTER; IF I'M @ BASE, STOP; MARIA JOHN ON BWE, POSS. NOT REMOVE ALL DEBRIS, NEED TO STOP SURVEYING, BURN ON ALARM #1 & #2 OPEN ALL THE WAY, ON RT. 45° ANGLE

Location CLAREMONT Date 08/07/03

Project / Client FIELD MGMT

MJB

2030	OPEN ALL ALL THE WAY
2040	CLOSED 3 & 4 TO ACHIEVE 420 GPM
2315	LEFT SITE, ~~NO~~ FLOW @ 413 GPM



Location CLAREMONT Date 08/08/03

Project / Client FIELD MGMT.

MJB OVERCAST, DRIZZLE, RAIN AM/PM 70°F

0855	ASSISTING MIKE NEAR CAMIUM PIT
0930	CRONCE → BASE GRADES
1030	SOLIMAN → WATER USE, HOUSEKEEPING
1145	ANDERSON → SURVEY LATE MON. PROB.
1300	OBENSTINE → SC LETTER
1340 TO 1400	H&S REVIEW W/ BWE
	MJB 08/08/03
1530	CHECK ON ASBESTOS LOCATION (MARK)
1600	CONSTANTINE ON-SITE
	VERY BUSY DAY ON PHONE W/ SOLIMAN, CRONCE, ETC.

MJB 08/08/03

Location CLAREMONT Date 08/11/03

Project / Client FIELD MGMT.

MJB PARTLY SUNNY 75°F AM, SUNNY 89°F PM

0700	ARRIVED ON-SITE
0705	SAFETY MEETING
0715	EXCHANGED PAPERWORK W/ KEITH
0730	SOLIMAN → REQUESTED ENTIRE PERMIT FROM WINTER BROS., OK'ED DISPOSAL OF DEBRIS TO WINTER BROS., GENERALLY DISCUSSED LAST WK'S MEMO TO BWE
0745	ROGER BEAL ON-SITE
0800	SEAMUS ON-SITE
0815	KEITH SHOWED ME BACKUP ALARM NOW WORKS ON PAYLOADER; JSA - MJS REQUESTED TO MOVE FINLAY SCREEN TO FRONT OF OLD CHEM BLDG.
0830	TRUCKS HAVE BEEN HAULING CONCR. SINCE ABOUT 0745
0850	KEITH INDICATED THEY INTEND TO HAUL WOOD STARTING SOON
0840	SOLIMAN → I REQUESTED WE MEET (TOMORROW) ON PAY REQUEST, I WILL READ SPEC ON TARES
0845	07/17/03 MARK SENT I LO SAND PACERS ON CREOSOTE DISPOSAL SITE (NO 2 WINTER) HE SAID C&D DEBRIS DEFINITION

Location CLAREMONT Date 08/11/03

Project / Client FIELD MGMT.

MJB

1000	SOLIMAN → (MESSAGE) CALL BACK ON TARES, USING ORIGINAL TARE WEIGHTS
1015	SOLIMAN → HE'LL STOP BY AT 5 PM TO GO OVER WEIGHTS, OR TOM. MORN.
1045	WALKED SITE W/ CRONCE, LAST LOAD WOOD/C&D DEBRIS OFFSITE (4 LOADS TOTAL) @ 1105
1105	MIKE WILL GET ME A TARE FOR 204, SITE CLEANUP CONTINUING, MOVED STEEL CONTAINER ONTO CONCR PAD
1113	BEGINNING ACCESS ROAD CONSTRUCTION, INTEND TO ROUND-ROBIN CONCRETE AND ROADWAY AGGREGATE
1140	DONNIE OFFSITE
1200	WALKED SITE W/CRONCE; DISCUSSED BASE GRADES AROUND 1,1-2,2; CORPS ONSITE
1300	AK ON-SITE FOR BASE GRADE/ASBESTOS SURVEYS, FENCED ASBESTOS WITH CRONCE
1320	PHOTOS OF ROADWAY WORK
1200	SOLIMAN → I INDICATED BWE NEEDS APPROX. 90 MORE FEET OF GEOMEMBRANE
1350	INSPECTION BY USACE/EPA
1400	KEITH → FADE END OF ROAD IN GRADE
→	DECIDE IF RUN 2 SWATHS OR 1
	CRONCE → HAZ WASTE,

Location CLAREMONT Date 08/11/03

Project / Client FIELD MGMT

MJB

1425	MARIA JON → MEET 2ND/3RD WK SEPTEMBER, CRONCE HAUL NOW TO, JON CAN'T LEAVE C&D DEBRIS ONSITE, NEED ANSWER ON HAZ. SCHEDULE, VANN ON SEPT. 12. DROP DEAD DEMOB. DATE, JON WANTS COST ANALYSIS ON HAZ. WASTE. TO MAKE GO DECISION, PIT ABANDONMENT (REMOVE WATER, REMOVE STEEL, KNOCK IN, BACKFILL STONE/FINES), JON ONSITE TO OBSERVE INFLUENT PIPE, MARIA INDUSTRIAL SITE; VARIABLE COSTS END OF DAY TOMORROW, BRAD WANTS TO REVIEW IMMEDIATELY.
1535	LAST LOAD ROAD STONE (PHOTOS)

MJB 08/11/03

Location CLAREMONT Date 08/12/03

Project / Client FIELD MGMT.

MJB DRIZZLE 75°F AM, SUNNY 89°F

1	0700	ARRIVED / SAFETY MTG., 204/205 TODAY
	0730	WALKED SITE W/ CRONCE → DOES BWE WANT PROJECTIONS TO END?
	0810	EMAIL, PAPERWORK
	0845	SOLIMAN → LMTCB
	0900	WENT TO CHECK ON DEBRIS SOUTH OF CADMIUM EXCLUSION ZONE, TALKED
1		TO MIKE B. ABOUT DIGGING 1 PIT 30' S. OF CADMIUM FACE, CALL WHEN HE INTENDS TO DO IT
1	0915	ASKED WALLACE TO PULL SCREEN KEY WHEN MAINTAINING SCREEN
	0915	SEA COAST FUEL DELIVERY
1	0935	MIKE B. HITTING CELL BURNT DEBRIS
1	0950	ROBOTRAC CONVEYOR SQUEAKING, BUY SOAP FOR "CREOSOTE WASH"
1	1000	BACK INSIDE; MTG BETWEEN CRONCE, POSILLICO, KRISA, VANN IN SESSION;
1		MIKE P. $1/CY ±, DOUBLE-HANDLING $1.5-$2/CY
	1010	1. MORE PEOPLE (LABORERS SEGREGATING, OPERATOR ASSISTING)
	1017	MERCANDANTE (UNIVERSAL TESTING) 491-5252 (PROCTOR TESTS)

Location CLAREMONT Date 08/12/03

Project / Client FIELD MGMT.

MJB

	1021	2. PATH THRU SITE
		3. GRADING PLAN
		4. HAZ. WASTE CLEANUP
		5. INFORMATION PASSON
		6. MORE HELP IN TOUGH AREAS
		7. MINIMIZE DEBRIS STORAGE
		8. TOPSOIL
		SCHEDULE HAZ. WASTE TRUCK
	1045	MEDICAL CERT'S
		40-HOUR OR 8-HOUR
		FIRST AID CERT. (@ LEAST 2 ONSITE)
	1100	MONITOR TYPE, DEBRIS ON DAILY, 2 BASIS, ANOTHER LABORER
	1115	1 MAN, OT WAY TO GO (MIKE P.); JDP CAN ON-SITE, MIKE P. OFFSITE
	1130	SAFETY AUDIT → DISCUSSIONS BE ABLE TO
		70°F+ NEED TO TAKE BREAKS,
		GLOVES (LEVEL D MODIFIED) FOR CADMIUM, DUST MASKS?
	1215	AUDIT COMPLETE
	1230	AUDIT REVIEW / DEBRIEF
		1. NEED SITE-SPECIFIC SAFETY SIGN-OFF FOR ALL VISITORS

Location CLAREMONT Date 08/12/03

Project / Client FIELD MANAGEMENT

MJB

2. [ADD SAFETY MTG'S / TOPICS TO MY DAILY ACTIVITY REPORTS]
3. WEAR MASKS DURING ASBESTOS AREA
4. [PID NEEDS TO BE REPAIRED]
5. DUST MASKS FOR ALL ON-SITE WORKERS DURING CADMIUM REMOVAL
6. [CONSIDER 40-HR TRAINER]

1305 ANDERSON → LMTCB → 1345 HE'LL SCHEDULE DAN, COMPUTATIONS BY THURSDAY, NOON

1445 LABOR RATES CONSTANTINE

1510 SURVEY 6PM TOMORROW, CHECK WT. ON MIKE'S LAST LOAD

1515 PHOTOS OF TEST PIT SOUTH OF CADMIUM PIT

1520 RODNEY/DAN (CONTACT WHEN UNIV. TESTING OFFERS GAME PLAN)

1522 DIG ANOTHER TEST PIT IN 3RD QUAD

1530 MOVE CADMIUM TO STOCKPILE IN < 1 WEEK

1515± SOLIMAN → DUST CONTROL TOMORROW

1545 E+S CONTROL AROUND N STOCKPILE

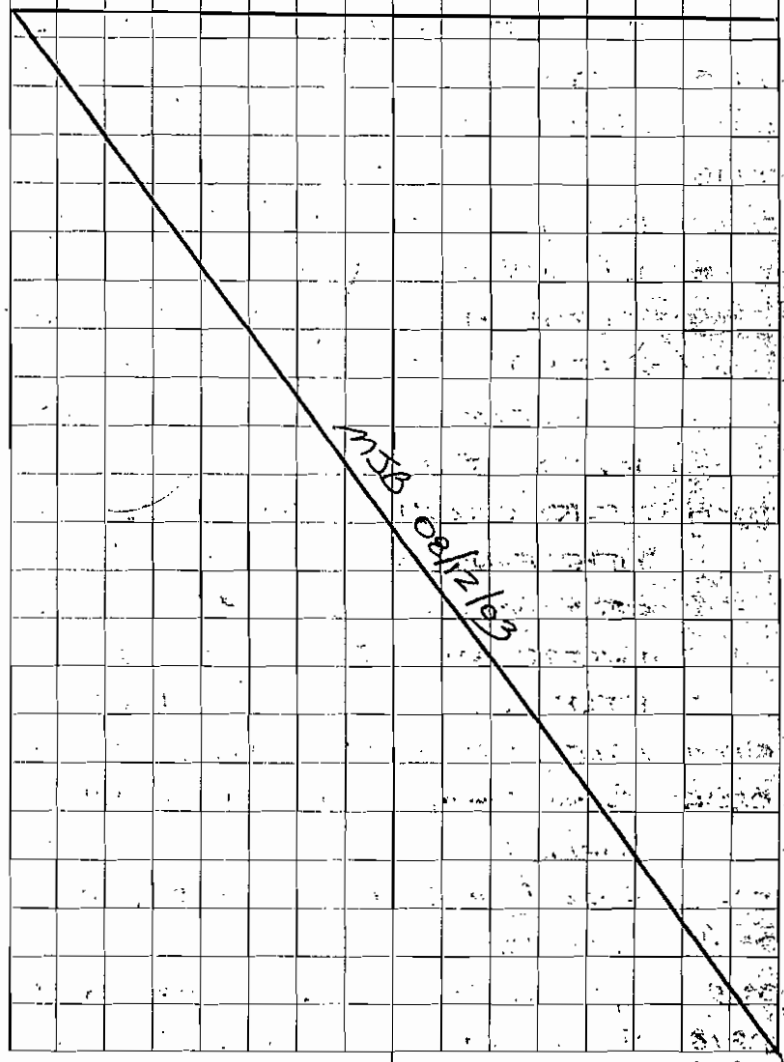
Location CLAREMONT Date 08/12/03

Project / Client FIELD MGMT.

MJB

1725 DIFFERENT METHOD FOR BURNT MTZ.

1740 ASPHALT (BASE) SURVEY AND SECTION



Location CLAREMONT Date 08/13/03

Project / Client FIELD MGMT

MJB FOGGY 76°F AM, SUNNY 89± °F PM HUMID

0600	ARRIVED ONSITE, SURVEYOR ONSITE
0620	SPOKE W/ DAN K. (AK) ABOUT SURV. ALL STOCKPILES, LARGE ONE FIRST
0715	SAFETY MTG (HEAT STRESS)
0730	PHOTOS OF PREV. DAY'S PROGRESS
0745	BATTERIES NEED RECYCLED
0750	PROGRESS TO-DATE: 1. ROUGHLY EVERYTHING SOUTH OF CHAINLINK FENCE LINE AND EAST OF EAST FACE OF OLD CHEM BLDG IS COMPLETE (I.E., 5,0 TO 3,6 AND 5,0 TO 0,3) EXCEPT FOR CADMIUM AREA
0800	TRIED CALLING CATHY HUSS, OUT OF OFFICE UNTIL 08/18/03, HOW LOAD CADMIUM ONTO TRUCKS?, STILL DECENT AMT. OF SOIL IN DEBRIS PILE
0804	ASKED DAN K. TO PICK UP 2ND INF. FIT
0806	CRONCE → OTHER SUB LOCATING OTHER WELL (TALK TO), SAND CONE TESTING CALL SOLIMAN, BWE PAY FOR TESTS?
0814	SEACOAST FUEL DELIVERY ON-SITE
0815	TOPSOIL EST. 40 X 12 X 100 → 890 CY
0816	BWE DELIVERY MAN ON-SITE
0824	CRONCE → HAVE JIM J. TURN ON ANS. MACH.

Location CLAREMONT Date 08/13/03

Project / Client FIELD MGMT.

MJB

0840	KEVIN ORECCI ONSITE (NORESCO)
0850	SOLIMAN → WILL BE OVER TO REVIEW SLIPS TO-DATE
0900	DISCUSSED WELL HEAD EXCAVATION W/ KEVIN O. AND JIM J.
0915	SURVEY OF WESTERNMOST (SMALL) TOPSOIL STOCKPILE (PHOTOS)
0930	GETTING INTO MUNICIAL DEBRIS (INSULATION, LANDSCAPE MTL, CARPET, PLASTIC) → DUST SUPRESSION, PHOTOS
0932	ASKED WALLACE TO LET ME KNOW WHEN THEY HIT ANY "QUESTIONABLE MTL", INCL. INSULATION; INST. FENCE AROUND NEW STOCKPILE
0935	WALKED OUT BACK, HITTING LARGE AMT OF MUNIC. WASTE MIXED W/ DIRT IN 1,3.
1125	CRONCE → NUCLEAR, DENSITY/ MOISTURE
1205	CHECK SCALE TESTS
1420	WALK W/ RODNEY MYERS
1430	TARES ON 2, UNIV. TESTING RUN PROCTOR, APPLY TO DENSITY

Location CLAREMONT Date 08/13/03

Project / Client FIELD MGMT.

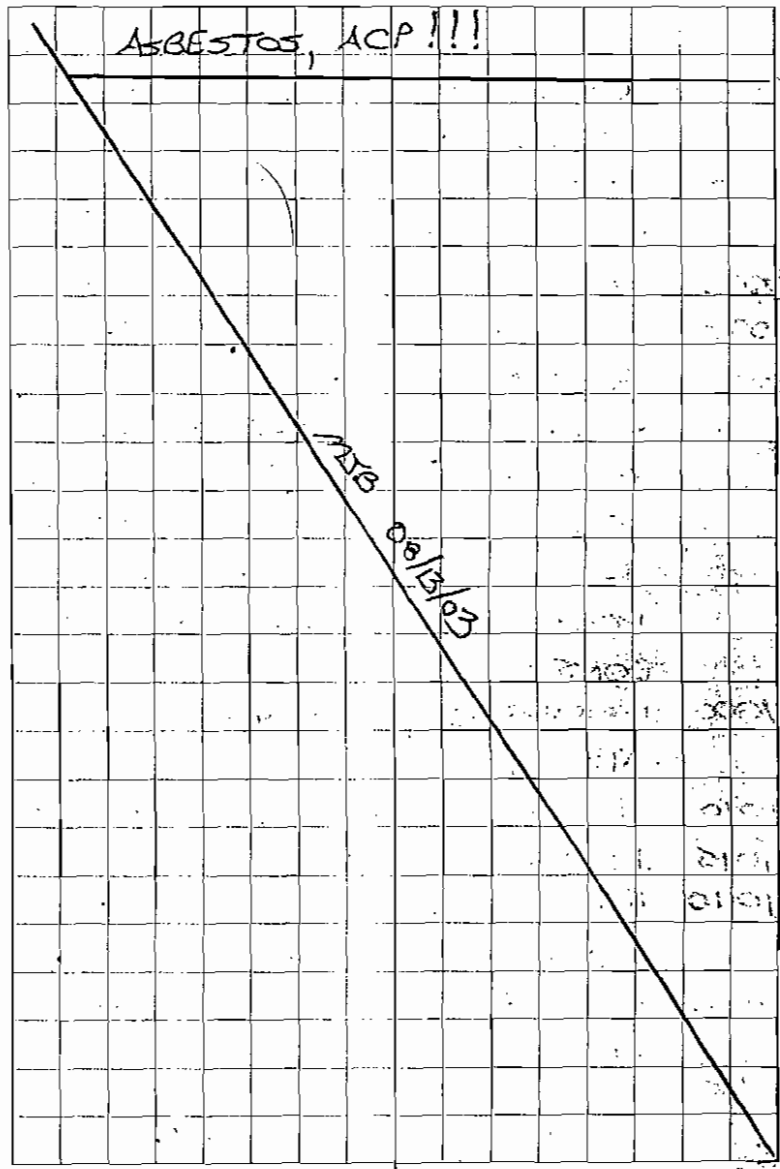
MJB

FABIO SCALDAFERRI 631-491-5252
IN UNTIL 5, 7AM TOMORROW,
MORE EXPERIENCED
1450 SOLIMAN → MAY NOT NEED PROCTORS,
POSSIBLY FRIDAY, MARK WILL CALL BACK
1510 CALL MID ISLAND FOR BATTERIES
1520 LUIS FOUND ACP (1 1-½' LONG PIECE)
HELP → CALL GRONCE
1625 NUCLEAR BADGES, LICENSES, CERT'S,
EXPERIENCE, BEFORE/AFTER, MORE/
BETTER, MOISTURE CONTENT EV.
CASE, WETTER IN LESS DENSE PILE,
AS MANY AS POSSIBLE, DO IT ALL
OVER, COLUMNS IN EACH PILE,
UNCONSOLIDATED, DIFFERENCE BE-
TWEEN 2, MOISTURE/DENSITY
RELATIONSHIP (PROCTOR), UNIT
WEIGHTS IS WHAT WE'RE DOING
1628 KINDIG → CALL BACK
1700 BEARD → HE'S HEADING UP STCCP
CHRIS NOVELLI (3RD OPERATOR)
1750 TALK ABOUT ASBESTOS TOMORROW
1755 HAVE MIKE PULL BANKS DOWN
CHECK OUT INSULATION
1808 DURING WALKAROUND W/ RODNEY
(ADJACENT PROPERTY RELATIVE TO

Location CLAREMONT Date 08/13/03

Project / Client FIELD MGMT.

MJB



Location CLAREMONT Date 08/14/03

Project / Client FIELD MGMT.

MJB

MJB 08/14/03

0815	CRONCE → ANOTHER LABORER, SAMPLE TO LAB, WORK FACES FROM BOTTOM, SORT ACP BY HAND, STOCK-PILE ONSITE
0900	SPATAFORI → SAME AS CRONCE
0930	SOLIMAN ONSITE (DISCUSSION W/ SPATAFORI) → DIG UNDER PIPE; IF QUANTITIES INCREASE, RE-EVALUATE; MASKS DELIVERED, BLUE 95%, RED 100%, TO ALL WORKERS DISTRIBUTED; JIMMY DEVIS 110 SAND ON ACP DIS-POSAL PAPERWORK, ADDRESS NEIGH-BORS
1000	DISCUSSED WATER HOOKUP W/ WALLA AND SOLIMAN
1010	NEED WINTER BROS. PAPERWORK
1015	1 LOAD DEBRIS 110, 1 LOAD C&D WB
1040	HAD MTG TO DISCUSS PROPER HAND-LING OF ACP W/ ALL BWE PERSONNEL
1050	PHOTOS OF 500 GAL TANK, NO ODOR, NO RESIDUE
1110	WATER NOW, TEST INSULATION, NEED 3RD LABORER, WATCH LABORERS PICKING FROM RUNNING SCREEN

Location CLAREMONT Date 08/14/03

Project / Client FIELD MGMT.

MJB

1120	WATCH AMT OF SOIL IN CONCRETE LOADS
1130	EXCAVATE TANK BEHIND STOCKPILE
1145	UPDATE VIRUS SIGNATURES
1235	CRONCE → ? WT. OF 8-10 TON MUN. LOAD
1400	ANTZOULIS EVAGELOS JOHN JULIUS CALLED → EPA NY
	60 TONS DEBRIS
	9000CY FINES
	3000 TN CONCRETE
	CHIEF OF EPA SECTION
1600	POWER WENT OFF @ PLANT, CELL PHONES AREN'T WORKING, CALLED CRONCE AND JACKSON
1300	BWE CONNECTED IRRIGATION SYSTEM
1650	SPRAY BEE NEST, DEMOBILIZING
	350
1800	350 BEING LOADED
	FEDEX 800-463-3339
	AO 696 Old Bethpage Rd
	5:00 PM
	510 Broad Hollow Rd Melville
	6:00 PM
	534 BHRd Melville
	6:30 PM

Location CLAREMONT Date 08/14/03

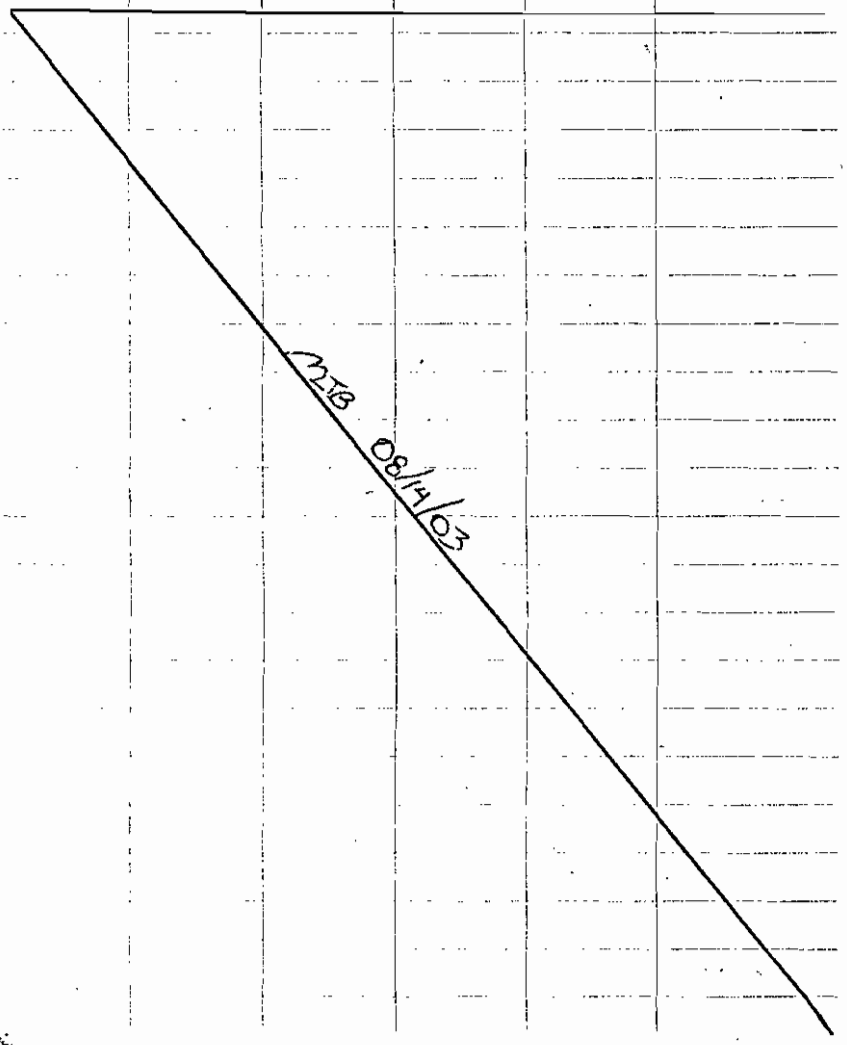
Project / Client FIELD MGMT

MJB SUNNY 98°F PM

1830 HUBBARD OFFSITE

1840 MYERS CRONCE → MISC. ISSUES

CLOSING WELLS NEXT WEEK



Location CLAREMONT Date 08/15/03

Project / Client FIELD MGMT

MJB SUNNY 80°F AM

0700	ARRIVED ONSITE
0715	KEITH → CHECK 110 SAND
0745	110 SAND APPEARS OPEN
0845	SOLOMAN → HE'S CHECKING ON WORK
0845	DONNIE OFFSITE
0855	MIKE OFFSITE
	DENSITY TESTING
0845	LUIS/ALFONSE ON-SITE
0915	MIKE BLEW REAREND IN TRUCK
0945	BOB BURNS CALLED VLVS IN PERM. POSITION, CLOSED
	2 OUTSIDE VLVS. TO LEFT OF
	FREEZER, MCP TURNED ALL SWITCHES
	TO OFF, TURNED FIRE ALARM TO SILENCE
1005	DONNIE OFFSITE, PMP SWITCH TRAILERS
1015	NEED A LABORER, ASKED SOLOMAN
	TO ANSWER ON TESTING, DEBRIS
	IS BECOMING DIFFICULT TO
	HANDLE, RODNEY ON DUST CONTROL
1040	CRONCE → NOT SURE ON TESTING
1045	FASIO → NOT OPEN ON SATURDAY
	USING CITY WATER SINCE 0930
1103	CALLED JACKSON, OK TO USE SW WATER
	CONNECTION AND 2" HOSES
1605	CORRIGAN → DONNIE DIDN'T COME BACK

Location CLAREMONT Date 08/15/03

Project / Client FIELD MGMT

MJB SUNNY 98°F PM

1620	SIGNIFICANT AMT OF WOOD DEBRIS 1,4 (MIKE DUG TEST PIT)
1630	MIKE IS STARTING @ SOUTH EDGE AGAIN INSTEAD OF IN DEBRIS, HUGE PILE OF CONCRETE & DEBRIS BESIDE SCREEN
1730	EVERYONE OFFSITE

MESSAGES
4:31 PM THURSDAY FRANK BOWER
6:31 PM " MOM
11:50 AM FRI RALPH ANDERSON (CALL BACK)
3:53 PM DICK CRONKE

MJB 08/15/03

Location CLAREMONT Date 08/16/03

Project / Client FIELD MGMT

MJB PARTLY SUNNY 80°F AM

1095	ANDERSON → LMTCB
1100	SITE WALKOVER, GETTING INTO MORE WOOD DEBRIS AND BURNT MTL, TALK TO KEITH ABOUT OTHER OPERATOR
1105	NYS DEC 1A 400
	20350 SMALL ROLLOFF (BLUE)
	30423 LARGE ROLLOFF (BLUE)
1120	TURNED 2" PUBLIC WATER ON,
1123	" " " " OFF (DUST CONTROL)
1155	CRONCE → GAVE HIM STATUS. JEFF → MID SAVE WHAT WE HAVE (BATTERIES) TELL CATHY TO FAX WEIGHT RECEIPTS TAKE OVER W/ PICKUP, WE GET $0 ¢ EACH BATTERY
1210	REPLACE GWTP DUMPSTER
1550	SOLIMAN → LMTCB

MJB 08/16/03

92

Location CLAREMONT Date 08/18/03

Project / Client FIELD MANAGEMENT

MJB SUNNY 66°F AM

0655	ARRIVED ON-SITE
0710	KEITH → GOING TO SHOP, BE BACK IN 10 MIN., OTHERS WORKING NOW, SAFETY MTG. WHEN HE RETURNS, 205/682 HAULING CONCRETE TODAY
0750	KEITH → NEW ROLLOFF HAULING DEBRIS TODAY
0800	GET CHECKWEIGHT TODAY
0810	DAN BURKE (UNIV. TESTING) ON-SITE, BURNS ISSUED SAFETY ORIENTATION, MJB DESCRIBED SAFETY ISSUES ONSITE
0900	682/AD2019; 205/21371R ON-SITE (DONNIE) TO HAUL WOOD DEBRIS TO 1105C, ONE LOAD CONCRETE TO CONSTRUX ALREADY
0905	ASKED DONNIE TO GET 1105C TARE, KEITH HAS CONSTRUX TARE
0910	SOLIMAN → HE'D DIG 3 TIMES DOWN
0910	DONNIE OFFSITE W/ WOOD LOAD 1105C
0915	KEVIN McGUIRE - EXTER, HYDRAULIC LEAK REPAIRS
0920	MIKE ONSITE TO HAUL WOOD (737343AE 104)
0925	ASKED MIKE TO GET TOB TARE
0940	DUG FIRST SURFACE LARGE PILE 57%
	DUG 2ND 5' DOWN 64%
	20% MOISTURE

93

Location CLAREMONT Date 08/18/03

Project / Client FIELD MANAGEMENT

MJB SUNNY ~~68~~ 86°F AM

0945	ANDERSON 7100 CY
	1300 CY
	270 CY
0950	DONNIE BACK ONSITE
1025	MIKE BACK ONSITE
	CRONCE → 2 ZONES LARGE, 20 READINGS TOTAL, 1 ZONE SMALL, 1 ZONE SMALL; SEVERAL ALONG SLOPES OF ALL PILES
1055	BURNS TAKING OVER TESTING OVERSIGHT, ~~TALKED~~ (GET SURVEYED HEIGHTS)
1050	DONNIE ONSITE
1100	GET BACK INTO DEBRIS TO USE LABORER
1300	SOLIMAN → FAX REQUESTED SLIPS
1415	BIAN → HE'LL BE IN TOMORROW MORN.
1600	SOLIMAN → LMTCB (DAILY SAFETY REVIEWS)
1630	CRONCE → MISC
1630	SOLIMAN → MISC
	BEGAN THOROUGHLY RECORDING TARES, ETC.

MJB 08/18/03

Location CLAREMONT Date 08/19/03

Project / Client FIELD MANAGEMENT

MJB SUNNY 86°F AM / SUNNY 89°F PM

0700	ARRIVED ON-SITE
0715	SAFETY MEETING
0730	KEITH → ADD TO TOPSOIL STOCKPILE AS GOOD MATERIAL IS FOUND, NEED FIRE HOSE TODAY
0800	BIAN ON-SITE → CERTIFIED PAYROLL CRONCE → L/C TO ABANDON PITS, NEED CONF. SPACE ENTRY PERMIT, BRAD REVIEWING CHANGE ORDER, STATUS MTG. THIS AFTERNOON (VOL.), PREP. BURNS FOR TOMORROW
0845	SOLIMAN ONSITE → TELL KEITH TO STOP STOCKPILING TOPSOIL, TAPE BACK (N) BACKFILL LINE, ASK CRONCE TARE AVG.
1115	CHECK WT. FOR DONNIE (GAS TANKS) (205) @ TOB 45340 T → DONNIE STAYED IN TRUCK 12,340 (1120) (LOADED) (CONCRETE TO 110)
1135	ORDERED CAN FROM MID ISLAND, ASKED CATHY TO FAX SLIPS TO ME FROM NOW ON DRIVERS
1155	CHECK TARES AND GROSS FOR WT. OF
1230	SOLIMAN → FIRE HOSE NOW BONGIORNO → 3/3 COMPLETE WATCH AMT. OF SOIL IN DEBRIS
1240	DO WE NEED METZ DUMPSTER? JDP MAINTENANCE GUY ON-SITE
12:45	ASKED MIKE B. TO PULL SLOPES

Location CLAREMONT Date 08/19/03

Project / Client FIELD MANAGEMENT

MJB

	(@ END OF DAY) TO ≤45°
1250	PHOTOS OF "CLEAN" TANK
1255	DUMPSTER 20350 (WOOD) HAULED AND RETURNED TODAY
1300	ASKED WALLACE TO COVER ACP STOCKPILE
1315	MATTANKNEY → CONFIRMED THAT I HAVE LATEST COMPUTER PATCH
1325	SOLIMAN → BRINGING FIRE HOSE
1330	COMPLETE 5,0 THRU 4,6 3,0 THRU 2,2 (HALF) (HALF) 1,0 THRU 0,1.5 1,1.5 THRU 1,2 2/3 TO 3/4 DONE FROM 3,3 WEST TO DRAWN LINE @ BASE GRAD. TO E FACE CHEM BLDG EXT.
1350	STATUS MTG. (CONFERENCE CALL) SHEWEN, DICK, MITCH 1. TIRES HAZ. WASTE 2. BATTERIES PICKUP 3. ACP TEST 4. INSULATION TEST 5. HAZ. WASTE #400,000

Location CLAREMONT Date 08/19/03

Project / Client FIELD MANAGEMENT

MJB

	UNDER DAILY
	NOT MOVE PRIOR TO MONEY APPL.
	N OF GWTP FOR HAZ. DEBRIS TEMP
	KEY IS HAZ. DEBRIS
	WASTE PROFILES TO KC CORPS
	SAIC PERSONNEL FOR HAZ WASTE
1435	CONFIRMED DONNIE, 682, 205;
	WALLACE DOING GOOD JOB ASSISTING
	AS OPERATOR
1440	DONNIE OFFSITE
1445	CORRIGAN → BEGIN CLEARING @ SOUTH
	EDGE TO MAKE SPACE FOR HAZWASTE
	CONSOLIDATE TIRES
1500	CORRIGAN SAID HE MOVED 1000 CY OF
	TOPSOIL, LOOKED ACCEPTABLE, NO MORE
1505	DIG TEST PITS PERIODICALLY TO
	CONFIRM BASE GRADE, DRESS UP ROAD
	@ END PROJECT
1705	SOLIMAN → MEET TOMORROW MORNING
	GRONCE → DENSITY READINGS
1800	CORRIGAN → MISC.
1900	CLEANED UP/LEFT SITE

MJB 08/19/03

Location CLAREMONT Date 08/20/03

Project / Client FIELD MANAGEMENT

MJB SUNNY 70°F 8:00 AM

0700	ARRIVED ONSITE
0730	SAFETY MTG (GENERAL ORIENTATION)
0800	CONFIRMED DONNIE ON 205/682;
	LUIS/ALFONSE NOT ONSITE YET
0805	LUIS/ALFONSE JUST ARRIVED; TALK TO
	KEITH ABOUT THEM BEING ONSITE IO
0805	DONNIE LEFT SITE W/ 1ST LOAD WOOD
0810	PRINTED 2 MORE SHEETS FOR 205 W.
0810	ALFONSE HAS ASTHMA ?!
0810	ASKED LUIS/ALFONSE TO ALWAYS
	HAVE MASKS WITH THEM ONSITE
0825	CORRIGAN → CLEANING UP, 2 LOADS
	WOOD FIRST, STEEL; THEN CONCRETE
0845	SOLIMAN → PROCESSING OF TOPSOIL UNDER UNIT
	BID PRICE ?, ROAD/E+S PMT.
0850	HCSS ESTIMATING PROGRAM
0905	631-491-5705 ALI (WINTER BROS.)
	REQUESTED
0910	WEIGH @ CONSTRUX ?
0920	DICK ON HAZ. WASTE PLANNING
0930	TOLD SOLIMAN HE NEEDS TO
	REQUIRE MASKS @ SCREEN IF HE
	HAS CONCERNS; TOLD MARK TO
	CHECK INTO ALFONSE'S ASTHMA;

98

Location CLAREMONT Date 08/20/03

Project / Client FIELD MANAGER

MJB

	REQUESTED ANOTHER HEPA MASK, MARK INDICATED NO NEED FOR PROJECTIONS, NEED SCHEDULES
1015	WALKED SITE, LOOKS GOOD/CLEAN
1140	INSTALLED NAV UPDATES
1200	205/68R "119540 DONNIE OUT 119800 DONNIE IN
1215	KEITH ON PHONE AFTER I TOLD HIM THE (IMMEDIATELY) WEIGHT ??? / DONNIE STOPPED FOR SANDWICH
	119,540 DONNIE OUT (PBA) 119,800 DONNIE IN (PBA) 60.03 DONNIE IN (CSLLC) 22.51 (TARE) " " (CSLLC)
	44,920 DONNIE TARE (TOB)
1400	TALK TO KEITH ON PHASING TO END
1430	WATCH PACE / FINES QUALITY CLOSELY
1717	START THINKING ABOUT BASE SURVEY, BASE GRADE INSPECTION PRIOR TO BACKFILL, DEMO INFILTR. BASINS
1730	SLOW LUIS DOWN (AUTO)

MJB 08/20/03

99

Location CLAREMONT Date 08/21/03

Project / Client FIELD MANAGEMENT

MJB

0700	ARRIVED ONSITE
0715	SAFETY MTG (HEAT STRESS)
0900	ASSESS GRADING INTO NORTH BANK (TREES, ELEVATION, SLOPE)
0905	ASSESS LARGE TANK REMOVAL
0920	LARGE CONCRETE AND PLASTIC IN NE CORNER
1250	ALI (WB) → DAVID GIBB 631-444-0387 ENV. ENG., DEC, INSPECTOR 631-831-5561 GM WB. (NI)
1255	KEITH → DONNIE NOT, GOING BACK GETTING TARE @ TOB RUNNING 2 LOADS (WB → C&D → 110 WOOD)
1310	BIAN → STOPPING BY TOM. MORN.
1410	032446 APPL #, DTMA, July 3 subm. MARIE 610-205-6805 DELORES 610-205-6804 CRYSTALE 610-205-6803 HAVE RUSH
1640	CRONCE → CHEM. WASTE, MOVE WASTE NEXT WEEK ?, 3 LOADS, 48 HOURS, THEN REMAINDER, WED. MOVE 3, ONE HOUR TO LOAD TRUCK, MONEY IS COMING !,

100

Location CLAREMONT Date 08/21/03

Project / Client FIELD MGMT.

MJB

IN KC BY NEXT FRIDAY, LOGISTICS ACCEPTED PROPOSAL, FACILITY SELECTION / LOGISTICS TOMORROW NOON, ALL AS HAZ., 2 STOCKPILES, BUILD DECON. PAD NOW,

1700 SOLIMAN → GAVE HEADS UP

MJB 08/21/03

101

Location CLAREMONT Date 08/22/03

Project / Client FIELD MANAGEMENT

MJB

1020	SOLIMAN → 150' MORE FIRE HOSE
1020	MID ISLAND → ORDERED STEEL CONTAINER, TOLD WE'D GET TODAY
1025	DEMOLISH INFILTR PITS
1030	MIKE ONSITE W/ WOOD CONTAINER
1030	TAKE PHOTOS / DELINEATE BASE/EDGES (TEST PITS)
1030	BEGIN FINAL PUNCHLIST
	PHOTOS OF TEST PIT AREA 1,2
1035	BEGIN PLANNING FOR BACKFILLING
1120	SOLIMAN → TAKE SCREENED MTL. TO 45° ON HAZ?, NEED TARE @ 110 SC FOR 10/30/03
1125	CORRIGAN → GO BACK TO HAZWASTE AREA TO EXCAVATE NONHAZ SLOPES
1345	CRONCE → 1 AGREE
	2 AGREE DIS
	3
	4
	5
	6
	7
	PIPING SEGREGATION (LABORER)
	DECON. (LABORER)
	BREAK-UP (LABORER)

Location CLAREMONT Date 08/22/03

Project / Client FIELD MGMT

MJB

2 DAYS HAZWASTE CREW

25 LOADS - 3 = 22

→ CURRENT EST. OF VOLUMES

(10'X → 22 to 25 TONS)

DECON ON CONCRETE PAD

(INTERIM ?)

1430 CHEM. WASTE, ~~CRANE~~ SAIC, BWE →

600 TN MTL

ACCESS ISSUES

CONCRETE/SOIL

3 TEST LOADS FOR SOIL

NEED SOIL RECIAE

3 DUMP TRAILERS (22 TON MIN)

LIVE LOAD → PREFERABLE

~~##~~ TRUCKS IN ONE DAY

17 TN MIN ON ROLLOFFS

25 TO 28 TRUCKS OF TRAILERS

LABORERS PICKING DEBRIS/CONCRETE

PIPE → NEED TO PICK OUT

NEED TO BE ABLE TO BREAK/CUT ALL ITEMS

24 HOUR NOTICE

MOVE MTL. TUESDAY MORN.?

~~24~~-HOUR CANCELLATION NOTICE

2, 3 3 LOADS ON 3

LOAD 8, 9 (TWEAK 9 BASED ON 8)

Location CLAREMONT Date 08/22/03

Project / Client FIELD MGMT.

MJB 90°F PM

MANIFESTS FOR HAZ. WASTE

SCALE TESTS TO ME NEXT WK.

PAPERWORK TO MARK MON/TUES.

BRING ANOTHER EXCAVATOR

MANIFESTS TO MY ATTENTION

8-PAGE FORM

1550 ~~30'~~ 25' X 40' X 14' = 600 CY

25' X

~~25~~ 25' X 35' X 15' = 486 CY

MJB 08/22/03

104

Location CLAREMONT Date 08/23/03

Project / Client FIELD MANAGEMENT

MJB 70°F 0845

0630	ARRIVED ONSITE
0700	CORRIGAN → BOX OUT NC DEBRIS
1025	SITE WALKOVER →
	1. GET GAMEPLAN FOR REMAINDER
	2. CONDUCT "ASBESTOS" SAFETY MEETING
	3. DISCUSS PILE LIMITS
	4. FINALIZE COMPACTION ISSUE
	5. SILT FENCE AROUND STOCKPILE
	6. SPRAY SLOPED AREA
	7. SAFETY FENCE SLOPES
	8. PULL SLOPES DOWN
	9. SAVE CONCRETE PADS
	10. RESTORE N FACE ASAP
	11. BARREL / LIQUID W FACE CADMIUM
1200	SAFETY MTG
1430	SITE WALKOVER
1550	SITE WALKOVER: EXPOSED CONC. PAD N OF CHAINLINK FENCE

MJB 08/23/03

105

Location CLAREMONT Date 08/25/03

Project / Client FIELD MGMT

MJB 70°F 0810

0700	ARRIVED ON-SITE
0715	SAFETY MTG. (CONVEYORS)
0800	SITE WALKOVER →
	1. LARGE DEBRIS @ BASE STOCKPILE
	2. PICK DEBRIS DURING BACKFILL
	3. RESITUATE SILT FENCE
0810	BW 104 (MIKE) BACK ON-SITE (WOOD)
	4. CARE AROUND E. UTILITIES
	5. DEMOLISH 3 INFILTR. PITS
	6. ASBESTOS PROTOCOL
	7. MORE STONE TO DRESS ROAD
	8. RE-FENCE ASBESTOS AREA
	9. FINAL GRADING PLAN
	10. PICK DEBRIS AROUND BLDG.
	11. CUT TREES N. EDGE
	12. RELOCATE ROCKS
	13. PREP FOR DECON.
	14. LIST FROM BOB
	15. STEEL W SIDE CHEM. BLDG.
	16. SPEC REQUIREMENTS
0830	BW 104 (MIKE) OFFSITE (DEBRIS)
0845	SOLIMAN → FINAL GRADING PLAN
0945	BW 104 ONSITE
0930	CRONCE → OK TO BACKFILL N FACE

Location CLAREMONT Date 08/25/03

Project / Client FIELD MGMT.

MJB

1045 CORRIGAN → STAY OUT OF ASBESTOS AREA
UNTIL WE DISCUSS
DONNIE IN VEHICLE FOR ALL
1255 205/682 TOB CHECK 120,100
1313 " PBA GROSS WEIGHT 120,160 (120,140)
1320 " CONSTRUX DUMP
1340 " PBA TARE WEIGHT 44,500
1350 " TOB TARE CHECK 49580
1415 CRONCE → COMPACTION TEST → TOMORROW
SCHEDULE
1420 SOLIMAN → (MICHAEL) → OK
1510 MYERS → 1.25 UNIT WT ?
SCRAPE SLOPES, SAFETY FENCE
1600 SITE WALKOVER →
CLAYEY MTL. @ BASE GRADE E OF
NEIGHBOR'S CONCR. PAD
→ INFORM NEIGHBOR OF ASBESTOS
1620 ASKED WALLACE IF LUIS HAS STEEL-
TOED BOOTS → REQUESTED HE WEAR THEM
1620 CHAINLINK FENCE @ W END DOWN;
DO EYEBALL VOLUME ESTIMATE

MJB 08/25/03

Location CLAREMONT Date 08/26/03

Project / Client FIELD MANAGEMENT

MJB

0700 ARRIVED ON-SITE
0710 BONGIORNO → KEITH COMING IN A
FEW MINUTES, REQUESTED SAFETY
MEETING @ COFFEE BREAK
0800 ORDERED MID ISLAND CONTAINER

1. HAVE TRUCKS LINED UP IN BACK
2. PROTOCOL TO CHEM. WASTE
3. LIVE LOAD ROLLOFFS ?
4. PULL TRUCKS ON LEVEL SURFACE
TO GAUGE TRUCK WEIGHTS

BLUE SURVEYOR NEXT WEEK
STOCKPILE HAZ WASTE
(877) HOGRYDE
0945 CRONCE/MYERS →
1. MANIFESTS → FAX, # COPIES
0900 MIKE P. → BACKFILL / HAZ WASTE STAGE
1100 CORRIGAN → PITS, BACKFILL
GRADES
1150 7 DAYS TO HAUL MTL. BACK
2 DAYS TO FINAL GRADE
WASN'T GOING TO WORK SEPT. 6
MOVE HAZ. WASTE TO FRONT AREA

Location CLAREMONT Date 08/26/03

Project / Client FIELD MGMT.

MJB

CONCR. MOVE BACK TOMORROW
LOAD 3 LOADS FRI MORNING
THURS./FRI. MOVE ALL MTX.
STOCKPILE CONCRETE SAME DAY AS FINES
NEED NEW PRICE FOR TRUCK/ 40-HR HOLIDAY
EXTEND PLASTIC AS THEY GO
SURVEYED / TOPO TO BWE
PUMP PITS NOW OR DURING HAZ.
BE PREPARED TO SCREEN NEXT WK.
SAMPLE THURSDAY
BACKFILL TUESDAY
SURVEY
1 ANALYTICAL SAMPLE
2 QUAD 3 OPEN
→ NEED GRADING PLAN
→ KEEP PITS IN BACK OF MIND

1315 ANDERSON → 1. FINAL PLAN BUDGET BKK TO ME TODAY
2. HARDCOPIES
3. NEXT SURVEY TOM.
4. WHEN NEXT SURVEY?

1400 CRONCE → 1. STOP @ NE CORNER
2. FAX MANIFESTS

Location CLAREMONT. Date 08/26/03

Project / Client FIELD MGMT.

MJB.

1400 EXPOSED EX. WATER MAIN NE CORNER

1405 WHY CORRIGAN HAULING TO N FACE QUAD CHEM BLDG FROM QUAD 4

1445 CRONCE/MYERS → LOAD 3 LOADS THURSDAY?

1510 CRONCE → 15 LOADS THURSDAY
5-15 LOADS FRIDAY
BEGIN LOADS WED/THURS
ASK SOLIMAN HAUL DEBRIS THURS. CORN

1510 SOLIMAN 7:00AM - 3:30PM WORKDAY
HE'LL CALL BACK IN 1/2 HOUR

1515 CRONCE → PASSED ON
MYERS → " "

1605 CORRIGAN → MOVE CONCR OPS

1610 JOE II → BAIL FRONT AREA W/BREAKER
MOVE CONCR. OPS BACK

1635 JOE II OFFSITE

1645 MYERS → CALL ME 1ST THING TOMORROW
MANIFESTS FOR THIS WEEK
DRIVERS PROTOCOL

1700 JOE II → HAZ. WASTE

1730 RETAPE HAZ. WASTE

Location CLAREMONT Date 08/26/03

Project / Client FIELD MGMT.

MJB 80°F @ 1730 P. CLOUDY

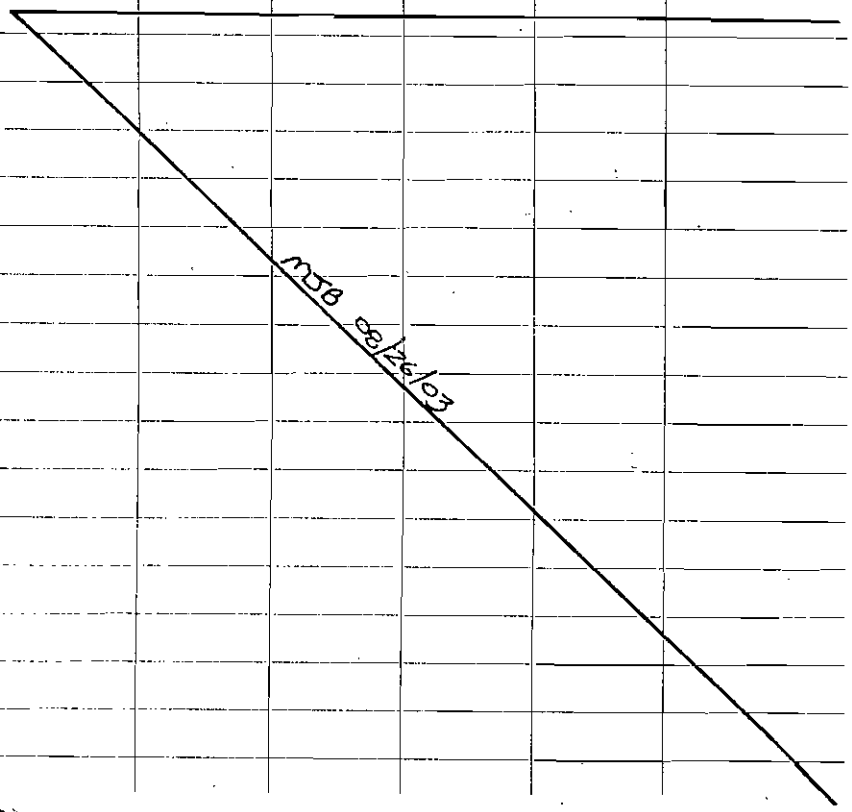
BACKFILL UP INTO TREED AREA ?

NEED ANYTHING FROM RODNEY ?

1700 EXTEC CONVEYOR DAMAGED TODAY, INTEND TO "CLIP" REPAIR AND USE; MIKE P. WANTS TO STOCKPILE IN QUAD 2 → WHY ?

1813 KEITH WORKING/SETTING UP SITE

1. NEED TO KNOW WHEN TO SURVEY



Location CLAREMONT Date 08/27/03

Project / Client FIELD MANAGEMENT

MJB P. CLOUDY 77°F 0900

0700 ARRIVED ON-SITE

0700 SAFETY MTG. (SITE HAZARDS, VERMIN)

0730 MYERS → STOCKPILE TIRES

LABORERS MARK 3' + MTL.

0815 BIAN → DISCUSSED STATUS

0820 SCREEN BELT REPAIR BY JDP PERSONNEL, LICENCE NY CHD-1723

0910 UNIV. TESTING → (FEMALE) I REQUESTED STATUS OF REPORT, SHE INDICATED WE NEED TO OBTAIN INFORMATION FROM BWE, NO PAPERWORK FOUND, CHECKING INTO STATUS, CALL BACK IN 1 HOUR ✓

1000 ANDERSON →
1. HE'LL FAX T/N
2. I'LL CALL NEXT WK'S SCHEDULE BY COB

1015 CRONCE/MYERS →

1. CLOSE PITS
2. 09/03/03 DEBRIS, SCREEN COMPLETE
   09/05/03 DEBRIS OFFSITE
   09/12/03 MUNICIPAL OFFSITE
3. I SUGGESTED SCHEDULE IN WRITING FROM BWE
4. ME CALL SHE WEN

Location CLAREMONT Date 08/27/03

Project / Client FIELD MGMT.

MJB

5. ONE LAND BAN FORM W/ 1ST OF EACH TYPE OF LOAD
6. PIT CLOSURE ON END (DICK WILL TELL MARK SOLIMAN)
7. ME CALL BACK ON COMPACTION TEST

1050 SOLIMAN →

1. 3 WEIGHTS W/ ABNORMAL TIMES, NO MANIFESTS, NO DUMPS
2. HAZ. WASTE CREW FOR PITS (SW) KEEP
3. TRUCK DECON. ON STOCKPILE PAD
4. CHANGE TRUCK/EXCAV. TO

1135 CRONKE/SOLIMAN →

1. POSSIBLE DECON. ALL EQUIPMENT ON FRIDAY
2. NEED UNION LABOR PLANNING AHEAD
3. KEEP EXCAV./NEW OP.
4. THURS/FRI. HAZ. STOCKPILING
5. KEEP DICK APPRIZED ON PITS
6. PLANNED FOR PIT ABANDON TUES.
7. DEMOB. 12th
8. 2 SCHEDULES TODAY

1215 CORRIGAN/SOLIMAN →

1. EMERGE FEES

Location CLAREMONT Date 08/27/03

Project / Client FIELD MGMT.

MJB OVERCAST 87°F 1515

2. PIT REMOVAL

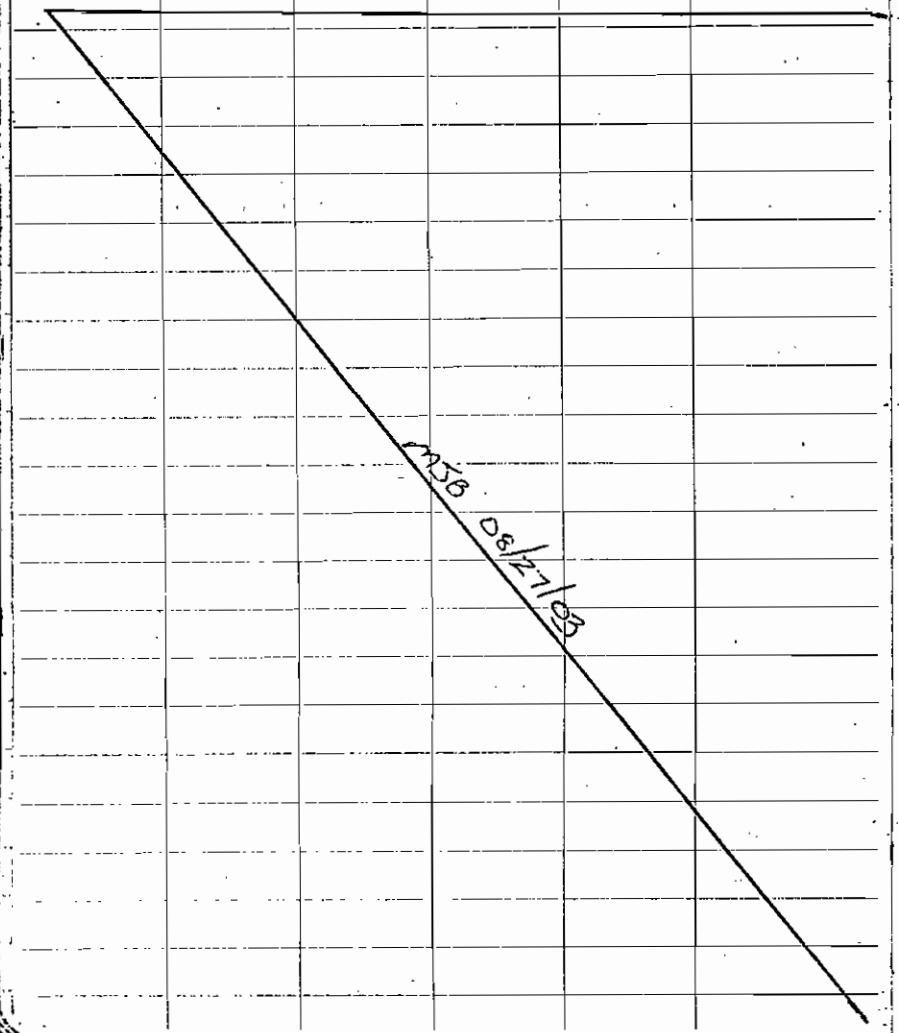
1240 UNIV. TESTING → LMTCB
1245 510-647-9331 (MIKE P.)
1250 SOLIMAN → SURVEY SCHEDULE
1255 PLASTIC SPEC? SAMPLE TODAY?
1340 (WW) MIKE B. BEGAN HAMMERING CONCRETE
1340 WATER ASBESTOS DOWN THURSDAY
1405 UNIV. TESTING → DAWN, WHOEVER SCHEDULED TESTING MUST CALL, TESTS ARE COMPLETE
1410 SOLIMAN → LMTCB
1412 MID ISLAND → FAX LAST 2 RECEIPTS
1415 ANDERSON → GOT PRINTS
1420 SOLIMAN → REQUESTED COMPACTION RESULTS
1425 JOE → EQUIPMENT ONSITE TOMORROW 7AM
1505 SOLIMAN → CALL DICK ON PITS
1515 GAVE JOHN NELSON SITE ORIENTATION
1530 MYERS → FRONT AREA READY/VOID OF CONCRETE BY 0700 TOMORROW
1645 HAMMER OPERATOR OFFSITE
1700 WALLACE CARVINGS HAZ. FACE CORRIGAN MOVING FRONT CONCRETE

Location CLAREMONT Date 08/27/03

Project / Client FIELD MGMT.

MJB

1910	CRONCE → STATUS REPORT DISCUSSION
1920	USE 15000 CY FINES FOR FINAL GRADING PLAN



Location CLAREMONT Date 08/28/03

Project / Client FIELD MANAGEMENT

0630	ARRIVED
0715	SAFETY MTG. (SITE ORIENTATION)
0745	BIAN → REQUESTED HIS PRESENCE TO SIGN MANIFESTS
085	JOE III → 2 DAYS, 2 LABORERS, 2 MACHINES, CHAINSAW, CLEAN UP AREA, CONCRETE PAD?
0830	EARTH TECH (NY YOC 4692) ONSITE
0800	CARBON FILTRATION SYSTEMS (NY 212063) ONSITE
0845	EXTEC MAIN REP. OFFSITE (SPOKE TO HIM)
0850	CONV. W/MYERS → LOT OF CONCRETE
0850	BIAN ONSITE
0855	11 OR WITH TRUCKS → PA AE-58433 (85) XK-49181 (154) PA AE-62402 (562) XT-46042 (100) PA AE-35682 (531) XN-23140 (178) (ALL FREIGHTLINERS)
0700	FINLAY SCREEN OFFSITE
0715	HAZ. WASTE EQU. ONSITE 1. KOMATSU PC228USLC (JDP 246)
0900	PHOTOS OF 1ST TRUCK (531/178) OFFSITE
0905	PHOTOS OF DIAXLE (JDP 786 NY NR3610) MANUEL TABONE (DRIVER)
1000	PHOTOS OF 2ND TRUCK (562/100) OFFSITE

Location CLAREMONT Date 08/28/03

Project / Client FIELD MGMT

MJB

1000	CRONCE → SURVEY TIME, HAZ STATUS, USE OF TRNSPORT TRUCK, BACKFILL SCHED.
1000	JDF MAINTENANCE (NY 64131 AK) ON-SITE (EDWARD DRIDGE)
≈1115	3RD DRIVER MISJUDGED LOAD WEIGHT (FOR SCALE STUCK) APPROX 20000 LBS OVER, HAD TO UN-LOAD A PORTION OF LOAD DOWN FRONT ON CLEAN PLASTIC, THEN REDISTRIBUTE LOAD UP BACK W/ EXCAVATOR
1120	I DIRECTED "766" TO LOAD UP WHILE TRAILER IS BEING DUMPED
1130	IS THE HAZ OPERATOR ACTUALLY AN OPERATOR OR A MECHANIC?, SHOULD HAVE A LARGER EXCAVATOR, IS HAZ CREW TRAINED UP-TO-DATE?, WHY DIDN'T CREW HAVE PROPER GARB?
1145	FIRST "766" DUMP
1200	SPATAFORI ONSITE, SOME ODOR IN HAZ WASTE AREA
≈1340	FIRST LOAD HAZ. CONCRETE
1630	ORDERED CONT. FROM MID ISLAND

MJB 08/28/03

Location CLAREMONT Date 08/29/03

Project / Client FIELD MANAGEMENT

MJB CLEAR SKIES 84°F 0840

0645	ARRIVED ON-SITE
0700	HAZ. MAT. SAFETY
0715	PRIMARY CREW SAFETY MTG
0720	JOE III LEFT SITE
0725	MIKE THINKS GRADE/BACKFILL TUESDAY
0730	JOE II THINKS NOT WORK TOMORROW
0730	"204" ON-SITE
0730	HAUL SHEETS, GAS, BOOTS
0815	CRONCE → VARIOUS ISSUES, GET HAZ. TRAINING
0835	MYERS → ASSESS TREE INTEGRITY
0840	ALL ON-SITE WORKERS TOOK BREAKS
0910	SCRAPE SLOPES ON N FACE, WALL OF
0920	ARTIE MEADOWS (HEAD OF OPERATORS) ON-SITE
1040	AK → LMTCB.
1130	MIKE P. → BACKFILL IN HAZ. ON WED., FINAL GRADES TUESDAY, THEY MADE MISTAKE ON NOT GETTING BASE GRADES ORIGINALLY,
1220	REMEMBER "266" CONCRETE + WOOD
1220	Z66 LEFT SITE
1210	RODNEY CONFIRMED DECON. COMPLETE CALL SOLIMAN @ 1230
1400	CRONCE → SURVEY, PLASTIC

Location CLAREMONT Date 08/29/03

Project / Client FIELD MANAGEMENT

MJB

1410	MYERS →	1. 15 TRAILERS / 3 RO's WED
		2. COVER DEBRIS
		3. 5 RO's THURSDAY
		4. WATCH DEBRIS VOLUMES
		5. 2 MANILLA FOLDERS
1415	MID ISLAND	ONSITE
1420	EMAIL ASCII FILE TO JEFF BAUSCH	
1430	3149 JG (NY) JEFF OFFSITE	
1450	#10 TO JAMES	
1620	SACKTILLING HAZWASTE AREA (NEED TO GET CONFIRMATION SURVEY FOR VOLUME OF PIT ON TUESDAY)	
08/28/03	215-947-3800 STEVE STIRES 215-230-9766	

MJB 08/29/03 09/02/03 MJB

Location CLAREMONT Date 08/30/03

Project / Client FIELD MANAGEMENT

MJB SUNNY AM, OVERCAST PM

1320	MIKE P. OFFSITE
0700	PROCESSING OF DEBRIS
THRU	
1800	

MJB 08/30/03

Location CLAREMONT Date 09/02/03

Project / Client FIELD MANAGEMENT

MJB DRIZZLE/OVERCAST 62°F 0615

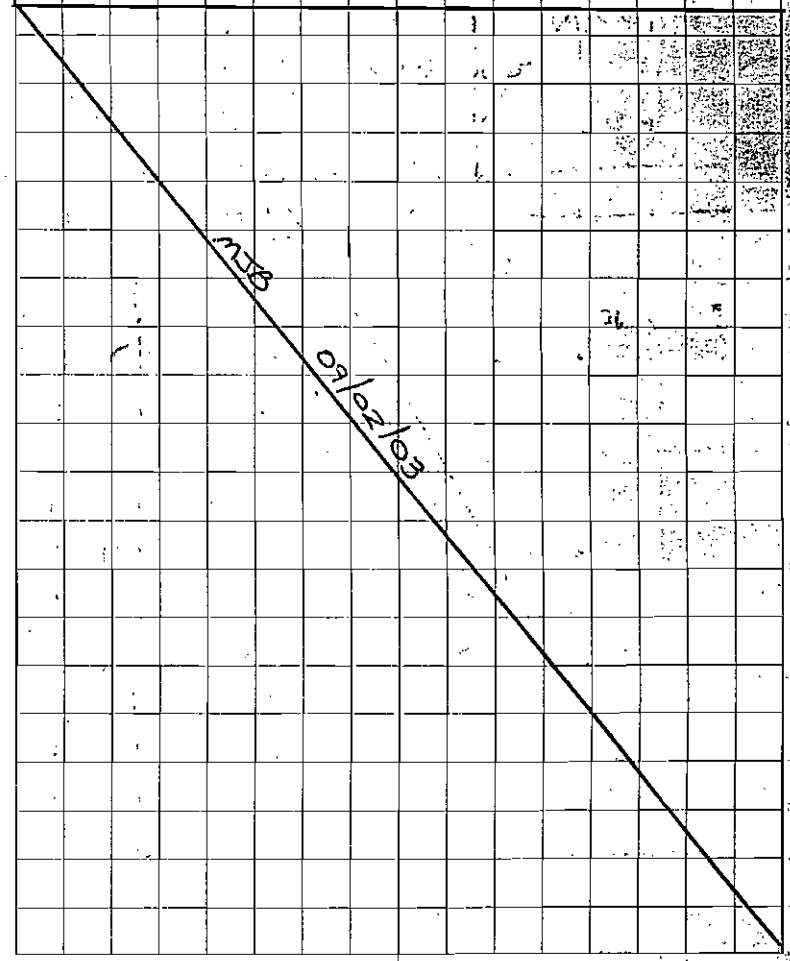
0600	ARRIVED ONSITE
0610	SURVEY OF STOCKPILES STARTED
0740	SAFETY MEETING (SLIPS, TRIPS, FALLS)
0815	KOLLETZKI → COMPUTER SWAP, SEND HARDRIVE TO HARRISBURG
0900	BWE BEGAN BACKFILLING
1000	PHOTOS OF SITE, BACKFILLING FROM BULGE IN LG STOCKPILE TO NE QUAD
1025	KEEP CLOSE EYE ON BACKFILL VS. STOCK-PILE OPS
1035	ANDERSON → SEPARTE HARDCOPY FOR EACH CALCULATION, LAST CALC SOON
1040	CRAIG SAUNDERS NOT ON-SITE YET, NEED ANOTHER LABORER
1130	MARK A. FERBER (WASTE RECYCLING SOLUTIONS), TOLD GET HEAVY & TARE, 631-654-3811, 1850 RT. 112 MEDFORD, NY, LOAD WOOD OFFSITE
1235	EXCELLENT DUST CONTROL (MIN)
1345	CAT 980 BACK ON-SITE (LEFT TO DO SOME WORK ON JOE III'S SITE)
1445	SR # 692553 (W) (09/03/03) SR # 692941 (R) (09/04/03) WED 15 TRAILERS THURS 8 ROLLOFFS

Location CLAREMONT Date 09/02/03

Project / Client FIELD MGMT.

MJB DRIZZLE/OVERCAST °F 1445

1600	DIG A FEW TEST PITS TO CONFIRM CLEAN SAND PRESENCE
1610	KEITH REQUESTED REPAIR OF 980 TIRE
1800	ALL BWE PERSONNEL OFFSITE



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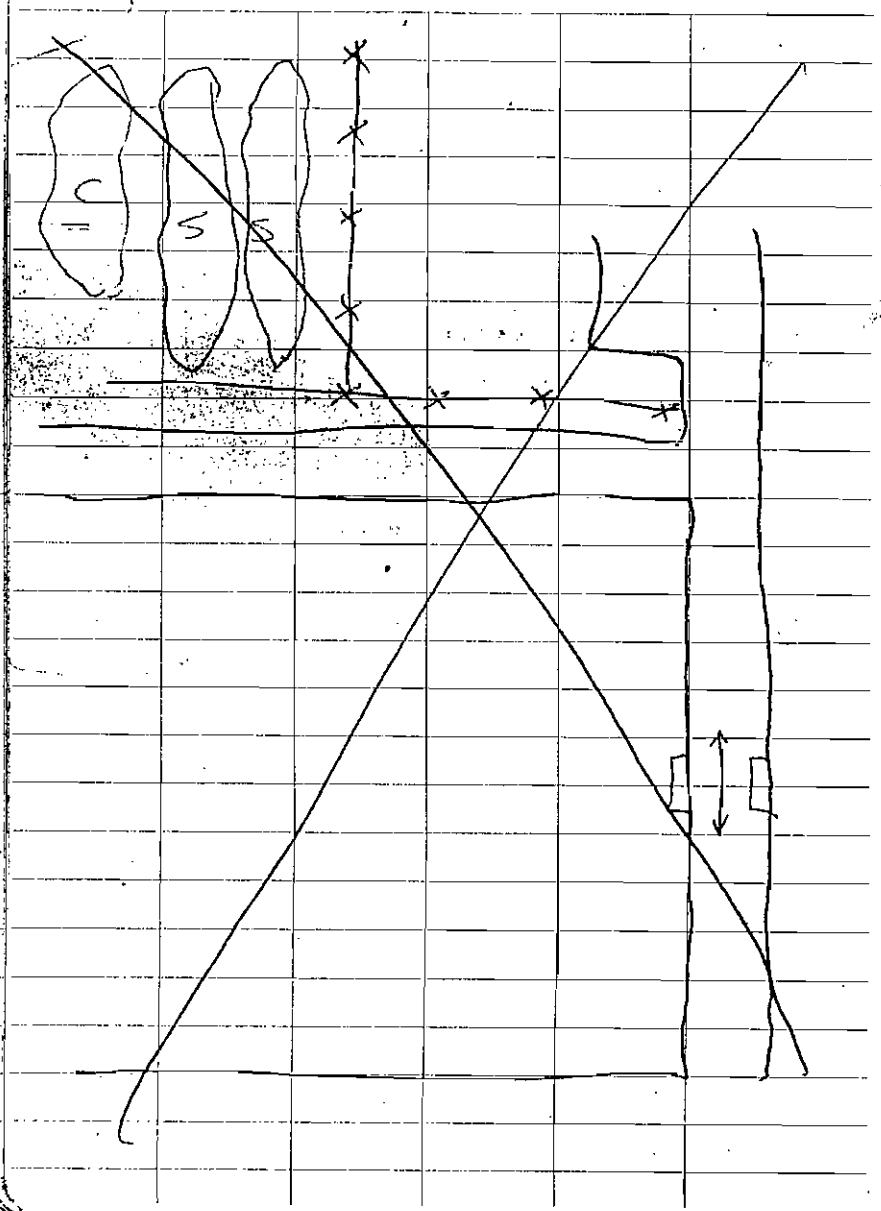
Location CLAREMONT Date 09/03/03

Project / Client FIELD MGMT.

MJB DRIZZLE



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Location CLAREMONT Date 09/03/03

Project / Client FIELD MGMT.

MJB

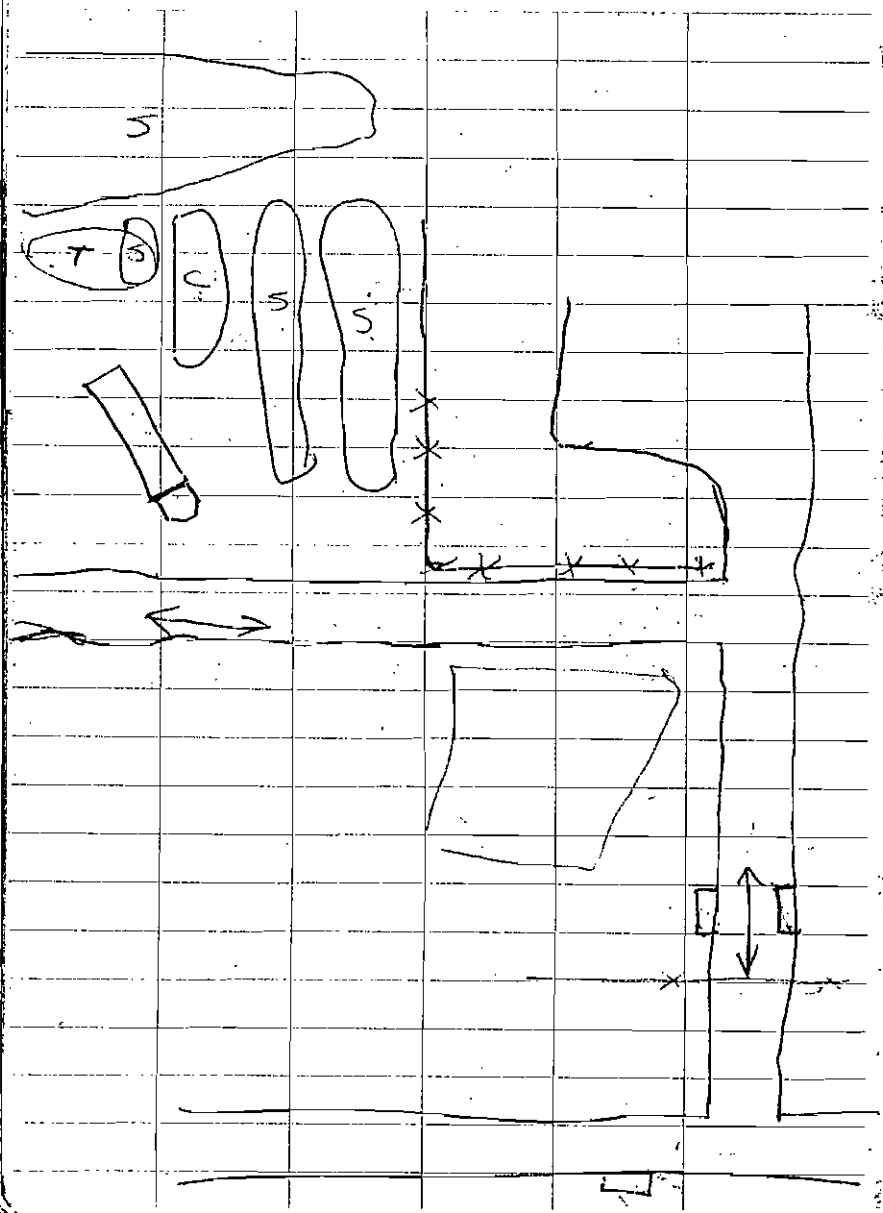
ROB HARVEY
KOKOU TOSSAN
GEORGE VAVRO (HORWITH)
CHARLES STICKER
JIM WEST
KEVIN HICKS (US BULK)
ERIC McDONALD (HORWITH)
KEVIN HENRY (US BULK)
DAN CROAK (ARCE)
GEORGE ARNETH (ARCE)
ARNOLD REPH (HORWITH)
JAMES ROMAIN (HORWITH)
1345 MICHAEL POWERS (HORWITH)

MJB 09/03/03

Location CLAREMONT Date 09/03/03

Project / Client FIELD MGMT.

MJB



Location CLAREMONT Date 09/03/03

Project / Client FIELD MGMT.

MJB DRIZZLE/RAIN °F 1115

0835 516-677-5935 TOB ~~0835~~

NO DIPOSK

ANTHONY - HIGHWAY DEPT.

CONES / BE SAFE

0945 SOLIMAN → I REQUESTED REVISED SCHEDULE IF CHANGED; I REQUESTED HE TALK TO MIKE; HE SAID HE AND JOE III AGREED IT WOULD CAUSE NO PROBLEM W/ SCHEDULE AS IT STANDS

1000 HITTING MORE PLASTIC IN DEBRIS

1115 WELL INTO ASBESTOS AREA, GOOD PROGRESS, RAIN HELPING

MJB 09/03/03

Location CLAREMONT Date 09/04/03

Project / Client FIELD MANAGEMENT

MJB OVERCAST 70°F 0700

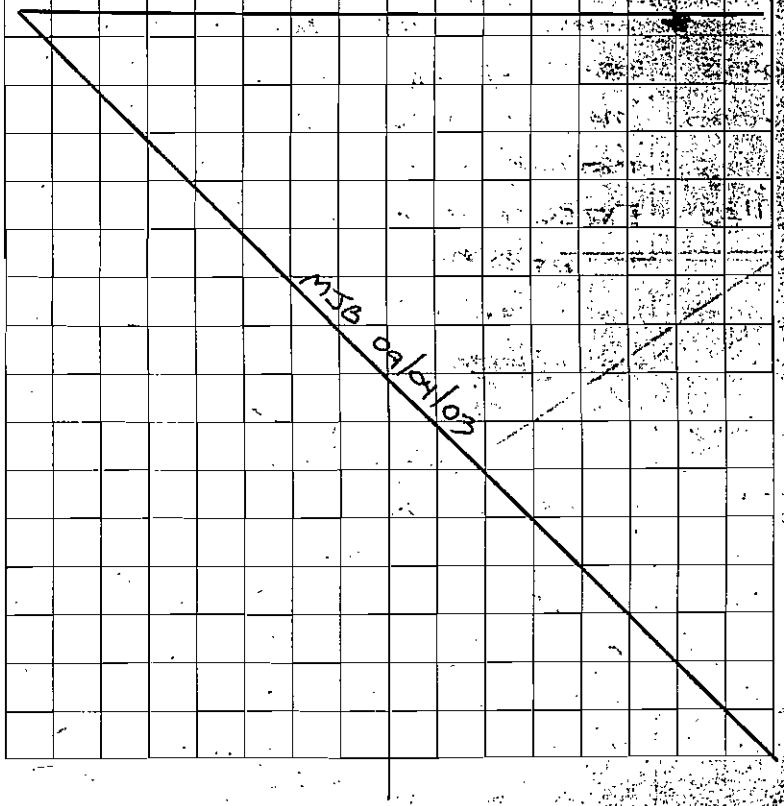
0630	ARRIVED ONSITE
0700	SAFETY MTG
0730	HAZ WASTE LOADING
	? (PRICE OR HORWITH)
	IVAN ZINKIV (PRICE)
	PAVEL ZINKIV (PRICE)
	RAYMOND BEAR (~~PRICE~~ HORWITH)
	(PRICE HORWITH)
	JERRY ANDREWS (HORWITH) STINGRAY51@ KEN WISKIEWICZ (HORWITH) (BFC) aol.com
0900	SHORT ONE LABORER STILL
0940	SOLIMAN → LMTCB
0945	FUEL DELIVERY
0950	SOLIMAN → BACKFILL NEXT WK, DONE BY 09/12/03
1000	MATT BOSSE → OP. ON-SITE
1000	JOE/MIKE P. → BACKFILL NEXT WK, EITHER BACKFILL TOMORROW OR T+M ON PITS (NEED HAMMER)
1035	SOLIMAN → 1105C WILL TAKE ACP, NEED TO DOCUMENT NONFRIABLE
1038	MYERS → LMTCB
1045	SOLIMAN → 1105C WILL TAKE ACP W/ WOOD LOAD
	MYERS → 11% → NONASBESTOS CELLOSE FIBROUS 81% 8% CRYSOTILE
	DOESN'T SAY "NON FRIABLE" (NONFIBROUS)

Location CLAREMONT Date 09/04/03

Project / Client FIELD MGMT.

MJB OVERCAST 76°F 1100

1053	SOLIMAN → LMTCB
1055	MID ISLAND PICKUP
1420	1. CLEAN PERIMETER
	2. PHOTOGRAPH PERIMETER
	3. PHOTOGRAPH BACKFILL PROGRESS
	4. USE CONTAINERS TO CLEAN SITE
	5. WHERE DISPOSE TIRES
	6. SCHEDULE SURVEY



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Location CLAREMONT Date 09/05/03

Project / Client FIELD MANAGEMENT

MJB SCATTERED CLOUDS 68°F 0800

0700	ARRIVED ONSITE
0715	SAFETY MEETING
0800	RUNNING 205/683 COMBO TODAY
0820	DONNIE LOADING WOOD CONTAINER ON 104 (30423 CAN)
0853	104 (WOOD) BACK ONSITE
0945	HAMMER DOWN FOR REPAIRS
0945	JOHN BACKFILLED APROX. 2 HRS YESTERDAY JOHN NOW MOVING LRGE STONES
0955	~~3RD~~ 4TH LABORER STILL NOT ONSITE
1000	MALCOLM WENZ (NEW OPERATOR) ONSITE (SORTING ROCKS)
1123	EXTEC REP. ONSITE

MJB 09/05/03

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Location CLAREMONT Date 09/06/03

Project / Client FIELD MANAGEMENT

MJB CLEAR SKIES 59°F 0815

0645	ARRIVED ON-SITE (WALLACE, CRAIG, SEA COAST FUEL WAITING @ GATE)
0815	PROGRESS PHOTOS
0825	CREW HAS BEEN PREPARING SCREENING AREA SINCE 0730; SCREENING BEGAN @ 0825
0827	PACE OFF NW QUAD WELL LOCATIONS
0828	GET A FEW TEST PITS IN TODAY AND DOCUMENT BASE GRADE REASONING
0840	RELATIVELY CLEAN DEBRIS (PHOTOS)
0841	CLEAN DEBRIS AROUND PERIMETER
0849	NEED TO WATCH PROPERTY LINE WHEN GMOING PERIMETER
0851	GET PHOTO OF CREW TODAY
1000	SOLIMAN → MISC., WT. SLIPS TODAY
1014	CONCRETE SLABS / STEEL OUT BACK
1020	DELL → CALL TONIGHT
1330	ASKED ATV DRIVER NOT TO RIDE ON-SITE
1440	CONCRETE BEING HAULED OFFSITE
	772; 32620 TARE
	773; 21000 TARE
	771; 29000 TARE
	775; 31,060 TARE
	ON REGISTRATION
1530	LAST TRUCK OFFSITE

Location CLAREMONT Date 09/06/03

Project / Client FIELD MGMT.

MJB CLEAR SKIES 86°F± 1640 (LAW DUST)

1530	EXTEC SCREEN WENT DOWN (OIL LOW)
1550	INSTALLED PRINTER ONTO BOB'S COMP.
1630	SAUNDERS → EXTEC DOWN AGAIN
1645	EXTEC REP. OFFSITE
1710	EXPLORING NW CORNER FOR DEBRIS
1735	DETERMINE BANK GRADING ALONG PERIMETER
1725	CRONCE → BACKFILL TO NW BASE, NOT JERSEY BARRIERS
1815	PUNCHLIST FROM 08/11/03 TO DATE
	1. DRESS ACCESS ROAD (MORE STONE?)
	2. PHOTOS OF PIT CLOSURE AREA
	3. SURVEY PIT EDGES
	4. CONCRETE + STEEL + PAINT BACK AREA
	5. TEST PITS IN NW QUAD
	6. GRADING PLAN
	7. RE-READ SPEC. + COMPLY
	8. SCHEDULE SURVEYS (3 END OF PIE?)
	9. FORWARD BASE TIN
	10. LOCATE 2 WELLS
	11. ESTIMATE STOCKPILE 2
	12. BATTERY DISPOSAL
	13. METZ DISPOSAL
	14. TIRE DISPOSAL
	15. ASBESTOS DISPOSAL

Location CLAREMONT Date 09/06/03

Project / Client FIELD MGMT

MJB

	16. DRUM DISPOSAL
	17. DEBRIS SLIPS
1900	DUG FINAL TEST PIT IN NW QUAD (PHOTOS) → CLEAN!!!!!
	~~→ IE~~ →
2000	ALL PERSONNEL LEFT SITE
	18. COMPARE SURVEY TO TEST PITS
	19. READ SPECIFICATION
	20. ROLL FIRE HOSES
	21. REPLACE PIPE SPOOL
	22. CLEAN OFFICE
	23. DOCUMENT BASE GRADE DECISIONS
	24. FINAL PHOTOS
	25. PERSONNEL PHOTO PAGE
	26. SILT FENCE REMOVAL
	27. FINAL RESTORATION
	28. INFILTRATION PITS
	29. CLEAN OLD CHEM. BLDG. PERIMETER
	30. FINAL SURVEY / CALCULATIONS
	31. CUT TREE CORNER CHEM. BLDG.
	32. COMPARE 3RD PARTY SURVEYS
	33. REVIEW E-FILES + COMPLY
	34. GENERAL HOUSEKEEPING
	35. CLOSEOUT

Location CLAREMONT Date 09/08/03

Project / Client FIELD MANAGEMENT

MJB CLEAR SKIES 66°F 0820

0630	ARRIVED ON-SITE
0715	SAFETY MEETING
0740	ANDERSON → SURVEY TOMORROW MORNING
0740	JOE III ON-SITE, POSSIBLY GET SOMEONE TO REMOVE TIRES, GET BACK TO ME
0800	CRONCE → MISC, STAY TILL END, DINNER, LETTER OF COMENDATION
0830	CRONCE → "KEY MARK"
0831	CHECKING EMAIL
	SOLIMAN → SCHEDULE, SEED APPROVAL, TIN FORWARDING, PUNCHLIST, FINAL SURVEY
0845	CHECKING / WRITING EMAILS
1000	SEAVERS → MISCELLANEOUS
1020	COMPARED BASE TIN TO TEST PIT DATA (OK)
1045	USING ANOTHER BWE ROLLOFF FOR C&D (1540 / 15 CY ?)
1125	ASKED ALFONSE / LUIS TO LOAD ASBESTOS
1130	DONNIE LEAVING W/ 1ST C&D LOAD ON NEW ROLLOFF
1135	LOADING ASBESTOS ON ROLLOFF 30423
1145	BWE SURVEYOR ON-SITE
1150	PHOTOS OF ASBESTOS CEMENT PIPE (MEASURED TO ≈ 40 LF OF 3" THRU 12" ACP), COVERED W/ PLASTIC, COVERED W/ WOOD

Location CLAREMONT Date 09/08/03

Project / Client FIELD MANAGEMENT

MJB PARTLY CLOUDY 80°F 1615

1130	SPATAFORI → MISC. DISCUSSIONS
1155	JDP MAINT. ON-SITE (NY 81111-JK) TO REPAIR WA450 FRONT RT. TIRE
1200	ASCII FILE FOR SURVEYOR (NY 31494-JK)
1205	ANDERSON → LMTCB (ASCII FILE)
1235	PHOTOS OF BARRELS → TALK TO CRONCE
1245	BERM ALONG WEST EDGE PROPERTY TO INHIBIT DUMPING
1315	CRONCE → CALL BACK (DRUMS)
1320	ANDERSON → LMTCB (BASE DWG.)
1430	CRONCE → MOVE TIRES, BARRELS W/ SEDIMENT, EXPEDITED SCHEDULE
1500	BETHPAGE STABLES → ASK NEIGHBOR (OSA) IF / WHEN MOVE ~~TRUCKS~~ TRAILERS
1505	SEACREST → WILL MOVE TRAILERS @ END OF TODAY
1515	ORDERED CONTAINER FROM MID ISLAND (TOMORROW)
1530	JON → HER SUP. VISIT 9AM WED.
1535	CRONCE → " " " " "
1550	EMAILING DRUM PHOTOS TO CRONCE
1610	ANDERSON → ASCII, BASE DWG., VOLUME; 0730 TOMORROW SURVEY
1645	SOLIMAN → GRADING PLN TOMORROW, DUST

Location CLAREMONT Date 09/08/03

Project / Client FIELD MGMT.

MJB PARTLY SUNNY 76°F 1710

CONTROL FIRST THING TOMORROW

1710 CORRIGAN → LABORER FOR DUST CONTROL TOMORROW

1715 ANDERSON → 3 SURVEYORS ON-SITE 6AM

MJB 09/08/03

Location CLAREMONT Date 09/09/03

Project / Client FIELD MGMT.

MJB PARTLY CLOUDY 60°F 0800

0600 ARRIVED ON-SITE, D8 ONSITE, TRUCK NEEDS SPACE @ BETHPAGE STABLES, KEESLER TRUCK & TRACTOR; BG. WILLIAMS, BARELY MADE IT BETWEEN B5 TRAILER AND SEACREST, D8 UNLOADED 0715

0735 KEESLER TRUCK LEFT SITE

0600 AK ON-SITE

0800 DAN (AK) → SURVEY NORTH BANK

0815 HAULED STEEL/BATTERIES W/BURNS

0820 CRONCE → QUANTITIES INTO REPORT TODAY, HIM ON-SITE TONIGHT

0830 ( )

1030 RETURNED TO DITF

1105 CORRIGAN → DISCUSSED GRADING

1. CAN'T COVER UTILITIES
2. EAST DRAINAGE
3. NORTH DRAINAGE
4. WEST BERM
5. WEST DISCHARGE (X2)
6. SOUTH DRAINAGE

1310 CRONCE → 8% SLOPE MAXIMUM, MISC.

1450 ANDERSON → VOLUMES TOMORROW, WHICH FLAGS WEREN'T GOTTEN, DISCREPANCY ON VOLUME (GOOD COMPOSITE) →

Location CLAREMONT Date 09/09/03

Project / Client FIELD MANAGEMENT

MJB PARTLY SUNNY 70°F 1630

	GET BACK TO ME ON DISCREPANCY
1505	SOLIMAN → LMTCB (LATEST WEIGHTS)
1510	CRONCE → QUANTITIES TO-DATE, LEAVE PITS GO, AK ON DISCREPANCY
1545	MIKE P. → REQUESTED BASE TIN UNDER LARGE STOCKPILE
1550	CRONCE → OK TO SEND BASE TIN TO BLUE
1550	ANDERSON → TIN IS ON DISK, SENDING, TO BLUE
1605	SOLIMAN → MISC., MEET THURSDAY
1605	FORWARDED BASE GRADE TIN
1630	TODAY GRIZZLY, ZERO SWING, AND KOMATSU EXCAVATOR WERE DEMOBILIZED

MJB 09/09/03

Location CLAREMONT Date 09/10/03

Project / Client FIELD MANAGEMENT

MJB. CLEAR SKIES 51°F 0700

0600	ARRIVED ON-SITE
0700	DISCUSSED LOW POINT W/CORRIGAN
0710	ORDERED 20 CY CONTAINER FOR STEEL
0710	BLUE SURVEYOR ON-SITE
0830	CALL ERIC SWENSON (#72/TON) TOB SCALES →
	ERIC SWENSON → JACK COLLETTA
	CASINGS, INC. (CATSKILL, NY) TOB USES
	MYERS → USE 516-594-9018 (COY)
	WE HAVE PERMITS IN OFFICE
0940	MIKE P., JOE P., SURVEY → FINAL GRADES
	@ STOCKPILE AREA AND TOP; 3RD [?]
1145	PHOTOS OF PROGRESS
1145	WALK-THROUGH W/JON, BRIAN, CRONCE →
	1. FLAT GRADE NORTH EDGE
	2. WEST BERM/FENCE
	3. EASTERN UTILITIES
	4. SOUTHERN GRAVEL
	5. AS-BUILT DRAWING
	6. COMPLETE PROPERTY SURVEY
1445	SOLIMAN → OMNI, #475, ~~#75/TN~~, #9 TRUCK, #1.25 CAR
	CASINGS, INC. (COY) →
1530	FAX INFORMATION → BILL, CONTACT, LOCATION; #1.50 CAR, #8 TRUCK, #5/PLY; # OF EACH; 516-594-3965 (FAX)

Location CLAREMONT Date 09/10/03

Project / Client FIELD MGMT.

MJB SUNNY 71°F 1615

1535	CAR → 35 NO WHEEL, 5 W/WHEEL
	TRUCK → 2 NO WHEEL, 1 W/WHEEL
	OFF-ROAD → 7 NO WHEEL (10 PLY AVG.)
	(17.5/65-20)
1610	SENT FAX TO CASINGS
1630	MYERS → #450 FOR TIRES (OK/PROCEED)

MJB 09/10/03

Location CLAREMONT Date 09/11/03

Project / Client FIELD MGMT.

MJB SUNNY 75.9°F ~~+045~~ 1400

0635	ARRIVED ON-SITE / ROUGH GRADING TODAY
0700	CUTTING TREES DOWN NORTH EDGE
1000	BWE SETTING SOME GRADES E TO W
1410	CASINGS (GREG) → CALL 7:30AM TOMORROW, MOVE MONDAY/TUESDAY
1550	ANDERSON → 7,525 SMALL
	11,600 LARGE
	145 PIT
	19,270 + 7% = 20,619 CY
1555	CRONCE → (FOR MEMO)
1650	CRONCE → AMTOS (TAR)

MJB 09/11/03

Location CLAREMONT Date 09/12/03

Project / Client FIELD MANAGEMENT

MJB PARTLY CLOUDY 56°F 0630

0630	ARRIVED ON-SITE
0635	SITE WALKAROUND (PUNCHLIST)
0700	SIPKA → DISCUSSED FINAL GRADING.
	SAUNDERS → CLEANUP / DEBRIS
0730	CORRIGAN → PUNCHLIST ITEMS
0740	" → LABORER TOMORROW
0750	EXPENSES / TAR
0820	BIAN ON-SITE / SITE WALKAROUND
0900	CRONCE → FINAL GRADING (LMTCB)
0945	CORRIGAN → REQUESTED THAT THEY PLACE TOPSOIL ON ONLY THE 250'X 250' DEBRIS AREA (CONFIRMED)
1000	CRONCE → TOLD DICK I REQUESTED CORRIGAN TO PLACE ONLY 7,000 SY OF TOPSOIL, DICK INDICATED THAT ITEMS 10 AND 12 WILL BE FINISHED OFF BY SOMEONE ELSE, DICK INDICATED 10 AND 12 ARE NOT BEING INCREASED MORE THAN AS-BID
1015	CORRIGAN → REITERATED ≤ 7,000 SY TOPSOIL PLACEMENT
1040	AK → LETTER TO ME DOCUMENTING QUANTITIES AND BASIS, AS-BUILT DWG. LATER

MJB 09/12/03

Location CLAREMONT Date 09/13/03

Project / Client FIELD MANAGEMENT

MJB OVERCAST/WET °F 1015

0630	ARRIVED ON-SITE
0730	GAVE PERSONNEL DIRECTIONS ON PERIMETER GRADING AND DEBRIS CLEANUP, LOADED I-BEAM FRAME ON STEEL CONTAINER
1015	DHC DEMOBILIZATION
1045	CASINGS → LMTCB
1050	CRONCE → IF LIME REQUIREMENTS LESSEN (pH = 5.5+ NO DISKING REQUIRED
1200	PAYLOADER OFFSITE
1200	WORK COMPLETE, RAIN BEGAN
1330	PHOTOS OF SITE
~~0945~~	~~GREG (CASINGS) → 8-9, GAVE DIRECTIONS, PICKUP 8-9 AM TOMORROW~~

MJB 09/13/03

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Location CLAREMONT Date 09/15/03

Project / Client FIELD MANAGEMENT

MJB OVERCAST/MUGGY

0700	ARRIVED ON-SITE
0710	METS → PICKUP BOTH DUMPSTERS
0710	TIMMY (LANDSCAPER) → BE HERE (LMTCB)
0730	TIMMY (LANDSCAPER) → BE HERE 20 MIN.
0755	METZ CONTAINER OFF SITE
0810	LOUIE (SEACREST) → MOVE TRAILERS (TALK TO JIMMIE)
0820	CRONCE → STATUS, MOVE HAZ. WASTE BACK, MOTORCYCLES ONSITE (NEED FENCE)
0830	CHRISTOPHERSON (TIM) → SPOKE ABOUT SEEDING, WILL SEED ENTIRE SITE, WARRANTY REMAINS SAME, pH 5.5
0840	MID ISLAND → ORDERED CONTAINER OFF
0825	BIAN → HE'LL TALK TO CRONCE ON SIGNS
0850	JOE III → D6 TODAY, D8 TOMORROW
0855	LABORERS PICKING ROCKS / SMOOTHING
0915	CASINGS → GREG → PICKUP 8-9AM 09/16
1000	MIKE P. ON-SITE (SPEAKING TO SOLIMAN)
1050	296#/AC (SEED) 8#/1000SF (FERT.) ~15#/1000SF (LIME)
1100	CRONCE → LMTCB
1120	CRONCE → pH PROBE → CHECK ANNUAL → QUICKER 8#/AC → OK (FERT.)

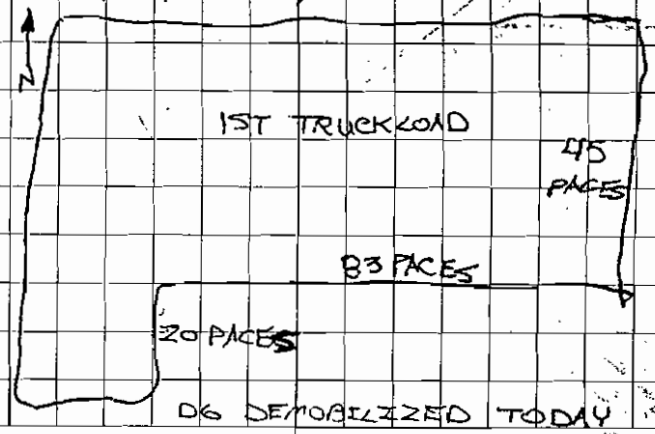
143

Location CLAREMONT Date 09/15/03

Project / Client FIELD MGR.

MJB

	SHEWEN WANTS FENCE NOW; PUT UP NOTRESPASSING SIGNS, CAUTION TAPE; TELL BOB DICK HAS FIELD BOOK
	CHRISTOPHERSON → "ANNUAL" VS. "PERENNIAL" RYE GRASS
1150	HYDRANT VALVE CLOSED
1150	REQUESTED EMPTY BAG COUNT, FROM LANDSCAPER
1200	3,600 GALLON TANK TRUCK ?, FILLED UP ON WINDING ROAD
1220	CHRISTOPHERSON → ANNUAL RYEGRASS ON-SITE
1300	FIRST LOAD COMPLETE
1305	ANDERSON → RT. ON MORRIS, 2-3 BLOCKS, MOBIL LEFT, DINER RT, MUNICIPAL P-LOT



144

Location CLAREMONT Date 09/15/03

Project / Client FIELD MGR.

MJB

1320	SOLIMAN → 631-249-8124 (FAX) VOLUMES	
1345	SOLIMAN → 11,633 CY (LARGE)	
	7,525 CY (SMALL)	
	145 CY (HAZ.)	
	19,158 (SAIC)	19303 CY
	19,238 (BWE)	
1440	CRONCE → VOLUMES	
1450	LANDSCAPER FIXING HYDRAULIC LINE	
1450	1 25 LBS BAG ANNUAL RYEGRASS IN 1ST LOAD	
1525	BEGAN SEEDING SECOND LOAD	

MJB, 09/15/03

145

Location CLAREMONT Date 09/16/03

Project / Client FIELD MANAGEMENT

MJB SUNNY 82°F± 1210

1130	ARRIVED ON-SITE
0815	D8 WAS DE-MOBILIZED (APPROXIMATE)
1250	CRONCE → DEBRIS (390), CONCRETE (7000), STEEL (170), MUNICIPAL (30 CY) → LMTOB
1305	BIAN/BURNS (ENDED 1350) CRONCE/VANN → CONFERENCE CALL
1255	LAST LOAD STEEL OFF-SITE
1350	(GREG) CASINGS → WHITE MACK, BLACK BOX
1450	JOHN MISTRUP (CASINGS) ON-SITE QUOTED #44K (CASINGS, INC)
1430	BWE DEMOBING TOOLS
1520	LAST TIRES OFF-SITE

MJB 09/16/03

Location _____ Date _____

Project / Client Phone Numbers

Claremont GWTF	(o)	516-777-7242
	(f)	516-777-7243
Dick Cronee	(o)	717-901-8852
	(c)	717-475-4120 (h) 717-426-3303
Bob Burns	(h)	631-266-1885
Emergency		911
North Shore University Hospital		516-573-6800
Chris Fontana		610-594-3630
ALSI -		717-944-5541

Common Field Data Error Codes

Error Codes Are Used to Explain Common Mistakes and Are Written Above or Close to the Mistake.
Commonly Used Error Codes Include:

- RE Recording Error
- CE Calculation Error
- TE Transcription Error
- SE Spelling Error
- CL Changed for Clarity
- DC Original Sample Description Changed After Further Evalutaion
- WO Write Over
- NI Not Initialled and Dated at Time of Entry
- OB Not Recorded at the Time of Initial Observation

Note: Error Code Should Be Circled, Dated And Initialed When Recorded.

Hazard Classifications

Class 1 Explosives
Class 2 Gas
Class 3 Flammable Liquid
Class 4 Flammable Solids (Potential spontaneous combustion, or emission of flammable gases when in contact with water)
Class 5 Oxidizing Substances and Organic Peroxides
Class 6 Toxic (poisonous) and infectious substances
Class 7 Radioactive material
Class 8 Corrosives
Class 9 Miscellaneous dangerous goods

Container type abbreviations (for sampling guidelines):

BR - Boston Round
ABR - Amber Boston Round
AJ - Amber Jug
CWM - Clear Wide Mouth
AWM - Amber Wide Mouth
Poly - Polyethylene Bottles
BOD Bottle

PROJECT MANAGEMENT AND STORM PIT SAMPLING

Field Log Notes

54 Location CLAREMONT Date 5/8/03

Project / Client

TPE, ~58°F, Cloudy

0626	ON-SITE, UNLOCKING RECEIVERS	
0651	EW-3	DTW 100.38' BTOC
0700	EW-1	DTW 74.27 BTOC
0704	EW-2	DTW 86.16 BTOC
0710	DW-2	DTW 76.00 BPVC
		DTW 76.45 BGL
0715	STOPPED DATA LOGGER, GOING TO SET UP NEW TEST TO INCREASE SAMPLING RATE	
0720	STARTED NEW TEST - SET SAMPLE RATE TO 10 SEC	
0930	START PUMPS AND MONITOR EW-2 W/ WATER TAPE, RECORD MEASUREMENTS ON WATER LEVEL DATA SHEETS	
1030	EW-2 SHUT OFF	
1116	EW-3	DTW 106.80' BTOC
1128	EW-1	DTW 74.73' BTOC
1150	DW-2	DTW 76.18' BPVC
		DTW 76.56' BGL
1206	MW-8C	DTW 75.28' BPVC
		DTW 75.76 BTOC
1230	ALL INSTRUMENTATION TAKEN DOWN	
1240	LEAVE SITE	

Todd D. Cox 5/8/03

55 Location CLAREMONT Date 7/1/03

Project / Client RCC - TT Survey

Arrive @ site 11:45

Rob leaving - Sick.

Checked 90° lines from 4,4
89 and 179°

~~Moved~~ shot 3,4 and 2,4 along N-S line

Moved instrument to 2,4

Shot back to 4,4 - 10'8 3/4" on stick

Shot back to 3,4 9'9 3/8" on stick

Turned 90 - shot to 2,3 6'11 3/4" on

Shot 100' to 2,2 - elev 4.03 3'9 1/4"

Located 0,1 and excavated to 2ft
Appeared to be virgin material

Went to 0.2 - Excavated
0-3ft - sand & gravel
3-?ft varies debris, tires etc
collected sample

PED Malfunction - Spent lots of time working on PEDS - Call EES Shipa new one

Rachel Clive 7/1/03

56 Location Clermont Debris Date 7/2/03

Project / Client

RCC - Sunny, 86°

Arrive @ site 7:00
Cathy on-site w/ excavator
Worked on PIDs - No luck
Decided to sample Southern sites w/o PID
Excavated, Describe + Sample 4,2; 4,4 + 3,4

Shawn Brad on site
looked @ pits 4,1; 3,1; 2,1 + 1,1
Shawn directed fence removed & pits closed

9:00 10:00 - Closed pits;
Excavated site 0,1
TF Brad: Re: AML lab
TF AML Lab - Work out bottles + shipping Temp + Trip blanks

PID Arrives by Fed Ex
Cathy calibrates + returns to sampling
Misc email + phone calls

TF Brad: Sign + Fax SAP Cover Page -

Location Clermont Debris Date 7/2/03 57

Project / Client

10:00 - 3:00 - Excavation + Sampling

3:00 - 4:00 - EPA - TIO Conf Call

Cathy + Jim - Return - Finished Sampling
Misc discussions; phone calls; email

5:00 - Leave the site

Cathy Crane 7/2/03

Location Claremont Debris Date 7/3/03

Project / Client

RCC Sunny + 90°

On Site w/ Mitch Brown – 11:00 AM

Bob + Jim on site

Get lunch

Site walkover w/ Mitch

1978 Tape – Blondie in waste

1:00 PM Brad Vasey + Julius Calderon

On-site

Tour the site w/ Bob, Mitch, Brad, + Julius

Tour the plant

Tour the debris piles

Tour the injection/extraction wells

Discuss SOW + Value engineering

4:00 leave site

Location Claremont Chemical Date 7/3/03

Project / Client

RCC Sunny, 90°

Mtg w/ Rob Alley, Brad, Julian

look @ injection wells, plant extraction wells

RA – lets see what sampling results look like

prob: May have injected solvents

Revised plan

Note: Ed Als – Montrose Chem

opt. of SVE system

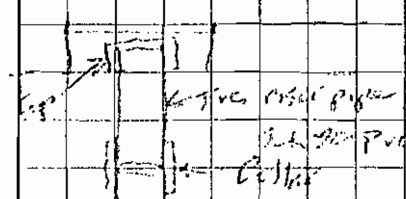
injection wells: sample

if clean – abandoned

if dirty – Call Rob + we'll decide

extraction well – sample w/ bladder

put an extension on top of well to avoid future confined space entry



Location Claremont Date 7/8/03

Project / Client

Rain Sunny, Hot

Site Kickoff Mtg w/ Bleecker 10:00

Meeting notes in file

Site walk to look @ fence + road

Mark Soliman, Paul Posillico

Adjourn - 12:15

12:15 - 1:30 - Summary w/ BRAD, Steven

[signature] 1:30 7/8/03

Location CLAREMONT Date 7/21/03

Project / Client Thunder Storms

Walk the site w/ Mitch

Frank P. - Michael Posillico + Son Inc.

MP - we'll get going this week

look @ Pol Area - Need to flag

REC + Mitch to Tape

Excavation is close to utility line - Tape?

Coarse fraction of new screen - Too fine.

Coarse fraction from grizzly (Operator) - O.K.

Talk to Mike, Re: Volumes - will manage

Talk to Mike P Re: Volumes - will manage

H+S Mtg - weather, slips, trips, + falls

Bob Ross mtg -

Agree w/ Keith - Daily Mtg in control Rm @ 7:00

Post sign in outside

Build road outside of pad

Clean Concrete to 110 Sand Fox processing R1

Dirty Concrete to Construx Fox processing R3

Flagged not/power lines to Inj wells

Flagged HAZ/SUR AREA

Mtg w/ Mark Soliman - leave site 3:30

Lunch

[signature]

62 Location Claremont Date 7/24/03

Project / Client Storm Water Pit Sampling

CAH: forecast mid 80's, currently overcast

0700 Arrived onsite. Signed in. Gathered sampling equipment

0730 Attended RTB H+S briefing

0740 RTB showed location of wells

0805 BUE moving concrete from around unknown well.

Full paint cans in bottom. At least one broken open. Dug down to horizontal valve attached to vertical 1" PVC

0825 Back to GWTF to pick up plastic bag to containing paint

As per RTB will saw off elbow + test if H_2O in well

0835 Back at unknown well. Containing baked paint

0903 Exposed ~1' of 1" PVC. Cut off at elbow. Water tape hits something hard @ ~ 2.3' BTOC

0909 Call to RTB. Leave soil with paint + plastic exposed to air as per local regs. RTB will drop off 3 full cans at local haz drop off

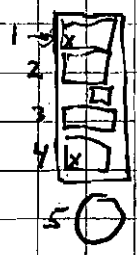
0915 Covered top of PVC w/ Duct tape. Top of PVC is ~2' below grade

Cathy Huse 7/24/03

Location Claremont Date 7/24/03 63

Project / Client Storm Water Pit Sampling

0921 Setup to sample storm pits #1 + 4



Remove fence to access Storm Pits #1+4

0929 SP #4 full to w/in ~1" of surface (CAH 7/24/03)

Depth = 10.70' below top of concrete

Tape release gas from sediment

Concrete wall 1.1' above grade

0937 SP #1 full to w/in 2" of top

Depth 10.65' below top of concrete

Concrete wall 1' above grade

0940 SP #5 DTW = 8.63' below top of concrete

Depth = 16.38' below top of concrete

Concrete wall ~ 1.3' above grade

0946 Will sample surface water w/ 1.6"x12" teflon baiter

1000 Collected sample CPC-00-SW-4000-001 from ~ 5' below top of concrete, SP#4 for VOC's, metals + SVOC's

1010 Collected Sample CPC-01-SW-4000-001 for VOC's, metals + SVOC's

Cathy Huse 7/24/03

Location Claremont Date 7/24/03

Project / Client Storm Pit Sampling

Mid to high 70's, sunny w/ clouds

1019 Collected sample CPC-MS-QC-4000-001
MS/MSD for metals (2 1-L poly) +
SVOC's (2 1-L ambers) CAH

1035 Collected sample CPC-00-SW-1000-001
from SP#1 ~5' below top of concrete,
VOCs, SVOC's, Metals
↳ 3 VOAs ↳ 2 1L amber ↳ 1L poly

1056 Collected Sample CPC-00-SW-5000-001
from SP#5 ~12' below top of concrete
VOC's, SVOCs + metals

1100 Deconned ponar dredge.

1108 Collected sediment sample from SP#4
with ponar dredge CPC-00-SE (~~SD~~) -4000-001 CAH 7/24/03
Metals, VOCs, SVOCs
Sediment (silty CAH) has shiny gold particles, leaves

1110 to GWTF to get more DI water

1126 Back at storm pit
Collecting additional 4oz sample for
RTB. Deconning sampling equipment

1141 Collected sediment sample from SP#1
CPC-00-SE (~~SD~~)-1000-001 for VOCs, SVOCs
+ metals. CAH 7/24/03
Sediment has less solids than SP#4, Appears
1° organic in nature, leaves, flocculant looking
solids green + brown CAHuss 7/24/03

Location Claremont Date 7/24/03

Project / Client Storm Pit Sampling / RW-01 sampling

80°+

1143 Deconning sampling equipment

1157 Collected sediment from SP#5 (round pit)
CPC-00-SE (~~SD~~)-5000-001 for metals, VOCs
+ SVOCs CAH 7/24/03
Lowest solids content of 3 samples, silty
w/ organic matter, leaves, brown + black

1210 Call from RCC. Collect sediment sample
from other 2 pits for visual
Dig down one more foot around unknown
well.

1220 At GWTF to get well sampling equipment

1304 Setting up on RW-01 to low-flow purge
Had trouble getting pump down well. Had
to start pump to avoid buoyancy

1406 Started collecting sample when pump
stopped working. Hissing down the well.

1443 Dropped different pump down well
Air hose fitting wrong size. Adjusting
fittings w/ assistance (~~assis~~ CAH) of JSJ.

1507 Start purging w/ new pump. Restabilizing
because several pumps have been dropped
+ removed several times ⇒ mixing.

1600 Collected sample CPC-00-GW-RW01-00~~2~~1 CAH 7/24/03
Metals, VOC's, SVOCs
Cathy Huss 7/24/03

66 Location Claremont Date 7-24-03

Project / Client

1635 At GWTF to do COC's + package soils
1730 Unable to scan headspace of sediment samples because site PID not working
1915 All coolers packed + on way to FedEx
1930 Briefed by Mitch Brown on management issues related to tomorrow
2030 End of day. Leaving site

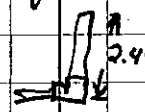
Cathy Hess 7/24/03

Location Claremont Date 7-24-03 7-25-03 7-26-03 67

Project / Client SW Pit Sampling

CAH; forecast low 80's, sunny, lite breezes

0615 Arrive on site; sign in
0620 At unknown well to uncover additional foot of pvc
0645 At 2.4' bTOC, there is an elbow that heads horizontally west



Need backhoe to further uncover as hole needs to be larger to continue. Showed RTB the PVC cap
0657 At GWTF. BWE not onsite. Clearing up sample equipment from packed
0739 Setting up to collect sediment sample from Storm Water Pits #2 + 3 as per RCC for visual observation only
0749 Dredge stuck on something ~ 2' from bottom - perhaps piping. Going to GWTF to get long stick to turn it
0809 Freed dredge. Collected sample of Storm Pit #3 sediment. Similar to SP #1. No sign of gold. Organic, flocculant lodging, leaves, low solid content
0819 Collected sample of Storm Pit #2 sediment Similar to Storm Pit #1 + 3. Well

68 Location Claremont Date 7/25/03

Project / Client Storm Pit Sampling

leave both samples at GWTF for future reference

0926 Heading to GWTF to unload equipment & clean bladder pumps from yesterday

0945 Call to RCC w/ update

1015 BWE environ will switch to Debris Pit's log book

Cathy Huss 7/25/03

Location CLAREMONT Date 7-28-03 69

Project / Client WELL SAMPLING

HOT, ~80°F, PTLY CLOUDY

0955	ARRIVE ON-SITE, LOADING EQUIPMENT, CALIBRATE HORIBA U-22, DECONTAMINATE PUMP SETTING (#15249)
1130	SETTING UP ON LF-02 AFTER GETTING KEYS FROM ENVIRONMENTAL OFFICE - BOB BURNS CALIBRATED PID, & 0.0ppm IN BZ ABOVE WELL HEAD
1159	LF-02 DTW 56.18' BTOC
1217	BEGIN PURGE OF LF-02
1235	COLLECT SAMPLE FROM LF-02, PARAMETERS STABILIZED
1257	PACKED UP EQUIPMENT, HEADING BACK TO TREATMENT BUILDING - DECONING PUMP AND EQUIPMENT, LOADING UP WITH BOTTLES AND NEW PUMP SETTING
1401	SETTING UP ON WT-01 - SCREENED WELL HEAD W/ PID 0.0ppm IN BZ
1408	WT-01 DTW 101.12' BTOC
1424	BEGIN PURGE
1600	COLLECT SAMPLE FROM WT-01, PARAMETERS STABILIZED - BACK TO TREATMENT BUILDING, DECON EQUIPMENT

Todd R. Cox 7-28-03

Location CLAREMONT Date 7-29-03

Project / Client WELL SAMPLING

TDE ~70°F, PTLY CLOUDY

0700 H&S BRIEFING, LOADING EQUIPMENT, CALIBRATE HORIBA U-22

0742 CALIBRATE PID

0750 SETTING UP ON MW-8C

0806 START PURGE OF MW-8C

- HAVING PROBLEMS GETTING H_2O TO SURFACE, ADJUSTING THE CYCLE RATES AND PRESSURE

0828 PURGING @ ~120 ml/min

0910 COLLECT SAMPLE FROM MW-8C

0939 BACK @ TREATMENT BUILDING, DROPPING OFF SAMPLES, GETTING MORE BOTTLES, DECON PUMP/EQUIPMENT

1015 HEAD OUT TO WELL CLUSTER BP-3 TO MEET UP W/ COUNTY EMPLOYEES

1029 MEET W/ COUNTY

BEGIN PUMPING BP-3C @ 10:20 @ 4.2 gpm

COUNTY YSI 30 (SALINITY, CONDUCTIVITY, TEMP)

1032 227.9 µS 12.2°C

- RAN COUNTY EMPLOYEE BACK TO FIRE TRAINING FACILITY TO PICK UP BOTTLES WHILE CONTINUE PUMPING W/ TRUCK TANK

1234 COLLECT SAMPLE FROM BP-3C, PARAMETERS STABLE

Mark B. Cox

Location CLAREMONT Date 7-29-03

Project / Client Well SAMPLING

TDE, ~70°F, PTLY CLOUDY

1210 START BP-3B @ 3.3 gpm

1240 INCREASE TO 4.35 gpm

3 VOL. 328 gallons

DTW 67.39' BELOW PVC PORT

- PRE PUMPING

1404 COLLECT SAMPLE

- PACKING UP EQUIPMENT AND HEAD BACK TO TREATMENT PLANT

- LOADING BACKUP AND DECON EQUIPMENT

1500 UNLOADING EQUIPMENT FOR THE DAY

- FINISH DECONING EQUIPMENT

1600 LEAVE SITE

7-29-03

Mark B. Cox

72 Location CLAREMONT Date 7-30-03

Project / Client WELL SAMPLING

TDE, ~75°F, MTLY CLOUDY

0760 ON-SITE, LOADING EQUIPMENT CALIBRATE U-22
DISCUSS SAMPLING SCHEDULE W/ DICK CHANCE
AND BOB BURNS
0745 CALIBRATING PID
0756 PID CALIBRATED
0805 EW-6A DTW 66.08' BPVC
0811 EW-6C DTW 66.81' BPVC
0821 BEGIN PURGE OF EW-6C
1025 COLLECT SAMPLE FROM EW-6C
1050 EQUIPMENT PICKED UP, BOB BURNS CAME MW
KEYS TO OPEN BP-3A
1103 BACK FROM OPENING WELL, DECON AND
GET SET UP TO START BP-3A
1155 SETTING UP ON BP-3A
1206 BEGIN PURGE
1238 COLLECT SAMPLE FROM BP-3A
1300 BACK @ TREATMENT BUILDING, DECON EQUIPMENT
AND GET NEW EQUIPMENT / BOTTLES
1400 SETTING UP ON MW-10C
1408 MW-10C DTW ~~99.82~~ 99.96' BTOC
99.13' BPVC
1515 COLLECT SAMPLE FROM MW-10C
- DECON PUMP AND SET UP ON MW-10D

Jodi W. Cyr 7/30/03

Location CLAREMONT Date 7-30-03 73

Project / Client WELL SAMPLING

SEE P. 72

1535 MW-10D DTW 100.19' BPVC
100.98' BTOC
1600 BEGIN PURGE 10D
1718 BEGIN COLLECTING SAMPLE MW-~~10C~~
- TWO VOM HOSES TO ESTABLISH PUMPING
@ ~300 ml/min
- PICKED UP EQUIPMENT
1800 HEAD BACK TO TREATMENT PLANT TO
UNLOAD SAMPLES AND EQUIPMENT
1815 LEFT SITE

Jodi W. Cyr 7-30-03

Location CLAREMONT Date 7-31-03

Project / Client WELL SAMPLING

TDE, ~70°F, PTLY CLOUDY

0700 ON-SITE, LOADING EQUIPMENT, CALIBRATE
V-22 AND PID
0750 SETTING UP ON MW-10B
0810 MW-10B DTW 100.82 BTOC
99.96, BPVC
0819 BEGIN PURGE
0903 COLLECT SAMPLE FROM MW-10B
- PICK UP EQUIPMENT, DECON EQUIPMENT
0947 MW-6D DTW 99.12' BPVC
99.59' BTOC
- SETTING UP ON WELL
1005 BEGIN PURGE
1148 COLLECT SAMPLE, DUPLICATE, MS/MSD
- PACKING UP EQUIPMENT, MOVED BACK TO
TREATMENT BUILDING, RELINQUISH SAMPLES,
UNLOAD EQUIPMENT
1313 TF RODNEY MYERS, DISCUSS SAMPLING OF
CONCRETE AT DEBRIS REMOVAL
1403 TALKED W/ RODNEY ABOUT SAMPLING SPECIFICS, HE
INDICATED THAT I SHOULD COLLECT SAMPLES FROM
SEVERAL CHUNKS OF CONCRETE MAKING A COMPOSITE
1433 COLLECTED COMPOSITE SAMPLE OF CONCRETE IN
AND AROUND SECTOR 1,1 CENTER POINT AND
SOUTHERN TEST PIT
Todd B. [illegible] 7/31/03

Location CLAREMONT Date 8/11/03

Project / Client SITE VISIT - DEBRIS Removal

REC, PTLY Cloudy, 85°

0700 On-Site
Disc strategy w/ Jim
Post signage - OSHA
TF M. Posillico - No mtg - voice mail
PREP Memo - Rescinds memo ; payment
estimate for volumes
VARIOUS TT TF M. Soliman
Send memo
9:00 - Site walk
SE + SW Dome - Along STE side of HAZ
Large pile ≈ 7500 yd³
water ponding @ base on asphalt
Building Rear - Rev. approval MB/BWE
Look @ Haz AREA
TF Gina Spinelli - T Data / Info Comm
TF Steve Creighton - Prof
TF Mark Kinder - Prof
TF Rodney Myers -
Lab results on analysis -
Concrete container / non-haz
Material in pit - non-haz
Note BWE to complete road testing
12:00 - Brad [illegible] ; Vanessa Bishop
Kristin McGovern
Richard C Clarine 8/11/03

Location CLAREMONT Date 8/11/03

Project / Client Debris Removal

RCC - Pty Cldy / 85°

1:30 - Maria Jon Arrive

Safety briefing by RCC

200 - Site Walk

HTA2 Area; Debris beneath bank; Asbestos

Asphalt base; Obs. Screen;

gen: Fairly detailed disc of project scope,

Disc debris options / schedule

Disc disposal options vs / schedule

MS: If you need until 9/19 you need to tell me immed.

MS, RCC + B.V to disc next AM

4:30 MS off - site

Michael Basillio arrive - MP / RCC discuss

gen: reviewed issues

developed agreement to sit down w/ USACE

5:15 MP meet BV et al - sch mtg 9:30 wed

MP off site

6:00 Everyone off - site

[signature] 8/11/03

Location CLAREMONT Date 8/12/03

Project / Client CLAREMONT DEBRIS REMOVAL

RCC, Lt Rain, 77°F

6:45 Arrive on site

Safety inspection Plant + Debris Area

7:00 Safety Mtg w/ crew by Mitch Braine

MLB/RCC Walk Site

Asphalt pile - MLB came from debris Cold Patch

Disc saw w/ Keith

Hauling concrete

Roads Completed

8:00 Disc daily sheets w/ Jim

8:30 Log on - Emails

9:00 USACE Arrive

9:1 Prep for Mtg

9:30 - Michael Basillio Arrives

- Mtg. w/ B. Vann; RCC; MLB + MB

11:00 - Walk Site

Disc w/ Keith

Agree - \$2/yd ≥ 1000 yd^3

: Additional laborer

12:00 - MP leaves

12 Debrief on H+S Audit w/ Vanessa Baxter; B.V; KM, et al

1130 USACE leave

Site walk

Evaluate TP's of Gd Area -

Location: Claremont Date: 8/12/03

Project / Client: Debris Removal

RCC

2:00 TP eval - clean

Disc. of Ifac P. III -

More HAZ off Hills

3:00 Try email - (mess device)

Mark Kinsley - David Cowes ; Philly Corp

Prop

Mark Sussman - Respond to letter

Pack up;

6:00 Leave Site

[signature]

Location: Claremont Date: 8/14/03

Project / Client: Debris Removal - Background Soil Sampling

Rodney G. Myers, SAIC (RGM)

Locations of proposed bkgd sampling reviewed via fax from RCC 8/13/03 - planned 2-4' depths.

0640 Arrive at site - Review asbestos info w/ Mitch

- discuss need for sampling ACM-suspect pipe

- prepare labels, materials for sampling using clean plysheets, dermal gloves & bucket for decon of 2" bucket auger

0920 - Mob to flag locations per map

BS-1 along N edge of property, in line with eastern edge of old plant

BS-2 at NE corner of debris area at survey hub location

BS-3 along E side of debris area at survey hub location (ref. plant)

BS-4 along E side of site, in wooded sloped area, NE of GWTP

BS-5 along grassed, sloped area SE of GWTP, [~2' SE of SE corner of GWTP]

BS-6 along grassed sloped area S of GWTP, moved up the slope ~ 6' and W of where underground utilities feed from EWs

BS-7 just outside gate to GWTP along S bank

BS-8 18' S of SW-1 well, 10' W of East Rd

10:20 Return to plant, meet Constantine (USACE) & describe sampling plan

 Location: Claremont Date: 8/14/03
Project/Client: Debris Removal – Background Sampling Soil

12:15 Mob. equip. to BS-5
12:38 collect yel. brown sand w/ rounded cobble
Refusal at 2.5'. clean auger
1252 collect yel. brown sand w/ rounded gravel
at 3.5' at BS-6; backfill hole
clean auger move to BS-7
1309 collect sample at BS-7 at 3.5' refusal
soil as above; backfill hole; decon
auger; mob to BS-[illegible]
1325 collected soil [illegible]
yellow [illegible] mottled silt [illegible]
[illegible]
1418 - collect [illegible] BS-4 @ 3.0' refusal
yell-brown [illegible] with rounded [illegible]
1445 - collect soil [illegible] BS-3 at 3' refusal
Brown & yel. brown sand w/ rounded gravel
1510 collect soil at BS-2 at 3'
red brn & gray sand
- moved BS-2 along Bank
- hub is next to IW pull box
1700 - collect soil at 3.5' at BS-1
red. br. sand, few rounded gravel
1705 - collect duplicate at BS-1 & MS/MSD
- decon equip. & back to GWTP
[signature]

Location: Claremont Date: 8/28/03
Project/Client: Haz. Debris Removal
Rodney C. Myers, SAIC (RCGM)

0620 Arrive at site (2) Horowitz trucks onsite
0700 (3rd) Horowitz end dump arrives
0720 - Orientation w/ BWE & Horowitz
BWE - Operator John Nelson
(2) Laborers - Angelo Rios
[illegible] (not onsite yet) w/ [illegible]
0800 - Excavate [illegible] [illegible]
laborers [illegible] fire hose along E side
of [illegible] for dust [illegible]
Rodney staked outside exclusion zone
to mark corners of waste area.
placed (2) stakes 18' E of
both eastern corners of waste.
0920 PID measure [illegible] 0.0 ppm
- excavate wearing respirator (dust)
0930 Sherwin Brian arrives.
0931 - Loading first semi-dump #178 trailer
0945 - 46,000 lb loaded; laborer covers tarp
1000 - 1st load taped & Retain Copy #349 of Manifest
- send Land Ban Form y
1020 2nd load off site 00002
Noted Haz Crew had no PPE
- barrow

 Location Claremont Date 8/28/03

Project / Client

1055 - 3rd load fill MN 00003
- weighed on line ~ 20,000 lb ...
- move to lower area to dump part of load
1140 - MN 00003 off site
- ... 86,000 ...
1:00 ... ...
1230 - lunch
3:30 - workers off site
- completed 1/2 - 3/4 of waste area
- mostly all sorted
- dug to base on S side ~ 10' deep
- all pipe sorted out ...
~4:00 - cleaned pipe w/ fire hose
- transferred to salvage load

[signature]
8/28/03

Location Claremont Date 8/29/03

Project / Client AleZ. Debris Removal

0630 onsite - inspect WW pits w/ Jim
check 1st pit - empty ~ 6" on bottom
move pump to 3rd pit
0700 workers onsite - safety mtg
count soil loads from 8/28
- (8) 20 CY dumps Soil
- (2) " " " Concrete (Debris)

Load count for 8/29 (w/ 20 CY dump)

Soil	Clean Soil (pit)	Concrete/Debris
𝍸 1 1/2	11	1111

930 TF ALSI - Re: Soil Sample delivery
- lab open till 8:00 pm
- will digest on Tues, & analyze Wed. - best TAT

10:30 Cont. WW excav. to ~ 14' to native
- took 3 photos
- will remove ~ 2' and stockpile separately
1110 - complete 2' Removal - photo
- collect soil at 17' - CS-1 0.0 PID
CPC-00-CS-0001-17' yellow sand

 Location: Claremont Date: 8/29/03

Project / Client:

1115 – loading concrete,
RGM mob to sample stockpile
1115 Collect soil from pit – rolly clean stockpile
CPC-00-DB-STOCK
1130 – Completed removal of all haz soil & debris
photographed stockpiles
soil covered
1145 – cleaning truck bed w/ [illegible] hose at clean area
– uses hoe to remove 6" material at clean area onto bucket
– moved to debris pile w/ hoe
– cleaned truck w/ hose &
moved hoe to debris pile
1210 – Complete all decon on debris pile
– bucket shovels
1230 – TF RCC – EPA wants TCLP metals also run on soil samples.
– Plan to put marker at bottom of excav at site
– 1300 – off site
[signature]

Location: Claremont Date: 9/2/03

Project / Client: Debris Removal / Pit Closure

07:00 Arrive @ site – Heavy RAIN
SSHP Briefing by Bob Burns
BWE Present
0730 Walk site w/ Keith
Need to move soil stockpile – [illegible]
Add [illegible] to topsoil pile? – OK
Deep excavation in NE corner – [illegible] N side
[illegible] ongoing [illegible] NW corner
08:30 TF RGM
Disc. [illegible] schedule – [illegible]
Kathy Morin – CWM – 716-754-8211
Evaluate pits w/ Bob + Charlie
Disc w/ RGM
Soil = CW7897; Container 001DT (Dump Trailer)
Debris = CW7898; Container 001CM (metal cans)
Review completion
TORN OFF MANIFESTS ARE EXAMPLES – LAST
MANIFEST DOC. No. – USER DISCRETION
SEQUENTIAL → Next are 00004
TRANSPORTER – 5, 6, C+D – DRIVER COMPLETES
Total Quantity – (13) EST 46000 (14) P (pounds)
(15) SR – Specific for each day –
RGM to provide
Certificate of disposal required
(Fill in orig.)

 Location Claremont Date 9/2/03

Project / Client Debris Removal / Pit Closure

(16) On Behalf of USEPA, USACE Steven Bom

(17) Transporter Completes

Truckdriver Pulls Copies 3,4 + 8 Esite

Trucking Receipt - Complete per example

Complete Tracking Form

11:00 Working on pits

Can't get trash pump to work

Tried to prime - no luck.

Tried various things - No luck

12:00 RAH Arrived - Began well survey

12:30 - Lunch

☎ RGM - Faxed metals data to EPA Edison

☎ Maria Jon - explain problem

MJ - I will call for data

Q to REM - Put the plastic in the truck? Yes

1:30 ☎ / ☎ Brad Vann

Disc Pit Closure - Cement in base

Disc w/ Steven - No concrete to top - 6"-1' in base

Send Jim to get 20 bags cement

2:30 - Log On - Emails

3:30 - Filling Pit No. 4 w/ cement

13 bags cement - get a sample

5:00 Done w/ pits

6:00 Clean up

6:30 - leave

[signature]

Location Claremont Date 9/3/03

Project / Client Debris Removal

Rain until 8:00 - Cloudy ± 70°

07:20 - On Site

[illegible] Keith - On Time

13 Trucks [illegible] @ arrival

Chk [illegible]

[illegible]

Resolve issue - [illegible] Trucks

07:30 loads 1st Truck 0005

07:55 1st load out

Trucker Asked if Loader loaded [illegible]

Tickets No 2 - Pierce TRKG

AD 27945 Lic TRK No 1

Truck No 3 - 8:20 On Site PEARCE

8:28 (8:30 struck through) off-site TRKG

Truck No 4 - 8:33 on-site

Hornatk TRKG, N. Hampton PA.

VOC Monitor - 5-10 ppm @ pile; 0 in breathing air

☎ RGM - Got tracking form?

RCC - Now get Will chk w/ Hornath

Talk to driver Drvr said he doesn't need

9:00 one - he won't have log enough

Truck No 5 - Charlie Stecker from F Burg

No 6 - 9:23 On-Site 00009

9:31 off-site

Location Claremont Date 9/3/03

Project / Client RCC

Rainy / 70°F

N-1 PA XW 637964

000010 off-site 09:46

000011 - On site 09:50

off-site 10:05

10:10 TRK No 000012 On-site

RAH Completed Geophysics

Using hammer on pits - overheated

PA XW 167734

10:20 No 12 off-site

Hornish - 6 Tons

Pelle - 3 "

US Bulk - 5 "

Page - 1 "

TRK No 000013 off-site 10:47

10:50 No 000014 On-site

11:05 No 000014 off-site

11:10 15 on site

11:25 15 off-site

11:30 16 On-site

12:05 16 off site

12:15 Tom Simmons et al visit

12:30 PP Rem - Pile dirty; hill is clean

Location Claremont Date 9/3/03

Project / Client RCC Debris Removal

Rainy / 70°F

12:30 1:30 lunch

1:30 Truck 000017 On-site

Load to untarp; plastic etc

2:00 - No 17 off site

2:30 Dean (owner) bucket & excavator on debris pile

Move tires to next to debris on plastic

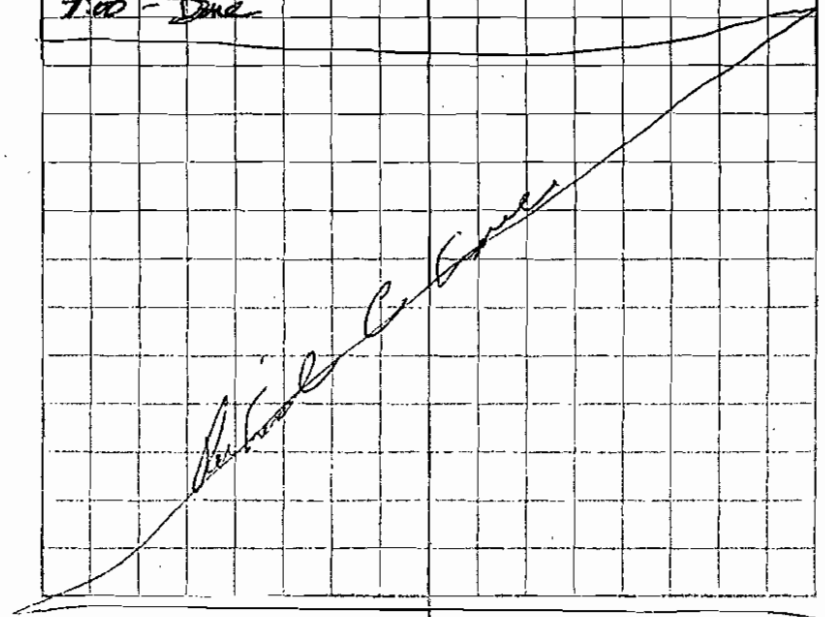
Clear off-site

3:30 HAZ CREW Done

Site walk

Remove caution flagging around haz area

7:00 - Done



Location Claremont Date 9/4/03

Project / Client Debris Removal

Cloudy ± 70°

1st load Manifest Doc No 18 -
6:30 - On-Site - 1 double + 6 single cars
Talk to truck drivers
Complete manifests
Disc loading w/ SDT + drivers
load 1 lg tire in center
1 layer on floor
load concrete
1st Truck - L.V. Co Inc 00018
On Site 7:15
H+S Mtg -
Begin to load
Put 1 lg tire in center - 1 layer small on floor -
Can load to 35,000
Weight of tires was unmeasurable w/ truck scale - loaded 1 lg + 15 sm tires
07:50 FID Reading Breathing zone 0.0
@ pile ± 10 ppm
07:55 - TRK 1 off site
TRK 2 On Site - Price Trucking
Double Roll-offs on Flat Bed
2 Manifests 00019 + 00020
Scale wt w/ tires only - 2000 lb

Location Claremont Date 9/4/03

Project / Client Debris Removal

Cloudy ± 70°

Total weight - 55,000 on both cars
loaded ≅ 25,000 front + 25,000 rear
8:20 Trk No 2 off-site
No tires on top
8:30 Trk No 3 On-Site Manifest No 00021
SDS Break
TF RGM - Can go 10% by wt Tires
Large ones may be prob load
Trk No 3 - Only EST 15,000 P
9:00 Begin to load
9:15 No 3 off-Site
Put a few small tires on top of load
9:20 No 4 On-Site - Manifest No. 00022
L.V. Co, Northampton, PA
9:30 No 6 On-Site - 00023 Est 18,000
Gauge wasn't working - Had to remove some concrete
10:00 - off-Site
10:10 - No 7 00024 On-Site
10:20 - No 7 off-Site
No 8 On-Site - 00024
10:30 - Done loading
Decon buckets into roll off box
11:00 Evaluate pits with John (loader operator)

Location CLAREMONT Date 9/4/03

Project / Client Debris Removal

Rain & 70°

Fill holes w/ soil

1st thought soil from back - later determined had to come from surveyed pile

Walked excavator around - break up around pit top & fill w/ soil

12:00 ☎ RGM

TCLP was HAZ for Pile; ND for soil

1:00 - Working on Pits

Close round pit - fill w/ soil from large stockpile

Begin demo of pits concrete

2:30 - Look @ processing

Trench along W side ≈ 5' deep, 15' wide

3:30 - Email / voicemail

6:00 - Keith + Crew off site

Mark Solomon

6:30 ☎ Mike Possilico -

7:30 Off leave site

[signature]

Location Claremont Date 9/5/03

Project / Client Site Visit / Debris Removal

Sunny 75°F

7:00 On-site

Copy manifests & paperwork

Call RGM

7:30 - H+S Mtg w/ Bob Burns

Sloan Brian on site

8:00 - Tour site w/ Sloan

Look @ pits

9:00 - Sloan off-site

Hammer developed a leak - down

Waiting for mechanic

☎ Mark Solimon -

Processing area is 1 person short

MS - We will be done next FRI

RCC - Need request for change order

M.S. Will have by noon

10:15 - Finish up & leave site

[signature]

CLOSURE OF STORM PITS

Field Log Notes

SIGNITURE PAGE...

PRINT	SIGNITURE	INITIALS
CHARLES L. KLINGER		CLK

09/02/03 CLAREMONT POLYCHEMICAL

0715 ARRIVE ON SITE, MEET WITH BOB BURNS, DICK GRONCE, MITCH BROWN.
WEATHER: RAINING, ~61°F, LT. BREEZE.
0830 READ AND SIGNED HASP AND REVIEW FIELD INSTRUMENTS. DAILY TAILGATE WAS CONDUCTED BY BOB BURNS.
0900 INSPECTED PITS TO EVALUATE PUMP STRATAGIES
0930 BEGIN PUMPING WATER FROM PIT #4.
1045 FURNISHED PUMPING FOREMAN. WILL SET UP AND START AIR BLOWER
1110 HAVE EMERGENCY EQUIPMENT AND INGRESS/EGRESS SET UP FOR CONFINED SPACE WORK.
1130 ENTER PIT #4 TO SHOVEL OUT DEBRIS
1245 PUMPS NOT REMOVING ENOUGH WATER AND MUCK IS TOO LIQUID TO SHOVEL OUT EFFICIENTLY. TRASH PUMP WILL NOT LIFT AGAINST THE HEAD. WILL BREAK FOR LUNCH.
1330 RETURN TO PIT #4 WILL FLY LEAVOLINE PUMP INTO PIT AND PUMP UP
1520 MUCKED OUT AS MUCH ~~ORGANICS~~ ORGANICS (CLK) ORGANIC DEBRIS AND SEDIMENT AS POSSIBLE, EXIT PIT #4.

(CLK)

09/02/03 CLAREMONT POLYCHEMICAL

1620 WILL ADD CEMENT AND CONCRETE MIX TO REMAINING SLURRY IN BOTTOM OF PIT # 4.

1810 FINISHED MIXING CEMENT AND SLURRY.

1830 CLEANED UP EQUIPMENT AND LOADED DRUMS. DEBRIEF DICK GRACE AND BOB BURNS. (CLC) OFF SITE.

09/02/03

09/03/03 CLAREMONT POLYCHEMICAL

0630 (CLC) ON SITE. MEET WITH CREW. WEATHER: DRIZZLING, COOL, CALM.

0645 CHECK WITH TRUCK DRIVERS ON ACCESS TO ENTRANCE ROAD AND TURN TO MAINTAIN FOR LOADING. TRAILER PARKED AT END OF ROAD MUST BE MOVED. ADVISE DICK GRACE (RGG) AND BOB BURNS (BSB).

0700 LOAD EQUIPMENT AND DROP OFF AT PITS.

0800 MOVED PUMP AND GENERATOR. NOW PUMPING FROM PIT #2. HAD SUMP PUMP EMPTYING WATER FROM PIT #3 ALL NIGHT INTO TREATMENT PLANT. WATER FROM P.I.T. 2 NOW GOING TO GWTS.

0915 BRAUNT TRACKHOE TO PITS TO PULL SIDES IN TO BEGIN GRADE.

1000 WILL BRING RAMHOE IN TO BREAK UP CONCRETE. TRACKHOE HAS LIMITED EFFECT. OPERATOR MADE DECISION TO SWITCH UNITS, CHOICE MADE INDEPENDANT OF SAIC.

1040 RAMHOE OVERHEATED. (CLC) WILL GO FOR CHAINS AT OTHER SIDE OF BLDG AND USE

09/03/03 CLAREMONT POLYCHEMICAL CHAINS TO REMOVE STAINS AND PIPES FROM "DRY VAULT BETWEEN PITS # 2 AND # 3.

1110 OPERATOR AND TRACKHOE NEEDED BACK ON NOR. DEBRIS CREW. CLD WILL MOVE PUMP TO INSIDE MIXING TANK INSIDE DRY VAULT AS PER DISCUSSION WITH BOB BURNS.

1200 MIXING TANK EMPTY (AS POSSIBLE W/ PUMP) AND WILL MOVE SUMP PUMP BACK INTO PIT # 2.

1215 BREAK FOR LUNCH.

1245 OPERATOR REMOVED SCALLWAG & RAMHOE. WILL MIX CEMENT INSIDE "MIXING TANK" INSIDE DRY VAULT.

1430 ADDED 4 BAGS OF CEMENT TO MIXING TANK. SIDES HAD THICK BUILDUP OF RESIDUE. CLD SCRAPED OFF SIDES AND INTO CONCRETE MIX.

1500 WASHED OFF EQUIPMENT, LOADED ON TRUCK.

1520 CLD OFF SITE FOR HARRISBURG.

09/03/03

APPENDIX F

Engineering Oversight Daily Activity Reports

Daily Activity Report

Claremont Polychemical Debris Removal
Contact DACW41-02-D-0005-0002

Date: 07/15/03	**Weather/Site Conditions:** Sunny, 85°F
On-site Personnel: SAIC – Mitch Brown (field manager), Bob Burns (site superintendent), Jim Jackson (plant operator) BWE – Walasson D. (laborer), Keith Corrigan (operator), Mike Bongiorno (operator)	**Visitors:** SAIC – Cathy Huss (scientist) BWE – Mark Soliman (project engineer), Paul Posillico (vice president), Joe III Posilico (vice president)

Summary of Days Activities:
Excavation of access road, stockpiling of existing access road stone and subbase, torching (cleaning) of rebar from concrete debris, stockpiling of tires, segregation of concrete debris from debris pile.

Materials Removed From Site:
None.

Problems Encountered:
1. Caterpillar DC4 leaking hydraulic fluid. Repair was made on-site. Tarp was used to minimize leaking onto ground during repairs.

Significant Communications/Conversations:
Numerous discussions with Keith Corrigan and Mark Soliman regarding alternate access road configuration.

Compliance/Deviations from the Specifications:
Experienced difficulty grading/excavating access roadway for shoulder width and geo-membrane keying as specified due to lack of lateral space between roadway and existing (relocated) perimeter fence and between roadway and existing chemical building. Decided to widen stone portion of access drive from 12' to 14', excavate 12" to 18" at edge of 14' roadway to "key" in geo-membrane, and use existing 2' (approximate) soil shoulder on either side of access road as finished roadway shoulder.

Health and Safety Issues:
None.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contact DACW41-02-D-0005-0002

Date: 07/16/03	**Weather/Site Conditions:** Sunny, 85°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, Jim Jackson BWE – Walasson D., Keith Corrigan, Mike Bongiorno, Luis Canales (laborer), Don C. (debris hauler), Tony M. (equipment hauler) Mid Island Salvage (steel hauler)	**Visitors:** BWE – Mark Soliman, Michael Posillico

Summary of Days Activities:
Off-site debris hauling, screening of debris, stockpiling of debris.

Materials Removed From Site:
Cleared vegetation (trees), steel.

Problems Encountered:
1. BWE dislodged concrete pad in front of access door to old chemical building when mobilizing 350L. No damage was done to building itself. Brown informed Burns, who in turn indicated that the pad was unnecessary anyway. Concrete pad was relocated to concrete debris pile.
2. Debris was hauled off-site prior to final disposal site submittal approvals. Sufficient submittals were faxed to SAIC the following day.

Significant Communications/Conversations:
1. As a courtesy, MJB discussed various aspects of project with and answered questions for Bethpage Park Stables.
2. Requested all disposal site submittals from Mark Soliman.
3. Discussed general stockpiling and debris segregation with Keith Corrigan.

Compliance/Deviations from the Specifications:
1. Mark Soliman requested deviation from use of AASHTO #57 aggregate for access road. Pending SAIC/USACE approval.

Health and Safety Issues:
None.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contact DACW41-02-D-0005-0002

Date: 07/17/03	**Weather/Site Conditions:** Sunny, 85°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, Jim Jackson BWE – Walasson D., Keith Corrigan, Mike Bongiorno, Luis Canales (laborer), Don C. (debris hauler) Mid Island Salvage	**Visitors:** BWE – Joe III Posillico USACE – Shewen Bian

Summary of Days Activities:
Off-site debris hauling, screening of debris, stockpiling of debris.

Materials Removed From Site:
Cleared vegetation (trees), steel.

Problems Encountered:
1. Debris was going to be hauled off-site by BWE prior to final disposal site submittal approvals. Trucks were held by MJB until sufficient submittals were faxed to SAIC.
2. Had to get approval from Town of Oyster Bay to weigh debris truck at Town scale.

Significant Communications/Conversations:
1. Requested all disposal site submittals from Mark Soliman.
2. Discussed weighing procedures for Town of Oyster Bay (TOB) with TOB scale personnel.
3. Discussed general progress with Shewen Bian.
4. Discussed asphalt disposal definitions and access road aggregate concerns with Dick Cronce.

Compliance/Deviations from the Specifications:
1. Dick Cronce approved BWE's deviation from use of AASHTO #57 aggregate for access road to use of a screened aggregate similar in properties to AASHTO #57 using BWE's R-1 blend.

Health and Safety Issues:
1. One or two visitors were reminded to wear hardhats.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contact DACW41-02-D-0005-0002

Date: 07/21/03	**Weather/Site Conditions:** Overcast / Rain AM; Sunny PM; 85°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, Jim Jackson, Dick Cronce BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Derrick Penn	**Visitors:** BWE – Joe Posillico, Mark Soliman, David Loughnis, Roger Beal, Marc Bretz (sample delivery), Michael Posillico, Jimmie Sledge (geo-membrane delivery) Screenmakers – Seamus Doyle (screen rep.) Sea Coast – John Mensch (fuel delivery)

Summary of Days Activities:
Screening / segregation / stockpiling of debris, staking-off of existing utilities along east end of site, staking-off of 1,1 test pit exclusion zone, submittal review, off-site debris removal.

Materials Removed From Site:
Steel.

Problems Encountered:
None.

Significant Communications/Conversations:
1. Discussed general screening process / progress with Michael and Joe Posillico.
2. Discussed outstanding submittals and geo-membrane specification with Mark Soliman.
3. Discussed final keying / excavation of access roadway with Keith Corrigan. Decided to key geo-membrane 12" below grade at 6' on both sides of access road centerline.
4. Discussed screening size, on-site decision-making process, and volume estimates with Dick Cronce. We decided that volume estimates will probably have to be made on more of a weekly basis or after quantities of debris are measured / weighed rather than on a daily basis.
5. Scheduled survey for Tuesday or Wednesday (07/22-23/03).

Compliance/Deviations from the Specifications:
1. BWE requested use of alternate geo-membrane material (Miraffi 700X); Cronce and Delp approved.
2. Alternate access road aggregate (screened R-1) was approved by Cronce and Delp; sample approved by Brown assuming no asphalt shows up in delivered material.

Health and Safety Issues:
None.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contact DACW41-02-D-0005-0002

Date: 07/22/03	**Weather/Site Conditions:** Sunny AM; Thunderstorms PM; 90°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, Jim Jackson BWE – Keith Corrigan, Mike Bongiorno, Derrick Penn, Bob Tiedeman (operator), Walasson DeMeireles, Luis Canales, John Martarello (driver)	**Visitors:** AKA – Daniel Kadyszewski, Kenneth Flynn Weston – John Brennan, Steve Cannon, James Snyder, Paul Potvian Earth Tech – Tom Williams USACE – Shewen Bian Screenmakers - Seamus Doyle

Summary of Days Activities:

1. Completed construction of major portion of access road.
2. Removed silt fence along front portion of access road.
3. Screening / segregation / stockpiling of debris.
4. Off-site debris removal.

Materials Removed From Site:

1. steel (approximately 30 CY)
2. "dirty" concrete (approximately 35 tons)

Problems Encountered:

1. Turned first load of access road aggregate back because it was R-2 material, not approved screened R-1 material.
2. On-site discussions between Earth Tech and SAIC regarding unsecured chemical building accesses were directed to Dick Cronce.
3. Finlay mechanical screen down for repairs part of the day.
4. Lightning storm at 1540 shut down operations.
5. Lightning storm triggered 3 alarms at GWTP; called Bob Burns at home and conveyed message.

Significant Communications/Conversations:

1. Discussed area to be surveyed with Daniel Kadyszewski.
2. Discussed on-site construction requirements with Tom Williams.
3. Discussed access road construction with Keith Corrigan during construction.
4. Discussed issues concerning Earth Tech and unsecured access with Dick Cronce.
5. Discussed general project status and progress with Shewen Bian.
6. Requested debris pile side slopes to be reduced to no more than 1:1.

Compliance/Deviations from the Specifications:

1. BWE installed approved alternate access road geo-membrane material (Miraffi 700X).
2. BWE installed approved alternate access road aggregate (screened R-1).

Health and Safety Issues:

1. Stopped work due to lightning storm.
2. Requested debris pile side slopes to be reduced to no more than 1:1.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contact DACW41-02-D-0005-0002

Date: 07/23/03	**Weather/Site Conditions:** Overcast / Rain AM; Sunny PM; 85°F

On-site Personnel:	**Visitors:**
SAIC – Mitch Brown, Bob Burns, Jim Jackson BWE – Keith Corrigan, Mike Bongiorno, Derrick Penn, Walasson DeMeireles, Luis Canales, Anthony Rosamilia, Michael Cross, Joe Posillico, Anthony Cartelamo, Frank Sangiovanni Horan - Rudy Usenza	BWE – Jason Fox AKA – Daniel Kadyszewski, Kenneth Flynn Weston – John Brennan, Steve Cannon, James Snyder, Paul Potvian Screenmaster – Seamus Doyle Horan – Burly Horan (screen rep.) Sea Coast – V. Manuele

Summary of Days Activities:

1. Debris removal from site, including independent scale checks.
2. Screening / segregation / stockpiling of debris.
3. Second mechanical screen hauled on-site.
4. Finlay mechanical screen was semi-demobilized; to be hauled off-site tomorrow.
5. Survey of on-site fines and base grade in quadrant 1.

Materials Removed From Site:

1. clean concrete (approximately 715 tons)
2. "dirty" concrete (approximately 25 tons)

Problems Encountered:

1. Driver hauling concrete complained about BWE loading methods; problem was remedied by loading concrete at a slower pace.

Significant Communications/Conversations:

1. Requested from Keith Corrigan that debris pile face slopes be reduced to no more than 1:1.
2. Indicated to Keith Corrigan and Joe Posillico that screening through 2nd mechanical screen is not meeting spec. because it is allowing more than 10% of 6" minus material into the course (off-site) screenings and that steel sorting in said course screenings is unsafe due to close proximity of laborers to falling screenings. Joe agreed and decided to discontinue use of this screen. Screen to be demobilized tomorrow.
3. Requested from Keith Corrigan that BWE retain "ridges" along the southern edge of quadrants 3 and 4 for the time being.
4. Discussed the fact that BWE began digging into base-grade in quadrant 1 with Keith Corrigan; Keith acknowledged; I will monitor as quadrant 1 is finished out.
5. Keith indicated that tomorrow will only be a "clean-up" day; no hauling or excavation planned.

Compliance/Deviations from the Specifications:

1. Minor non-compliance with screening size; problem has been corrected.

Health and Safety Issues:

1. Minor safety issues due to Item 2 under Significant Communications above. Issue has been addressed per Item 2 under Significant Communications above

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 07/24/03	**Weather/Site Conditions:** Overcast AM; Partly Sunny PM; 83°F
On-site Personnel: SAIC – Mitch Brown, Bob, Burns, Jim Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Roger Beal	**Visitors:** SAIC – Cathy Huss BWE – Mark Soliman, John Underwood Earth Tech – 2 male personnel (names unknown) Extec – Damian Donaghy (screen representative)

Summary of Days Activities:

1. Assisted Cathy Huss to attempt to expose dormant well head west of old chemical building.
2. Debris removal from site.
3. Earth Tech removed chain link gate from access road area.
4. General site cleanup by BWE personnel.
5. Discussions about new mechanical screen for site.
6. Completed paperwork.
7. Walked site with Cathy Huss to turn field management over to her for tomorrow.

Materials Removed From Site:

1. steel (approximately 40 CY)

Problems Encountered:

1. Couldn't find dormant well west of old chemical building.
2. Began assessing the fact that BWE seems to be behind schedule.

Significant Communications/Conversations:

1. Discussed well head exposure with Cathy Huss.
2. General discussion with Earth Tech personnel regarding gate removal.
3. Requested BWE to pull all excavated debris faces down to achieve 1:1 slope maximum.
4. Spoke with Jim Jackson about fast-driving white pick-up truck. Am not sure who it was, but Earth Tech personnel were the only personnel that I observed driving a white truck this day.
5. Spoke with Jim Jackson about apparent hydraulic fluid leaks near GWTP site; then requested BWE personnel to eliminate any equipment fluid leaks.
6. Spoke with Joe Posillico about BWE municipal waste removal costs and removal of creosoted wood.
7. Discussed status with Shewen Bian via telephone.
8. Discussed status with Dick Cronce via telephone.
9. Requested scale inspection certifications, schedule, 1:1 slopes, and steel tickets from Mark Soliman.
10. Spoke with Keith Corrigan and Joe Posillico about BWE possibly not working tomorrow.

Compliance/Deviations from the Specifications:

1. Haven't received a project or weekly schedule from BWE yet.
2. Debris faces were greater than 1:1 slope.
3. Haven't received from BWE equipment inspection sheets to-date.
4. Haven't received from BWE all weight and dump receipts to-date.

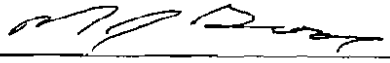
Health and Safety Issues:

1. Debris faces were greater than 1:1 slope. Requested BWE to reduce slopes.
2. Dust has not been a major factor to-date due to periodic precipitation. Will continue to monitor.
3. No unusual debris experienced. Will continue to monitor.

Outstanding Issues:

1. Disposal receipts from BWE.
2. Schedule from BWE.
3. Scale inspection paperwork from BWE.

Signature of Oversight Engineer:



Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 07/25/03	**Weather/Site Conditions:** Sunny AM; Sunny PM; 83°F±
On-site Personnel: SAIC – Bob Burns, Cathy Huss BWE – Keith Corrigan, Mike Bongiorno	**Visitors:** USACE – Shewen Bian

Summary of Days Activities:

1. Minor stockpiling of debris by BWE with large excavator, thus preparing for screening.
2. Verification of Hazardous Waste area staking by Cathy Huss.
3. Segregation of concrete from debris pile by BWE.
4. Loading of steel by BWE into roll-off.
5. PID of crushed steel tank.

Materials Removed From Site:

None

Problems Encountered:

None

Significant Communications/Conversations:

1. Huss discussion with Corrigan, Brown, and Cronce on proper asphalt disposal method, which was confirmed to be by method of construction and demolition debris.

Compliance/Deviations from the Specifications:

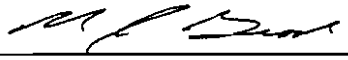
None

Health and Safety Issues:

None

Outstanding Issues:

1. Disposal receipts from BWE.
2. Schedule from BWE.
3. Scale inspection paperwork from BWE.

Signature of Oversight Engineer: 

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 07/28/03	**Weather/Site Conditions:** Sunny AM; Partly Sunny PM; 84°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, Jim Jackson, Todd Eaby, Chris Fontana BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales	**Visitors:** Weston – Charles Metzger, Steve Cannon Extec – Colm McDermott (screen representative) BWE – Joe Posillico USACE – Shewen Bian

Summary of Days Activities:
1. Debris waste hauled from site.
2. New screen (Robotrac) placed into use.
3. Debris screening and segregation by BWE.

Materials Removed From Site:
1. steel (1 load; 20 CY)
2. concrete (1 load; 40 TN)

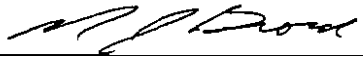
Problems Encountered:
None

Significant Communications/Conversations:
1. Discussed Robotrac safety procedures with BWE personnel.
2. Discussed screening requirements with BWE personnel; decided that screened material requires final screening through "Grizzly".
3. Discussed project progress and status with Shewen Bian.
4. Requested surveyed volumes from Ralph Anderson.
5. Discussed volume estimates with Dick Cronce.
6. Discussed schedule, Wednesday progress meeting, screen size requirements, and screening progress with Joe Posillico.

Compliance/Deviations from the Specifications:
None.

Health and Safety Issues:
1. Conducted mechanical screen safety brief with laborers and operators. Laborers are not to remove debris from beneath Robotrac.
2. Conducted site safety walk-over with Chris Fontana.
3. Conducted test of mechanical screen (Robotrac) emergency shut-off switch.
4. Recommended to Burns that a daily safety meeting be conducted on mechanical screen safety.
5. No unusual debris experienced.
6. No problems encountered relative to dust control.

Outstanding Issues:
None.

Signature of Oversight Engineer: 

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 07/29/03	**Weather/Site Conditions:** Partly Sunny AM; Sunny PM; 85°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, Jim Jackson, Richard Cronce, Todd Eaby BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonso Nocera	**Visitors:** Weston – Charles Metzger, Steve Cannon USACE – Shewen Bian Earth Tech – 2 male personnel (names unknown) BWE – Joe Posillico III

Summary of Days Activities:

1. Screening / segregation of debris.
2. Debris hauled off-site.
3. Material transport data input.
4. Began attempting to estimate processed debris volumes.
5. "Bailing" of on-site fines on top of stockpile.

Materials Removed From Site:

1. steel (1 load; 20 CY)

Problems Encountered:

1. White pick-up truck reported by Mickie (Bethpage Stables) to be traveling fast past Equestrian Academy.
2. Dust levels increasing in equipment / truck access ways; monitor tomorrow.
3. Observed significant amount of debris remaining in first debris pile quadrant. Schedule seems behind.
4. Water observed to be dripping from face of debris pile; decided that this was simply retained groundwater seeping from soil; no major problems anticipated.

Significant Communications/Conversations:

1. Requested base-grade survey from Ralph Anderson.
2. Keith Corrigan indicated Caterpiller 350 to be replaced with another excavator with "thumbs" for loading concrete.
3. Requested BWE personnel to remove key (lock-out) when cleaning Robotrac.
4. Called Cathy Huss to discuss best method of calculating "fines" volumes.
5. Discussed project progress / status with Shewen Bian.
6. Spoke with Mickie (Bethpage Stables) as a courtesy check; she reported one fast-moving white pick-up truck last week; seems to have been Earth Tech based on discussion with Jim Jackson on 07/24/03; no other reported problems.
7. Cronce: asked that E&S plan be red-lined; I recommended obtaining a written schedule from BWE; I recommended SAIC protocol to address debris processing related to asbestos; calculation of processed debris volumes; I recommended use of 2 screens after 2nd quadrant; discussed the fact that volumes and progress will be focus henceforth.
8. Keith Corrigan and I agreed that the Grizzly still gives the best screening results and is required.
9. Discussed probable finished grade drainage direction with Joe Posillico.

Compliance/Deviations from the Specifications:

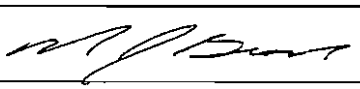
None.

Health and Safety Issues:

1. Requested BWE personnel to remove key (lock-out) when cleaning Robotrac.
2. Dust becoming more of an issue; will require BWE to upgrade dust control tomorrow.
3. No unusual debris observed.

Outstanding Issues:

None.

Signature of Oversight Engineer: 

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 07/30/03	**Weather/Site Conditions:** Partly Cloudy; 89°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, Jim Jackson, Richard Cronce, Todd Eaby BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonso Nocera AKA – Kenneth Flynn, Ralph Anderson	**Visitors:** BWE – Mike Posillico, Mark Soliman Powerscreen – Donald Mullally (screen rep.) USACE – Shewen Bian

Summary of Days Activities:

1. Debris screening / segregation.
2. Debris waste hauled off-site.
3. Progress meeting.
4. BWE began upgrading dust control measures.
5. Site walk-over with Dick Cronce.
6. Delineated eastern edge of site with yellow tape and stakes.

Materials Removed From Site:

1. steel (40 CY)
2. concrete (2 loads; 40 TN)

Problems Encountered:

1. Unearthed black, burnt debris within a cell in the 2nd quadrant; will visually monitor for volume amounts and possibility of hazardous components; appears to be creosoted, burnt lumber.
2. Dust requires a higher degree of wetting; insufficient pressure from GWTP; BWE to install a permanent tank and pump in corner of 2nd quadrant.

Significant Communications/Conversations:

1. Discussed "asphalt base grade" and screening size with Mike Posillico.
2. Conducted Progress Meeting with Mike Posillico, Mark Soliman, Dick Cronce, Bob Burns, Shewen Bian, Constantine Karathanasis, Brad Vann, and Rodney Myers.
3. Discussed survey requirements with Ralph Anderson.
4. Discussed with Mark Soliman the fact that dust control requires upgrading immediately.
5. Requested from Mark Soliman commitment for dedicated dust control, more emphasis placed on completion schedule and improved workforce commitments, and anticipated weekend work.

Compliance/Deviations from the Specifications:

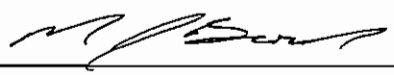
1. Dust continues to increase; dedicated dust control system required immediately.

Health and Safety Issues:

1. Dust has increased; dust control system needs to be upgraded by BWE immediately.
2. Burnt and creosoted materials excavated in 2nd quadrant; will visually monitor volume of and components within material. No other unusual debris observed.
3. All personnel wearing correct protective clothing. No follow-up necessary at this time.

Outstanding Issues:

1. Dedicated dust control system by BWE immediately.

Signature of Oversight Engineer: 

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 07/31/03	**Weather/Site Conditions:** Sunny AM; Cloudy PM; 90°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, Jim Jackson, Todd Eaby BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonso Nocera	**Visitors:** BWE – Joe Posillico III

Summary of Days Activities:

1. Debris screening / segregating.
2. Continuing to excavate some burnt debris.
3. Observed significant amount of concrete and debris within debris pile "fines".
4. Completed paperwork, reporting, and measurement data entry.
5. Assisted Todd Eaby in obtaining samples from the cadmium exclusion zone.

Materials Removed From Site:

None.

Problems Encountered:

1. Progress seems to have slowed due to burnt debris, wood, and steel content in debris pile.
2. Stockpile continues to grow larger than anticipated; BWE needs to manage site space better. Intend to request from BWE a more detailed stockpile layout plan.
3. Space beginning to be a problem; if BWE doesn't improve space constraints, intend to request from BWE that obstructions be consolidated by hauling all stockpiled debris and concrete off-site more frequently, by possibly spreading "fines" on-site to minimize stockpiling, and by demobilizing unused mechanical screen.

Significant Communications/Conversations:

1. Discussed survey requirements with Ralph Anderson; tentatively scheduled survey for Monday, 08/04/03.
2. Discussed with Keith Corrigan problems related to stockpile sizes and locations.
3. Discussed cadmium exclusion zone logistics with Todd Eaby.

Compliance/Deviations from the Specifications:

1. Despite good progress in quadrant 2, BWE appears to be falling behind on schedule based on observed site progress versus impending schedule completion date.

Health and Safety Issues:

1. Dust is not as prolific as previous days; will monitor.
2. Some burnt, creosoted debris encountered; not enough to stop work or investigate further. No other unusual debris encountered.
3. All personnel wearing protective clothing as required.

Outstanding Issues:

1. Dedicated dust control by BWE required immediately.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/01/03	**Weather/Site Conditions:** Overcast AM; Rain PM; 85°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonso Nocera	**Visitors:** BWE – Joe Posillico III, Paul ? Sea Coast – male fuel delivery person USACE – Shewen Bian

Summary of Days Activities:

1. Debris screening / segreagation.
2. Significant debris waste hauled from site.
3. New excavator with "thumb" hauled on-site (Komatsu / JDP 245).
4. Observed check weights at T.O.B. scales.
5. Assessed use of open area west of debris pile for debris removal and possible stockpiling.

Materials Removed From Site:

1. steel (1 load; 40 CY)
2. concrete (14 loads; 490 TN)

Problems Encountered:

1. Payloader tire pressure was very low.
2. T.O.B. personnel couldn't give me a weigh certification until they receive written request from SAIC.

Significant Communications/Conversations:

1. Requested of BWE that any future equipment be off-loaded within the staging area behind GWTP, not on pavement in front of GWTP.
2. Discussed with T.O.B. personnel (Pat Scanlon and Eric Swenson) the need for written request by SAIC to obtain weigh certification slips from T.O.B. Also need overweight permits from BWE.
3. Told BWE personnel of low payloader tire pressure.
4. Discussed project progress and status with Shewen Bian.

Compliance/Deviations from the Specifications:

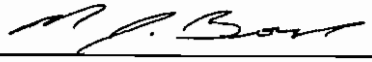
None.

Health and Safety Issues:

1. No dust due to rain.
2. No unusual debris discovered.
3. Protective equipment worn by all personnel acceptable.

Outstanding Issues:

1. Dedicated dust control system required of BWE.

Signature of Oversight Engineer: 

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/04/03	**Weather/Site Conditions:** Drizzle AM; Partly Cloudy PM; 90°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, Jim Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonso Nocera	**Visitors:** None

Summary of Days Activities:

1. Screening / segregating of debris.
2. Discussions on debris removal / stockpiling in open area west of 2nd quadrant.
3. Observations and discussions related to burnt / creosoted debris material in 2nd quadrant.
4. Observations of increased debris / plastic moving through Grizzly.
5. Discussions with BWE on tare weight protocol, wood debris disposal, check weights.
6. Minor skin irritations encountered on laborers.
7. Scheduled survey.

Materials Removed From Site:

None

Problems Encountered:

1. 3 laborers experienced minor skin irritations.

Significant Communications/Conversations:

1. Discussed with Dick Cronce progress, using area west of 2nd quadrant for stockpiling, possibility of monitoring of quantities and quality of creosoted material in 2nd quadrant.
2. Suggested to BWE that they use the open area west of 2nd quadrant for stockpiling.
3. Requested Keith Corrigan to reduce amount of debris going through Grizzly and to lessen amount of < 6" material in concrete stockpile.
4. Requested from Mark Soliman that all gross weights be based on tares at same weighing facility.
5. Requested disposal location of wood debris from Mark Soliman.
6. Spoke to Cronce about number of check weights required; Cronce suggested checking 10% of all loads.
7. Dick Cronce indicated that he will write a letter to T.O.B. requesting check weight certification slip.
8. Discussed minor skin irritations with BWE personnel.
9. Requested survey for Tuesday, 08/05/03, 7:00 AM.
10. Spoke to Cronce, Soliman, Corrigan, Bongiorno, and Joe Posillico about creosoted and burnt material quantities, stockpile area minimization, weight receipt forwarding, tare weight protocol.

Compliance/Deviations from the Specifications:

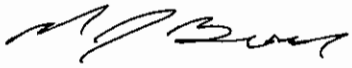
1. "Grizzlied" material was observed to contain increasing amounts of debris; discussed and resolved issue with Keith Corrigan.

Health and Safety Issues:

1. No dust concerns.
2. Safety clothing acceptable.
3. Increased amounts of creosoted and burnt material in one distinct cell in 2nd quadrant; cell almost completely excavated; appears to be several loads of dumped burnt construction debris.
4. 3 laborers reported minor skin irritations on arms and neck; could be from burnt / creosoted material; DeMeireles indicated he thought it was simply from creosoted material; indicated to laborers that they should let me know if it becomes worse, wash off with soap and water periodically, and wear high SPF sunscreen. Provided bucket, soap, water, Benadryl Anti-itch Cream, 30 SPF sunscreen to laborers.

Outstanding Issues:

None

Signature of Oversight Engineer: 

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/05/03	**Weather/Site Conditions:** Overcast AM; Overcast PM; 90 °F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, Jim Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonso Nocera AKA – Kenneth Flynn, Daniel Kadyszewski	**Visitors:** BWE – Joe Posillico III USACE – Constantine Karathanasis

Summary of Days Activities:

1. Volume computations.
2. Below-grade infiltration vault exposed in 2nd quadrant.
3. Off-site debris hauling.
4. Debris screening / segregation.
5. Scheduled Wednesday, 08/06/03 Progress Meeting for 3:00 PM.
6. Excavation occurring in high topsoil content area in 3rd quadrant.
7. Observed wood debris pile growing in size.

Materials Removed From Site:

1. concrete (7 loads; 242 TN)

Problems Encountered:

None.

Significant Communications/Conversations:

1. Discussed with Cronce quantity status, infiltration vault discovery and abandonment plans, and tomorrow's progress meeting agenda.
2. Discussed with Anderson final grading calculations / plan.
3. Discussed project progress and plans with Karathanasis.
4. Soliman indicated that pay request will be made at the end of the week.

Compliance/Deviations from the Specifications:

1. BWE continues to appear to fall behind on the schedule; will be discussed at tomorrow's progress mtg.
2. Space continues to be constrained by on-site debris piles; will request BWE to minimize on-site stockpiling tomorrow.

Health and Safety Issues:

1. Debris is fairly clean; no unusual debris encountered.
2. Safety equipment is being used properly.
3. Dust is almost non-existent.

Outstanding Issues:

1. Dedicated dust control system by BWE.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/06/03	**Weather/Site Conditions:** P. Sunny AM; Sunny/Breezy PM; 85°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, Jim Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonso Nocera	**Visitors:** BWE – Joe Posillico III, Mark Soliman, Mike Posillico, Craig Catron, Roger Beal Sea Coast fuel delivery

Summary of Days Activities:

1. Debris hauling off-site.
2. Maintenance of JDP 245 excavator's hydraulic system.
3. Screening / segregation of debris.
4. Placement of topsoil material along north face of old chemical building.
5. Cleaning of area adjacent to and beneath Grizzly.
6. "Bailing" of fines.
7. Progress meeting (Cronce, Brown, Vann, Burns, Joe III, Soliman, Jon)

Materials Removed From Site:

1. steel (1 load; 20 CY)
2. concrete (8 loads; 285 TN)

Problems Encountered:

1. Mechanical screen broke down temporarily.

Significant Communications/Conversations:

1. Requested Keith Corrigan talk to laborers to try to better segregate wood and < 6" material through Grizzly if it can safely be done.
2. Recommended that BWE employ 3rd operator for more efficient site operations.
3. Spoke to Cronce about topsoil stockpiling, elimination of infiltration vault, creosote material removal, and recycling of batteries.
4. Briefly discussed with Mike Posillico his request for payment for topsoil processing; Cronce will call Mike to discuss.
5. Discussed stockpiling, regarding, and schedule with Soliman.
6. Discussed access road, topsoil, and hazardous waste change orders with Cronce.
7. Discussed T-clip data, protective equipment, HASP, air monitoring, asbestos-training, HEPA filters, dust control, and total debris analyses with Soliman (he initiated this telephone call); recommended he call Cronce.
8. Discussed need for infiltration pit sampling with Cronce.
9. Discussed BWE contractual issues with Cronce.
10. Progress meeting discussions.
11. Discussed topsoil issues, "fines" issues, schedule issues, hazardous waste removal issues with Cronce.

Compliance/Deviations from the Specifications:

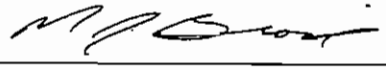
1. BWE behind on schedule.

Health and Safety Issues:

1. Dust was not a problem.
2. Safety equipment acceptable.
3. No unusual debris encountered.

Outstanding Issues:

1. Dust control by BWE.
2. Topsoil gradation acceptability by USACE.
3. "Fines" stockpiling protocol by BWE.

Signature of Oversight Engineer: 

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/07/03	**Weather/Site Conditions:** Overcast AM; Overcast PM; 88°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, Jim Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonso Nocera, Donnie Cumbo AKA – Kenneth Flynn, Daniel Kadyszewski	**Visitors:** BWE - Tony M. (pump delivery)

Summary of Days Activities:

1. Screening / segregating of debris.
2. Hauling of debris off-site.
3. Partial clean-up of concrete stockpile area.
4. Observations related to on-site space availability.
5. Concrete check weights and dumps.
6. Dust control pump delivery.
7. Discussions on yesterday's progress meeting and follow-up communications.
8. Injection well discharge control valve throttling for Bob Burns.
9. Survey of area west of 2nd quadrant.

Materials Removed From Site:

1. concrete (8 loads; 290 TN)

Problems Encountered:

1. Alarm in GWTP indicated high storage tank level; injection well discharge control valves needed throttling; called Burns; walked me through successful valve throttling procedure; alarms disengaged.

Significant Communications/Conversations:

1. Discussed next survey with Ralph Anderson.
2. Requested from Soliman a detailed phasing schedule.
3. Discussed with Cronce hazardous waste removal letter, the fact that space seems to be available on-site, his discussions with Mike Posillico, asbestos concerns, schedule concerns, invoicing, project deadline, topsoil requirements, and the possibility that not all debris will be able to be removed from site (as they relate to BWE obligations).

Compliance/Deviations from the Specifications:

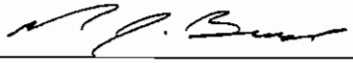
1. Stockpiles and equipment are not being managed efficiently so as to minimize necessary on-site obstructions and staging.
2. No reliable dust control on-site.

Health and Safety Issues:

1. Dust is minimal.
2. All personnel wearing correct protective equipment.
3. No unusual debris discovered.

Outstanding Issues:

1. BWE still hasn't delivered a reliable method of dust control.
2. Revised schedule from BWE.

Signature of Oversight Engineer: 

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/08/03	**Weather/Site Conditions:** Overcast / Rain AM; Rain PM; 90°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, Jim Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonso Nocera	**Visitors:** BWE – Joe Posillico III, Mark Soliman USACE – Constantine Karathanasis

Summary of Days Activities:
1. Screening / segregating of debris.
2. Hauling of debris off-site.
3. Partial clean-up of concrete stockpile area.
4. Observations related to on-site space availability.
5. Discussions on dust control requirements / provisions.
6. Assessment of base grade at "bench" in 3rd quadrant.

Materials Removed From Site:
1. concrete (7 loads; 240 TN)

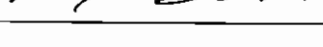
Problems Encountered:
None

Significant Communications/Conversations:
1. Discussed next survey with Ralph Anderson.
2. Discussed with Soliman housekeeping issues and dust control.
3. Discussed with Cronce base grade bench in 3rd quadrant.
4. Walked site with Karathanasis.
5. Discussed Progress Meeting items and status Joe III and Soliman late in day.

Compliance/Deviations from the Specifications:
1. Stockpiles and equipment are not being managed efficiently so as to minimize necessary on-site obstructions and staging.
2. No reliable dust control on-site.

Health and Safety Issues:
1. Dust was minimal.
2. All personnel wearing correct protective equipment.
3. No unusual debris discovered.

Outstanding Issues:
1. BWE still hasn't delivered a reliable method of dust control.
2. Revised schedule from BWE.

Signature of Oversight Engineer: 

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/11/03	**Weather/Site Conditions:** Partly Sunny 75°F AM; Sunny 89°F PM
On-site Personnel: SAIC – Mitch Brown, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonso Nocesa, Donnie Cumbo, Michael Mazurkiewicz AKA – Kenneth Flynn, Daniel Kadyszewski	**Visitors:** SAIC – Dick Cronce USEPA – Maria Jon USACE – Brad Vann, Krista McGowan, Vanessa Bishop, Constantine Karathanasis BWE – Roger Beal Screenmaster – Seamus Doyle

Summary of Days Activities:

1. Screening / segregating of debris.
2. Hauling of debris off-site.
3. Completion of access road.
4. USEPA / USACE safety audit.
5. General site clean-up.
6. Survey of base grades and asbestos area.
7. Discussions with USEPA / USACE on project schedule and deadlines.

Materials Removed From Site (see final waste records for weight/volume quantities):

1. wood (4 loads)
2. concrete (7 loads)

Problems Encountered:

1. BWE ran out of geo-membrane for roadway construction; some was delivered after call to Mark Soliman.

Significant Communications/Conversations:

1. Brown requested entire Winter Brothers permit from Mark Soliman.
2. Brown discussed last week's memo from SAIC to BWE with Mark Soliman.
3. Doyle requested to relocate Finlay screen to front of old chemical building.
4. Brown requested meeting with Soliman to discuss APF1.
5. Mark Soliman indicated that BWE intends to use original tare weights.
6. Walked site with Dick Cronce and discussed project status, base grades, and asbestos area location.
7. Discussed project schedule, budget, and deadlines with USEPA and USACE personnel. See daily log for more detail (1425 hours).

Compliance/Deviations from the Specifications:

- - -

Health and Safety Issues:

1. Dust was minimal.
2. All personnel were wearing correct protective equipment.
3. No unusual debris discovered.

Outstanding Issues:

1. BWE still hasn't delivered a reliable method of dust control.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/12/03	**Weather/Site Conditions:** AM Drizzle 75°F; PM Sunny 89°F
On-site Personnel: SAIC – Mitch Brown, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonso Nocesa, Donnie Cumbo, Michael Mazurkiewicz	**Visitors:** SAIC – Dick Cronce BWE – Mike Posillico, Audra Schmidt USACE - Constantine Karathanasis, Brad Vann, Krista McGowan, Vanessa Bishop Sea Coast Fuel

Summary of Days Activities:
1. Screening / segregating of debris.
2. Hauling of debris off-site.
3. Walked site with Dick Cronce.
4. USACE safety audit / debrief (see logbook and USACE report for details).

Materials Removed From Site:
1. concrete (13 loads)
2. steel (1 load)

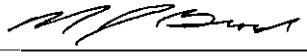
Problems Encountered:
1. Continuing to excavate burnt debris.

Significant Communications/Conversations:
1. Suggested to Dick Cronce that SAIC should ask BWE if they need any more volume projections.
2. Asked Mike Bongiorno to dig a test pit in the sand bench to the south of the cadmium zone.
3. Discussion on overtime, Saturdays, double-handling material, and more personnel between Mike Posillico and Brad Vann, Dick Cronce, and Mitch Brown (see 1000 through 1115 hours in daily logbook for more details).
4. Discussed obtaining "fluff" factor compaction testing.
5. Requested survey from AK.
6. Requested dust control from Mark Soliman for tomorrow.

Compliance/Deviations from the Specifications:
- - -

Health and Safety Issues:
1. Dust was minimal.
2. All personnel were wearing correct protective equipment.
3. More burnt (wood) debris was excavated.
4. Requested Walasson DeMeireles to pull key from screen when maintaining it.

Outstanding Issues:
1. Dust control.

Signature of Oversight Engineer: 

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/13/03	**Weather/Site Conditions:** AM Foggy/Humid 76°F; PM Sunny 89°F
On-site Personnel: SAIC – Mitch Brown, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonso Nocesa AKA – Kenneth Flynn, Daniel Kadyszewski	**Visitors:** SAIC – Rodney Myers BWE – Mark Soliman, Tony M., Chris Novelli Noresco – Kevin Orelli Sea Coast Fuel

Summary of Days Activities:
1. Processing of debris.
2. Survey by AK.

Materials Removed From Site:
None.

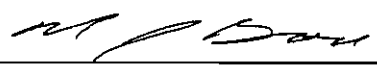
Problems Encountered:
1. Began excavating municipal-type debris.
2. Canales uncovered ACP. Decided to research proper ACP handling procedures tonight and discuss with BWE at tomorrow's safety meeting.

Significant Communications/Conversations:
1. Requested various survey tasks from AK.
2. Spoke to Cronce about compaction testing.
3. Discussed well head excavation with Orelli and Jackson.
4. Asked DeMeireles to contact me if/when they excavate debris of "questionable" material, including insulation. Also requested silt fence around new topsoil stockpile.
5. Walked site with Myers and discussed proper ACP removal procedures and the issue of contacting all potentially affected neighbors.
6. Attempted to call Universal Testing to discuss compaction testing.
7. Discussed compaction testing with Dan Delp.

Compliance/Deviations from the Specifications:
- - -

Health and Safety Issues:
1. Dust was minimal.
2. All personnel were wearing correct protective equipment.
3. Uncovered small amount of ACP.

Outstanding Issues:
1. Batteries need to be recycled.
2. Dust suppression.

Signature of Oversight Engineer: 

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/14/03	**Weather/Site Conditions:** PM Sunny 98°F
On-site Personnel: SAIC – Mitch Brown, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonso Nocesa, Donnie Cumbo	**Visitors:** SAIC – Rodney Myers BWE – Tom Spatifori, Mark Soliman Hubbard – Russ Baker, Jack McCarthy USACE - Constantine Karathanasis

Summary of Days Activities:

1. Established proper ACP-handling protocol with all on-site SAIC and BWE personnel.
2. Debris processing.
3. Waste hauling.
4. CAT 350 was demobilized.

Materials Removed From Site:

1. wood (1 load)
2. c & d (1 load)
3. concrete (7 loads)

Problems Encountered:

1. Amount of soil in concrete loads seems to be increasing (monitor).
2. Power went down (blackout) around 1600 hours.

Significant Communications/Conversations:

1. Discussed number of laborers, insulation lab testing, ACP-handling with Cronce.
2. Discussed (at length) proper ACP-handling with Tom Spatafori and Mark Soliman.
3. Discussed dust suppression water connection with Soliman and DeMeireles.
4. Constantine Karathanasis discussed project with Antzoulis Evagelos (NY EPA?).
5. Discussed closing of wells next week with Cronce.

Compliance/Deviations from the Specifications:

1. Amount of soil in concrete loads seems to be increasing (monitoring).

Health and Safety Issues:

1. Laborers picking debris from under screen (monitoring).
2. Need dust control.

Outstanding Issues:

1. Need Winter Brothers permit paperwork.
2. Need 3rd laborer.
3. Need to sample and test insulation.
4. Spray bee nest on concrete pad.
5. Compaction tests.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/15/03	**Weather/Site Conditions:** AM Sunny 80°F; PM Sunny 98°F
On-site Personnel: SAIC – Mitch Brown, James Jackson (partial) BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonso Nocesa, Donnie Cumbo, Michael Mazurkiewicz	**Visitors:** SAIC – Rodney Myers BWE – Mark Soliman

Summary of Days Activities:
1. Debris processing.
2. Waste hauling.

Materials Removed From Site (see final waste hauling records for detailed quantities):
1. concrete (6 loads)

Problems Encountered:
1. Scales at PBA were down due to blackout (110 Sand was open for business).
2. BWE truck 204 rear-end went out enroute to 110 Sand. Hauled with only 205 remainder of the day.
3. Needed to use public potable water for dust control due to power outage.
4. Significant amount of wood debris was excavated in cells.
5. Power was still out.

Significant Communications/Conversations:
1. Discussed GWTP valve positioning fire alarm silencing with Bob Burns via phone.
2. Discussed extra laborer and compaction testing status with Soliman, Cronce, and Universal Testing.
3. Discussed public water hose bib location and use with Jackson.

Compliance/Deviations from the Specifications:
- - -

Health and Safety Issues:
1. Dust control is necessary.

Outstanding Issues:
1. Need a 3rd laborer.
2. Compaction testing.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/16/03	**Weather/Site Conditions:** AM Partly Sunny 80°F
On-site Personnel: SAIC – Mitch Brown BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Craig Saunders, Keith Cohen	**Visitors:** None.

Summary of Days Activities:
1. Processing of debris.
2. Waste hauling.
3. Dust control.

Materials Removed From Site (see final waste hauling records for detailed quantities):
1. steel (1 load)

Problems Encountered:
1. More wood and burnt debris is being excavated.
2. Insufficient water pressure for dust control. Had to use public water supply.

Significant Communications/Conversations:
1. Discussed status with Cronce.
2. Discussed battery recycling with Mid Island.

Compliance/Deviations from the Specifications:
1. Insufficient dust control.

Health and Safety Issues:
1. All personnel were wearing correct protective equipment.
2. Dust control insufficient.
3. Monitoring creosoted material.

Outstanding Issues:
1. Improving the output of water for dust control (by pumping).
2. GWTP dumpster needs replaced.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/18/03	**Weather/Site Conditions:** PM Sunny 86°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonse Nocesa, Craig Saunders, Donnie Cumbo, Michael Mazurkiewicz	**Visitors:** BWE – Kevin McGuire Universal Testing – Dan Burke BWE – Mark Soliman

Summary of Days Activities (refer to site photographs for more details on site progress):
1. Processing of debris.
2. Waste hauling.
3. On-site compaction testing by Dan Burke of Universal Testing, generally oversight was by Bob Burns.

Materials Removed From Site (see final waste hauling records for detailed quantities):
1. wood (2 loads)
2. concrete (6 loads)

Problems Encountered:
1. Continuing to encounter debris heavily laden with municipal-type waste; result is a slowing of processing operations.
2. Extec mechanical screen had hydraulic failure; Kevin McGuire repaired.

Significant Communications/Conversations:
1. E-mailed Cronce with latest surveyed stockpile volumes and with the day's activities regarding compaction testing.
2. Discussed on-site compaction testing details (during testing) with Mark Soliman.
3. Spoke with Shewen Bian about project status.
4. Requested to review weight slips on a daily basis with Mark Soliman (to minimize discrepancies).

Compliance/Deviations from the Specifications:
- - -

Health and Safety Issues:
1. Bob Burns and Mitch Brown issued a "special" safety meeting with Dan Burke of Universal Testing.

Outstanding Issues:
1. Would like to get more waste hauling check weights.
2. Monitoring tare weight recording.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/19/03	**Weather/Site Conditions:** AM Sunny 86°F; PM Partly Sunny 89°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonse Nocesa, Craig Saunders, Donnie Cumbo, Michael Mazurkiewicz	**Visitors:** BWE – excavator repair person, Mark Soliman USACE – Shewen Bian

Summary of Days Activities (refer to site photographs for more details on site progress):
1. Debris processing (see daily logbook for detailed estimate of progress)
2. Waste material hauling.

Materials Removed From Site (see final waste hauling records for detailed quantities):
1. wood (1 load)
2. concrete (9 loads)

Problems Encountered:
1. Continuing to excavate a significant amount of debris.

Significant Communications/Conversations:
1. E-mailed Cronce and Soliman on surveyed volume amounts.
2. Discussed with Corrigan the fact that BWE is adding to topsoil stockpile as "acceptable" material is screened; also requested fire hose TODAY from Corrigan for dust suppression.
3. Discussed certified payroll and job status with Shewen Bian.
4. Discussed abandonment of leaching pits, confined space entry permits, and BWE/SAIC change order status with Cronce.
5. Discussed with Soliman his desire to stop stockpiling topsoil, taping of the northern site boundary, and the concept of the use of average tare weights.
6. Requested Mid Island to fax all steel weight and dump slips to me from now on.
7. Requested fire hose from Soliman IMMEDIATELY.
8. Discussed approximate percent complete with Bongiorno, who indicated he felt that BWE is 2/3 complete.
9. Attended status meeting including Cronce and Bian. Discussed tire disposal with hazardous waste loads, battery pickup, ACP testing, insulation testing, cost and procedural concerns relative to hazardous waste removal.
10. Requested Corrigan to begin thinking about clearing north of GWTP to ensure enough space for hazardous waste stockpiling/consolidation of tires.
11. Corrigan indicated that he feels he moved at least 1,000 CY of topsoil; Brown agreed; no more topsoil stockpiling required.

Compliance/Deviations from the Specifications:
1. 1:1 slopes not being achieved at the end of each day.

Health and Safety Issues:
1. Requested Bongiorno to pull face slopes down to 1:1 slope maximum.
2. Requested DeMeireles to cover ACP stockpile with plastic immediately.

Outstanding Issues:
1. Monitoring sand "bench" and considering proper use of test pits to establish final base grade.
2. Monitoring weights of trucks relative to whether BWE is obtaining tare weights with empty gas tank and without driver in truck.
3. Monitoring amount of soil in concrete/debris hauled off-site.
4. Access road will need dressed up at the end of the project.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/20/03	**Weather/Site Conditions:** AM Sunny 70°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonse Nocesa, Craig Saunders, Donnie Cumbo, Michael Mazurkiewicz	**Visitors:** None.

Summary of Days Activities (refer to site photographs for more details on site progress):

1. Debris processing.
2. Off-site waste hauling.
3. Consolidation of debris stockpile areas to create more staging area/space.
4. Obtained observed check weights.

Materials Removed From Site (see final waste hauling records for detailed quantities):

1. wood (4 loads)
2. concrete (6 loads)
3. steel (1 load)

Problems Encountered:

- - -

Significant Communications/Conversations:

1. E-mail from Cronce regarding presence of asbestos in ACP.
2. Requested of BWE that ALL laborers and operators be on-site 10 hours per day, no exceptions.
3. See H&S issues below regarding Alfonse and asthma.
4. Discussed processing of topsoil and access roadway / E&S payment with Soliman.
5. Requested weekly schedules from Soliman.
6. Soliman indicated that SAIC need not forward volume projections to BWE any more.

Compliance/Deviations from the Specifications:

1. Second day (at least) laborers have shown up on-site well after 0700.
2. No weekly schedules being submitted by BWE.
3. Quality of "fines" may be diminishing; watching that BWE isn't "cutting corners" to move ahead in schedule.

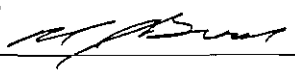
Health and Safety Issues:

1. Was told by Alfonse that he has asthma; was unaware of this until now. Due to previous creosote issues, immediately informed Soliman of Alfonse's asthma and requested that he provide all on-site personnel with masks and that they be required to use them as necessary. Asked DeMeireles to ensure that masks are always available on-site.
2. One laborer driving too fast when leaving site; concerns relative to horse farm.

Outstanding Issues:

1. Discuss hazardous waste removal planning status with Cronce.
2. Closely monitoring BWE weighing procedures at PBA.
3. Speak to Corrigan about BWE plans relative to phasing through project completion.
4. Monitoring project pace / fines quality closely.
5. Will need base grade survey completed prior to backfill in all areas.
6. Demolition of leaching pits.
7. Monitor site personnel speeds when entering / leaving site.

Signature of Oversight Engineer:



Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/21/03	**Weather/Site Conditions:** AM Sunny; PM Sunny
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonse Nocesa, Craig Saunders, Donnie Cumbo	**Visitors:** None.

Summary of Days Activities (refer to site photographs for more details on site progress):
1. Processing of debris.
2. Off-site waste hauling.
3. Disposal of large steel culvert located along north edge of site.

Materials Removed From Site (see final waste hauling records for detailed quantities):
1. wood (1 load)
2. c & d (1 load)
3. concrete (4 loads)

Problems Encountered:
1. Significant amount of debris slowing progress.
2. Large number of tires removed from along north edge of site.
3. Appreciable amount of concrete and plastic in northeast corner of site.

Significant Communications/Conversations:
1. Spoke with Winter Brothers (Ali) about their permit. He gave me name of NY DEC representative with whom I could speak if I had any further questions.
2. Requested Corrigan/Cumbo get check weight at TOB scale. Spoke to Corrigan after Cumbo "forgot" to get check weight.
3. Discussed status with Bian.
4. Discussed various procedural and status-related issues regarding upcoming hazardous waste removal with Cronce.

Compliance/Deviations from the Specifications:
1. BWE didn't submit entire Winter Brothers permit.
2. BWE didn't obtain check weight at TOB scale when Brown requested it.

Health and Safety Issues:
1. Protective gear, dust control, and debris components normal and acceptable.

Outstanding Issues:
1. Assess grading into north bank relative to trees, elevation, and slope.
2. Continuing to monitor check, tare, and PBA weight issues.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/22/03	**Weather/Site Conditions:** AM Sunny; PM 90°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonse Nocesa, Craig Saunders, Mike Mazurkiewicz	**Visitors:** Layne - Manuel Alves, Scott T.

Summary of Days Activities (refer to site photographs for more details on site progress):

1. Debris processing.
2. Off-site waste hauling.
3. Digging of test pit to confirm base grade.
4. "Flattening" of base grade to allow moving of mechanical screen onto base grade sand "bench".

Materials Removed From Site (see final waste hauling records for detailed quantities):

1. wood (1 load)
2. concrete (1 load)
3. steel (1 load)

Problems Encountered:

- - -

Significant Communications/Conversations:

1. Requested 150' more fire hose from Soliman for dust control.
2. Discussed hazardous debris staging protocol, including side slope acceptability, with Soliman.
3. Discussed details related to excavation adjacent to hazardous waste exclusion zone with Corrigan.
4. Discussed BWE change order proposal for hazardous debris removal, as well as hazardous debris removal protocol, with Cronce.
5. Participated in conference call between Cronce, Chem. Waste, and BWE discussing hazardous debris removal protocols (see 1430 logbook notations for more details).

Compliance/Deviations from the Specifications:

- - -

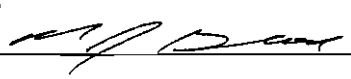
Health and Safety Issues:

1. Personnel attire, dust control, and debris constituency normal / acceptable.

Outstanding Issues:

1. Need to establish proper protocol for loading/documenting amount of tires in each hazardous waste load.
2. Need to finalize leaching pit demolition.
3. Need to document base grade confirmation test pits.
4. Should take photos of site perimeter to document debris processing limits along site perimeter.
5. Should begin final punchlist now so no outstanding items remain at project completion.
6. Discuss backfilling plan/procedures with BWE.

Signature of Oversight Engineer:



Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/23/03	**Weather/Site Conditions:** AM 70°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonse Nocesa, Craig Saunders	**Visitors:** None.

Summary of Days Activities (refer to site photographs for more details on site progress):
1. Debris processing.
2. Brown completed site walk-over to begin punchlist.
3. Brown completed project-related paperwork/reporting.

Materials Removed From Site (see final waste hauling records for detailed quantities):
None.

Problems Encountered:
- - -

Significant Communications/Conversations:
1. Corrigan indicated that he intends to "box out" north central edge of site.
2. Asked Corrigan to prevent concrete pad destruction underneath dumpsters.
3. Corrigan explained that, when excavating near cadmium zone face, an odorous liquid dribbled from face of pit. Since this area was immediately adjacent to the cadmium zone, I directed BWE to stop excavating in that area and to leave the adjacent debris such that it is excavated during removal of the debris in the cadmium exclusion zone.

Compliance/Deviations from the Specifications:
1. Side slopes on debris piles greater than 1:1 slope.

Health and Safety Issues:
1. Side slopes on debris piles greater than 1:1 slope. Requested BWE to decrease slopes at the end of the day several times. Monitoring daily.
2. See item 3 in above communications relative to unique debris excavation.
3. Personnel protective attire and dust control acceptable.

Outstanding Issues:
1. Discuss final project "game plan" with BWE.
2. Conduct "asbestos area" safety meeting prior to processing asbestos area.
3. Finalize compaction testing issue.
4. BWE has to install silt fence around topsoil stockpile.
5. BWE has to install safety fence around deep, excavated, sand-laden trenches.
6. BWE cracked concrete pad under dumpsters.
7. Due to proximity of north face of site to high voltage power line poles, restore (i.e., require BWE to backfill north face ASAP).

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/25/03	**Weather/Site Conditions:** AM 70°F; PM Sunny
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonse Nocesa, Craig Saunders, Donnie Cumbo, Mike Mazurkiewicz AKA – Kenneth Flynn, Daniel Kadyszewski	**Visitors:** None.

Summary of Days Activities (refer to site photographs for more details on site progress):

1. Debris processing.
2. Off-site waste hauling.
3. On-site preparation of hazardous debris hauling operations.
4. Exposure of more "base-grade" bench.
5. Photos of electric meter ID numbers exposed in debris pile.
6. Site walk-over to begin generating final punchlist.
7. Obtained detailed check weights at PBA for further assessment of PBA weighing procedures.
8. On-site survey.

Materials Removed From Site (see final waste hauling records for detailed quantities):

1. wood (1 load)
2. c & d (1 load)
3. concrete (7 loads)

Problems Encountered:

1. Chain-link fence at west edge of site fell down, apparently due to nearby BWE excavation.

Significant Communications/Conversations:

1. E-mail from Cronce confirming that a hazardous waste trucking representative would be on-site tomorrow to observe access conditions.
2. E-mail to Cronce communicating hazardous debris volume estimate and recommending "scraping" of side-slopes to minimize hazardous debris disposal volume.
3. Discussed final grading plan with Soliman.
4. Cronce indicated that it is OK to now backfill north face.
5. Asked Corrigan to have all BWE personnel remain outside asbestos zone until further notice.
6. Discussed compaction result status and BWE schedule with Cronce and Soliman.
7. Discussed specific safety issues with Rodney Myers.

Compliance/Deviations from the Specifications:

1. One BWE laborer not wearing steel-toed boots.

Health and Safety Issues:

1. Discussed safety fence and scraping of side slopes relative to cadmium zone with Rodney Myers.
2. Requested of BWE (spoke to DeMeireles) that all personnel wear proper steel-toed boots.

Outstanding Issues:

1. Backfill north face ASAP due to proximity to power line.
2. Remove large debris that has role out of large "fines" stockpile.
3. Have BWE pick debris from surface of any final backfill immediately after backfilling is complete.
4. Be careful of existing utilities along eastern edge of site.
5. Demolish 3 leaching pits.
6. Establish final asbestos-area processing procedures.
7. Might need more stone to dress the access road upon completion of backfilling.
8. Re-fence asbestos area.
9. Complete final grading plan.
10. Have BWE pick debris from around old chemical building.

11. Consider cutting trees along northern edge of site to allow unimpeded backfill procedures.
12. Relocate large rocks to front of GWTP.
13. Prepare for decontamination pad.
14. Obtain any other desired punchlist items from Burns.
15. Process steel framework located at west edge of old chemical building.
16. Review specification requirements.
17. Inform neighbors of possible existence of asbestos in debris pile.
18. Complete "eyeball" volume estimate.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/26/03	**Weather/Site Conditions:** PM Partly Cloudy 80°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonse Nocesa, Craig Saunders, Donnie Cumbo, Mike Mazurkiewicz	**Visitors:** BWE – Mike Posillico, Joe Posillico III Horwith – Bill Cassium

Summary of Days Activities (refer to site photographs for more details on site progress):

1. Debris processing.
2. Off-site waste hauling.
3. "Grizzly" screen was relocated to south west quadrant for concrete staging in that area.
4. Extec screen was relocated to north east quadrant for processing debris north of cadmium zone.
5. Worked to establish final cadmium zone processing protocols.

Materials Removed From Site (see final waste hauling records for detailed quantities):

1. wood (1 load)
2. concrete (7 loads)
3. steel (1 load)

Problems Encountered:

1. BWE exposed existing utility (probably water line) along eastern edge of site (see site photos). Intending to monitor bank stability and to backfill edge ASAP.
2. Extec screen conveyor was damaged by debris and will be repaired tomorrow. Little down time necessary.

Significant Communications/Conversations:

1. E-mailed final grading plan request for information to Soliman.
2. Discussed (at length) hazardous debris removal staging preferences with Bill Cassium of Horwith.
3. Discussed hazardous waste procedures with Cronce and Myers; they requested me to fax hazardous debris manifests to them in Harrisburg.
4. Discussed protocol relative to hazardous waste removal vs. backfilling requirements with Mike Posillico.
5. Discussed moving concrete operations to SW quadrant and "breaking" large concrete in staging area with Joe III.

Compliance/Deviations from the Specifications:

- - -

Health and Safety Issues:

1. Personnel protective attire, dust, and debris constituency acceptable.

Outstanding Issues:

1. Need to complete grading plan.
2. Leaching pit demolition.
3. Noticed that BWE was now hauling debris from NE corner to SW corner (this is after BWE voiced problems with "extra" time required to haul debris "across" site.
4. Re-tape cadmium area.
5. BWE needs to inform me when survey is required.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/27/03	**Weather/Site Conditions:** AM Partly Cloudy 77°F; PM Overcast 87°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonse Nocesa, Craig Saunders, John Nelson, Donnie Cumbo	**Visitors:** BWE – screen conveyor repairman, Mike Posillico

Summary of Days Activities (refer to site photographs for more details on site progress):

1. Debris processing.
2. Off-site waste hauling.
3. Breaking of large concrete chunks for off-site disposal (Nelson and Bongiorno).
4. Final preparations for hazardous waste excavation and off-site hauling.

Materials Removed From Site (see final waste hauling records for detailed quantities):

1. concrete (8 loads)

Problems Encountered:

1. Extec screen conveyor was repaired on-site.

Significant Communications/Conversations:

1. Discussed various hazardous debris removal protocols with Myers.
2. Discussed project status with Bian.
3. Called Universal Testing (UT) to obtain compaction test results. Pending BWE request to UT.
4. Spoke with AK about next week's survey schedule.
5. Discussed revised and final project schedule deadlines with Cronce and Myers. I suggested we obtain BWE's schedule in writing.
6. Requested proper weight/dump documentation from Soliman.
7. Discussed the following with Soliman/Cronce: decontamination of equipment, union labor, retaining of hazardous waste equipment / operator, phasing of hazardous debris stockpiling, leaching pit abandonment, demobilization deadline (Sept. 12), BWE lack of submitting schedules.
8. Discussed survey schedule with Soliman.
9. Requested compaction results from Soliman.
10. Joe III indicated that hazardous debris removal equipment will be on-site first thing tomorrow.
11. Adminitered site orientation to John Nelson.
12. Discussed Cronce's status report with Cronce.

Compliance/Deviations from the Specifications:

1. Various weight/dump slips from BWE contained incorrect dates, times, etc.
2. BWE still not submitting weekly schedules.

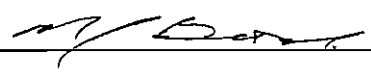
Health and Safety Issues:

1. Protective equipment, dust control, and debris properties acceptable / normal.

Outstanding Issues:

1. Revised project and weekly schedules from BWE.
2. Improvements on weight / dump ticket consistencies.
3. Leaching pit abandonment.
4. Specification on plastic for hazardous debris stockpiling.
5. Water down asbestos area Thursday.
6. Compaction test results.

Signature of Oversight Engineer:



Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/28/03	**Weather/Site Conditions:** AM Sunny; PM Sunny
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonse Nocesa, Craig Saunders, John Nelson, Robert LaCalandra, Angelo Alfieri, Mike Mazurkiewicz, Donnie Cumbo, Manuel Tabone Horwith - Booker Riddick, George V., Arnold Reph	**Visitors:** SAIC – Rodney Myers Earth Tech representatives Carbon Filtration Systems representatives Extec representative USACE – Shewen Bian BWE – Edward Dridge, Tom Spatafori

Summary of Days Activities (refer to site photographs for more details on site progress):

1. Processing of debris.
2. Off-site waste hauling.
3. Mobilization of contaminated debris removal equipment (see site photos).
4. Loading and off-site hauling of 3 contaminated debris test loads.
5. Relocation of cadmium-contaminated debris to stockpile immediately north of GWTP.
6. Segregation of concrete vs. soil during contaminated debris stockpiling.
7. Finlay screen was demobilized.

Materials Removed From Site (see final waste hauling records for detailed quantities):

1. concrete (9 loads)
2. contaminated debris (3 loads)

Problems Encountered:

1. Scale on contaminated debris-hauling truck stuck; read improper weight; scale was eventually corrected and load was hauled off-site.

Significant Communications/Conversations:

1. Requested Bian's presence for USACE execution of contaminated debris manifests.
2. Discussed percentage of concrete excavated from cadmium zone with Myers.
3. Discussed with Cronce: AK invoice vs. actual survey time, status of hazardous debris operations, and backfill staging/schedule.
4. Requested of Soliman that proper contaminated debris removal personnel equipment to be delivered to site IMMEDIATELY.

Compliance/Deviations from the Specifications:

- - -

Health and Safety Issues:

1. BWE is not administering dust control to an acceptable degree. More dedicated dust control with water is required.
2. Tree along old chemical building broke in half (safety hazard). Myers assessed integrity of remaining tree.
3. BWE did not outfit its contaminated debris removal personnel with proper safety equipment (e.g., no boots, no gloves, etc.).
4. Some odor emitted from contaminated debris excavation area; Myers was monitoring.

Outstanding Issues:

1. Contaminated debris relocation seems to be going slower than necessary; determine excavator operator's qualifications.
2. Determine qualifications of BWE's contaminated debris removal personnel.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/29/03	**Weather/Site Conditions:** AM Clear 84°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonse Nocesa, Craig Saunders, John Nelson, Robert LaCalandra, Angelo Alfieri, Mike Mazurkiewicz, Manuel Tabone, Jeff Bausch AKA - Ralph Anderson, Kenneth Flynn	**Visitors:** SAIC – Rodney Myers BWE – Joe Posillico III, Artie Meadows, Mike Posillico

Summary of Days Activities (refer to site photographs for more details on site progress):
1. Clean and contaminated debris processing.
2. Off-site waste hauling.

Materials Removed From Site (see final waste hauling records for detailed quantities):
1. wood (4 loads)
2. concrete (6 loads)

Problems Encountered:
1. Excavating significant amount of wood, plastic, and steel debris.

Significant Communications/Conversations:
1. Requested BWE to place plastic on top of stockpiled contaminated debris and in bottom of pit from which contaminated debris was removed (to help delineate bottom of pit when backfilling of same occurs).
2. Obtained authorization from Cronce to backfill pit formed from contaminated debris removal in order to be able to excavate "clean" debris surrounding cadmium area; this was important in order to begin backfilling operations ASAP.
3. Discussed whether hazardous crew training/qualifications was current with Cronce.
4. Discussed backfill start-up, final grading, and the fact that BWE made a mistake in not obtaining base grades with Mike Posillico.
5. Discussed planned contaminated debris removal from site at length with Rodney Myers.
6. Discussed final survey of site stockpiles with Bausch.

Compliance/Deviations from the Specifications:
- - -

Health and Safety Issues:
1. Primary crew safety attire and debris constituents normal/acceptable.
2. Dust control still insufficient. Have repeatedly spoken with Soliman about same.

Outstanding Issues:
1. Reducing degree of north face side slopes.
2. E-mail ASCII file to Jeff Bausch.
3. Need contaminated pit backfill volume to include with final "fines" volumes.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 08/30/03	**Weather/Site Conditions:** AM Sunny; PM Overcast
On-site Personnel: SAIC – Mitch Brown, Bob Burns BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonse Nocesa, Craig Saunders	**Visitors:** BWE – Mike Posillico
Summary of Days Activities (refer to site photographs for more details on site progress): 1. Processing of debris. 2. Paperwork catch-up by Brown.	
Materials Removed From Site (see final waste hauling records for detailed quantities): None.	
Problems Encountered: - - -	
Significant Communications/Conversations: 1. Discussed processing of debris with on-site crew.	
Compliance/Deviations from the Specifications: - - -	
Health and Safety Issues: 1. Personnel safety attire acceptable, dust control acceptable, no abnormal debris excavated.	
Outstanding Issues: (see previous reports)	
Signature of Oversight Engineer:	

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 09/02/03	**Weather/Site Conditions:** AM Drizzle 62°F; PM Drizzle (wet/muddy)
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonse Nocesa, John Ferris, Tim Brown, Angelo Alfieri, Robert LaCalandra, Mike Mazurkiewicz AKA – Kenneth Flynn, Daniel Kadyszewski	**Visitors:** SAIC – Dick Cronce, Charlie Klinger, Rick Hoover Waste Recycling Solutions - Mark Ferber

Summary of Days Activities (refer to site photographs for more details on site progress):

1. Processing of debris.
2. Off-site waste hauling.
3. Backfilling of trenches / site backfilling began (began from large bulge in large stockpile).
4. Began excavating asbestos area (excellent wet weather conditions).
5. Took photos of most on-site equipment.
6. Concrete encapsulation of debris in bottom of pumping pits along west edge of old chemical building.
7. AKA final survey of large stockpile.
8. CAT 980 left site temporarily to assist on another BWE project site.

Materials Removed From Site (see final waste hauling records for detailed quantities):

1. wood (1 load)
2. concrete (6 loads)

Problems Encountered:

1. CAT 980 tire low in air pressure; required repair.

Significant Communications/Conversations:

1. Requested that BWE operator push large stockpile face slope down due to near-vertical face.
2. Requested from Ralph Anderson a separate hardcopy drawing and calculation for each on-site survey and that AK finish the last calculation ASAP.

Compliance/Deviations from the Specifications:

1. One laborer not on-site today; recent agreement with BWE indicated the proper number of laborers.

Health and Safety Issues:

1. Near-vertical slope on large stockpile face.
2. Rain served as excellent dust control during asbestos-containing area excavation.

Outstanding Issues:

1. Closely monitor backfilling operations relative to where material is moved from and to.
2. Have BWE dig a few more test pits to confirm base-grade.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 09/03/03	**Weather/Site Conditions:** AM Drizzle; PM Rain
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonse Nocesa, Craig Saunders, Tim Brown, Angelo Alfieri, Robert LaCalandra, John Ferris, Mike Mazurkiewicz contaminated debris truck drivers – (see logbook and waste manifests for name)	**Visitors:** SAIC – Dick Cronce, Charlie Klinger, Rick Hoover

Summary of Days Activities (refer to site photographs for more details on site progress):
1. Debris processing.
2. Off-site clean and contaminated waste hauling.
3. Backfilling of site.

Materials Removed From Site (see final waste hauling records for detailed quantities):
1. concrete (6 loads)
2. contaminated debris (14 loads)

Problems Encountered:
1. Excavating significant amount of plastic in NW quadrant.

Significant Communications/Conversations:
1. Communicated with each of the contaminated debris truck driver to assist with staging of debris loading operations.
2. Called Town of Oyster Bay Highway Department to inform them of heavy truck traffic today and tomorrow along Winding Road.
3. Requested from Soliman revised schedule after he speaks with Mike Posillico.

Compliance/Deviations from the Specifications:
- - -

Health and Safety Issues:
1. Rain continuing to provide excellent dust control in asbestos removal area.
2. Personnel safety equipment acceptable.
3. No abnormal debris excavated.

Outstanding Issues:
1. BWE revised schedule.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 09/04/03	**Weather/Site Conditions:** AM Overcast 70°F; PM Overcast 76°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Luis Canales, Alfonse Nocesa, Craig Saunders, Tim Brown, Angelo Alfieri, Robert LaCalandra, John Ferris, Matthew Bosse, Mike Mazurkiewicz, Donnie Cumbo Chem. Waste drivers – (see logbook and waste manifests for names)	**Visitors:** SAIC – Dick Cronce Sea Coast fuel delivery BWE – Mike Posillico, Joe Posillico III

Summary of Days Activities (refer to site photographs for more details on site progress):
1. Processing of debris.
2. Loading and off-site waste hauling of clean debris and contaminated debris w/ tires.

Materials Removed From Site (see final waste hauling records for detailed quantities):
1. wood (1 load)
2. concrete (7 loads)
3. steel (1 load)
4. contaminated debris (8 loads)

Problems Encountered:
- - -

Significant Communications/Conversations:
1. Discussed backfilling and leaching pit abandonment with Mike and Joe III Posillico. Requested hammer.
2. Soliman indicated to me that 110 Sand will take ACP if placed in plastic in a load of wood. Followed-up with Myers.

Compliance/Deviations from the Specifications:
1. BWE extra laborer still not on-site (0900). Extra operator came on-site (1000).

Health and Safety Issues:
1. Personnel safety equipment acceptable.
2. Dust control excellent due to rain.
3. No abnormal debris exposed.

Outstanding Issues:
1. Clean site perimeter.
2. Photograph site perimeter.
3. Photograph backfill progress.
4. Find acceptable tire recycling facility if any more tires are found.
5. Schedule survey.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 09/05/03	**Weather/Site Conditions:** AM Scattered Clouds 68°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Luis Canales, Alfonse Nocesa, Craig Saunders, Tim Brown, Angelo Alfieri, Robert LaCalandra, John Ferris, Mike Mazurkiewicz, Donnie Cumbo, Malcolm Wenz	**Visitors:** SAIC – Dick Cronce Extec representative

Summary of Days Activities (refer to site photographs for more details on site progress):

1. Processing of debris.
2. Off-site waste hauling.
3. Backfilling of pump pits along west edge of old chemical building.
4. Relocation of large stones to front of GWTP.

Materials Removed From Site (see final waste hauling records for detailed quantities):

1. wood (2 loads)
2. c & d (1 load)
3. concrete (4 loads)

Problems Encountered:

1. Hammer went down for water pump repairs.

Significant Communications/Conversations:

1. Discussed backfilling of pump pits with operators and laborers.

Compliance/Deviations from the Specifications:

1. 4th laborer not on-site for part of the day. New operator came on-site (1000).

Health and Safety Issues:

1. Dust control OK.
2. Protective equipment on personnel OK.
3. No abnormal debris excavated.

Outstanding Issues:

(see previous reports)

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 09/06/03	**Weather/Site Conditions:** AM Clear 59°F; PM Clear 86°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns BWE – Keith Corrigan, Mike Bongiorno, Walasson DeMeireles, Luis Canales, Alfonse Nocesa, 4 JDP truck drivers	**Visitors:** Sea Coast fuel delivery BWE – Joe Posillico III

Summary of Days Activities (refer to site photographs for more details on site progress):

1. Processing of debris (all project-related debris processing completed at 1900!!!).
2. Off-site hauling of waste.
3. Dug final test pit to confirm base grade.
4. Cleaned around and relocated Extec screen.
5. Attempted to locate wells in NW quadrant; unsuccessful.

Materials Removed From Site (see final waste hauling records for detailed quantities):

1. concrete (4 loads)

Problems Encountered:

1. Extec screen down for 1 hour for repairs.

Significant Communications/Conversations:

1. Spoke with Joe III about 4-5 trucks scheduled to haul concrete later today.
2. Requested missing weight/dump slips from Soliman.
3. Stopped ATV driver and requested he no longer ride his ATV on-site.
4. Discussed backfilling protocol with Cronce.

Compliance/Deviations from the Specifications:

- - -

Health and Safety Issues:

1. Dust was minimal.
2. Protective attire on personnel was acceptable.
3. No abnormal debris was excavated.

Outstanding Issues:

1. Monitor property line when backfilling and grading.
2. (see 35 logbook entries starting at 1815 hours detailing my final punchlist items)

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 09/08/03	**Weather/Site Conditions:** AM Sunny 66°F; PM Partly Sunny 80°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Luis Canales, Alfonse Nocesa, Donnie Cumbo, Jeff Bausch	**Visitors:** BWE – tire maintenance person, Joe Posillico III, Tom Spatafori

Summary of Days Activities (refer to site photographs for more details on site progress):

1. General site cleanup.
2. Backfilling of site.
3. Off-site waste hauling.
4. BWE survey of stockpiles.
5. Took more photos of on-site equipment prior to their demobilization.
6. Cursorily compared surveyed base "tin" to pre-construction test pit data; found similar base grade elevations; base grade appears to have been established well by original test pits; no further base grade assessment is planned.

Materials Removed From Site (see final waste hauling records for detailed quantities):

1. wood (2 loads)

Note: 1 load of wood contained all ACP accumulated throughout the subject project, which totaled approximately 40 LF of 3" thru 12" ACP (see site photos).

2. c & d (2 loads)
3. concrete (8 loads)
4. steel (1 load)

Problems Encountered:

1. Flat tire on payloader.

Significant Communications/Conversations (see field management site logbook for more detail):

1. E-mailed Cronce and Myers relative to unidentified drum remnants recently excavated from site, auto battery recycling, tire disposal, municipal waste removal, and ACP disposal.
2. E-mailed Soliman relative to some, but not all, final punchlist items, final review of and agreement upon possible discrepancies in BWE dump and weight slips prior to final payment, final site restoration, access road dress-up, housekeeping issues, eventual silt fence removal, and weekly schedule.
3. E-mailed Cronce, Myers, and Burns requesting information on tire disposal, any final punchlist requests, and whether or not we intend to demolish the leaching pits.
4. Confirmed with AKA that they intend to survey small stockpile tomorrow.
5. Spoke to Cronce about miscellaneous closeout items.
6. Discussed with Soliman closeout schedule, seeding submittal, survey "tin" forwarding, punchlist items, and final survey issues.
7. After discussion with Soliman on proper disposal of ACP, requested that BWE load ACP onto wood dumpster enclosed in plastic wrap (per Soliman's previous discussions with 110 Sand) and haul off-site to 110 Sand.
8. Discussed minor closeout items with Spatafori.
9. Obtained authorization from Cronce to relocate barrels containing sediment to front of old chemical building.
10. Requested of Bethpage Stables/Seacrest that trailers be moved to allow on-site mobilization of CAT D8 dozer.
11. Discussed with Maria Jon her (and her superior's) visit to site planned for Wednesday. Passed information on to Cronce.
12. Requested ASCII file, base grade topography, and final volumes from AKA. Confirmed final AKA survey to occur tomorrow.

13. Discussed final grading plan with Soliman. Requested dedicated dust control from Soliman first thing tomorrow. Corrigan ;ater indicated that a laborer will be on-site for dust control.

Compliance/Deviations from the Specifications:

- - -

Health and Safety Issues:

1. Dust control by BWE is necessary.
2. All personnel safety equipment acceptable.

Outstanding Issues:

1. Review of and agreement upon discrepancies in BWE dump and weights slips prior to final payment.
2. Completion by BWE of final punchlist items per previous and today's correspondence.
3. Grading of berm along west edge of site to inhibit future dumping.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 09/09/03	**Weather/Site Conditions:** AM P/Cloudy 60°F; PM P/Sunny 70°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Craig Saunders, William Harrington, Donnie Cumbo AKA - Kenneth Flynn, Daniel Kadyszewski	**Visitors:** BWE – Joe Posillico III, Mike Posillico Keesler – D8 hauler truck driver

Summary of Days Activities (refer to site photographs for more details on site progress):

1. Mass backfilling of "fines".
2. Took many photos of backfilling process and of the site perimeter.
3. Hauled stainless steel and auto batteries off-site to recycling center.
4. Forwarded base grade "tin" to BWE.
5. Demobilization of "zero swing" excavator, grizzly screen, and Komatsu excavator.
6. AKA survey of stockpiles.

Materials Removed From Site (see final waste hauling records for detailed quantities):

1. stainless steel (from pump pits) (1 pickup load)
2. auto batteries (approximately 15 batteries)

Problems Encountered:

1. Trailers at Bethpage Stables weren't moved as I requested yesterday; had difficulty "squeezing" CAT D8 dozer past trailers; was able to get past (barely).

Significant Communications/Conversations (see field management site logbook for more detail):

1. Continually discussed backfilling details with Corrigan and Bongiorno throughout the day.
2. Spoke to AKA about final survey items.
3. Spoke to Cronce about establishing of final waste quantities.
4. Spoke to Corrigan about final grading details.
5. Spoke to Cronce about final grading details.
6. Spoke to AKA about final volume computation discrepancies.
7. Spoke to Cronce about quantities to-date, the fact that we are to not abandon leaching pits, and about AKA survey computation discrepancies.
8. Spoke to Mike Posillico about base grade tin. Intend to forward tin to BWE surveyor (Bausch).
9. Obtained authorization from Cronce to forward base grade tin to Bausch.
10. Spoke to Soliman about review of weight / dump slip discrepancies.

Compliance/Deviations from the Specifications:

- - -

Health and Safety Issues:

1. Site personnel safety attire acceptable.
2. Dust control acceptable.

Outstanding Issues:

1. Awaiting final volume quantity and rectification of volume computation discrepancies from AKA.
2. Review of weight and dump slip discrepancies.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 09/10/03	**Weather/Site Conditions:** AM Sunny 51°F; PM Sunny 71°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Craig Saunders, William Harrington, Donnie Cumbo, Jeff Bausch	**Visitors:** SAIC – Dick Cronce EPA – John Malleck, Kevin Willis, Rob Alvey, Maria Jon USACE – Shewen Bian BWE – Joe Posillico III, Mike Posillico

Summary of Days Activities (refer to site photographs for more details on site progress):

1. Backfilling of "fines".
2. BWE survey.
3. Off-site waste hauling.
4. Took many photos of backfilling operations.
5. Inspected site with Cronce, Bian, and EPA representatives.
6. Took photos of pump pit backfilling completion.
7. Amended punchlist with items discussed during walk-through with Cronce, Bian, and Jon.

Materials Removed From Site (see final waste hauling records for detailed quantities):

1. wood (2 loads)
2. steel (1 load)

Problems Encountered:

1. Acknowledged difficulty with creating constantly-decreasing slope through proposed swale across site; monitoring.

Significant Communications/Conversations (see field management site logbook for more detail):

1. E-mailed Soliman indicating that Bausch and AKA have been in touch regarding final survey volumes.
2. Discussed grading to avoid "low point" with Corrigan.
3. Spoke to Swenson (TOB) and Casings, Inc. about tire recycling. Established approximate cost through Casings.
4. Spoke to Joe Posillico III and Mike Posillico about final grading and stockpile volume computations.
5. Communicated approximate cost of tire disposal to Myers; received authorization to recycle @ Casings.

Compliance/Deviations from the Specifications:

- - -

Health and Safety Issues:

1. Dust control nominal.
2. Personnel safety equipment acceptable.

Outstanding Issues:

1. Discrepancies in BWE weight / dump slips.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 09/11/03	**Weather/Site Conditions:** PM Sunny 75°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Craig Saunders, Jeff Bausch	**Visitors:** None.

Summary of Days Activities (refer to site photographs for more details on site progress):

1. BWE on-site miscellaneous survey.
2. Backfilling of "fines".
3. Rough-grading of site.
4. Cutting of trees along north edge of site to be able to grade against northern bank south of power line.

Materials Removed From Site (see final waste hauling records for detailed quantities):

None.

Problems Encountered:

- - -

Significant Communications/Conversations (see field management site logbook for more detail):

1. Spoke with Casings and tentatively scheduled tire pickup on Monday or Tuesday.
2. Received verbal "fines" volume totals from AKA. Verbally forwarded totals to Cronce.
3. Received "Substantial Completion" memo from Cronce.

Compliance/Deviations from the Specifications:

- - -

Health and Safety Issues:

1. Dust control and personnel safety attire was acceptable.

Outstanding Issues:

1. Resolution of weight/dump ticket discrepancies.
2. Whether or not enough drop exists across site to properly drain site (can't really direct water any other direction).

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 09/12/03	**Weather/Site Conditions:** AM Partly Cloudy 56°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – Keith Corrigan, Mike Bongiorno, Craig Saunders, William Sipala (finish grading operator)	**Visitors:** USACE – Shewen Bian

Summary of Days Activities (refer to site photographs for more details on site progress):
1. Site rough and finish grading.
2. Conducted site walk-through to update final punchlist.

Materials Removed From Site (see final waste hauling records for detailed quantities):
1. concrete (1 load)

Problems Encountered:
- - -

Significant Communications/Conversations (see field management site logbook for more detail):
1. Due to extent of backfill and site grading area, requested clarification from Cronce on limits of grading; communicated to Corrigan the fact that SAIC will only pay BWE for 7,000 SY of grading. Discussed final grading intentions with Sipala.
2. Requested from Saunders final site perimeter housekeeping and proper debris disposal in dumpsters.
3. Reviewed on-site punchlist with Corrigan. Also requested from Corrigan at least one laborer for tomorrow to pick debris from final grade surface.
4. Conducted site walk-through with Bian.
5. Due to some discrepancy in AKA's 3 volume computational methods, requested AKA send me a signed letter documenting AKA's computational methods and details associated with AKA final "fines" volume computation. Also tentatively requested final as-built drawing from AKA.

Compliance/Deviations from the Specifications:
- - -

Health and Safety Issues:
1. Dust control and personnel safety attire acceptable.

Outstanding Issues:
1. BWE weight/dump ticket discrepancies.
2. Site drainage confirmation (no low spots).
3. EPA fencing of site and possible aggregate parking area north of GWTP.
4. Letter from AKA documenting specific details related to their "fines" volume computation.
5. AKA as-built drawing.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 09/13/03	**Weather/Site Conditions:** AM Overcast; PM Rain (wet conditions)
On-site Personnel: SAIC – Mitch Brown, Bob Burns BWE – Keith Corrigan, Mike Bongiorno, Luis Canales, Alfonse Nocesa	**Visitors:** BWE – Tom Spatafori

Summary of Days Activities (refer to site photographs for more details on site progress):

1. General site cleanup / housekeeping.
2. Picking of debris / concrete from final grade surface.
3. Demobilization of equipment.
4. Dressing-up of aggregate access roadway.
5. Minor final site perimeter grading.
6. Took many documentary photographs of site conditions upon completion of the day's work.

Materials Removed From Site (see final waste hauling records for detailed quantities):

None.

Problems Encountered:

- - -

Significant Communications/Conversations (see field management site logbook for more detail):

1. Gave on-site personnel directions on general site final grading, cleanup, and housekeeping.
2. Discussed between BWE and Cronce whether BWE would consider seeding entire site if discing requirement is waived (BWE landscaper indicated disc-ing of surface wouldn't be necessary since site was just graded; landscaper also indicated that warranty will remain in effect for surface seeding). Pending meeting with landscaper on Monday.
3. Requested BWE to load steel I-beam originally located along northern edge of old chemical building.

Compliance/Deviations from the Specifications:

1. Potential for waiving of surface discing requirement in lieu of seeding entire site.

Health and Safety Issues:

1. No dust control required and personnel safety attire acceptable.

Outstanding Issues:

1. Removal of METS dumpster.
2. Demobilization of BWE tools and materials.
3. BWE cleaning of paved driveway.
4. Tire recycling.
5. Steel container removal.
6. Final site revegetation.
7. Eventual removal of silt fence.
8. EPA-acquired site perimeter fence.
9. Contaminated / hazardous substance drum removal from site.
10. Seeding of entire site in lieu of surface discing.

Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 09/15/03	**Weather/Site Conditions:** AM and PM Overcast / Muggy
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson Larkfield Land Development – 5 landscaping subcontractor personnel including Timmy Christopherson and 4 laborers	**Visitors:** METS – roll-off truck driver BWE – Mike Posillico, Mark Soliman

Summary of Days Activities (refer to site photographs for more details on site progress):

1. Site surface seeding / mulching.
2. Demobilization of equipment.

Materials Removed From Site (see final waste hauling records for detailed quantities):

1. municipal waste (1 load)

Problems Encountered:

1. ATV's were on-site over the weekend driving on top of graded surface.
2. Landscaper hydro-seed truck hydraulic line failed during seeding; eventually was fixed on-site.

Significant Communications/Conversations (see field management site logbook for more detail):

1. Requested METS to haul both the project municipal waste dumpster and the GWTP dumpster.
2. Asked Bethpage Stables to move trailers to demobilize D8; ended up speaking to Seacrest personnel to move trailers.
3. Spoke to Cronce regarding project status, disposal of contaminated drums, and the need for a perimeter fence due to ATV traffic on-site over the weekend.
4. Spoke to Christopherson about seeding operations; he indicated that he will seed entire graded site area per specification and that the warranty will stand in lieu of discing the surface; he also indicated that the soil pH was 5.5.
5. Spoke to Bian about obtaining and posting DO NOT ENTER signs on-site.
6. Spoke to Joe III about demobilization of equipment.
7. Spoke to Casings about tire hauling tomorrow.
8. Discussed seeding operations with Cronce: Cronce authorized Larkfield's published seeding/lime/fertilizer submittal to SAIC with the exception that 10% of the seed be annual ryegrass instead of perennial ryegrass. I communicated same to Christopherson prior to beginning of seeding operations.
9. Requested final "empty bag" count from landscaper prior to their demobilization.
10. Sketched and photographed land area completed with 1st hydro-seed truckload; requested Bob Burns to do same for each subsequent load before I left for the day.
11. Discussed final "fines" volumes with Soliman and Cronce.

Compliance/Deviations from the Specifications:

1. See items 4, 8, and 9 above.

Health and Safety Issues:

1. Personnel safety equipment acceptable.
2. No dust control necessary.

Outstanding Issues:

1. Demobilization of D8 and BWE tools and materials.
2. BWE cleaning of paved driveway.
3. Tire recycling.
4. Steel container removal.
5. Final site revegetation.
6. Eventual removal of silt fence.
7. EPA-acquired site perimeter fence.
8. Contaminated / hazardous substance drum removal from site.

9. Count number of empty seed-related bags vs. acreage seeded. 10. BWE weight/dump slip discrepancies.
Signature of Oversight Engineer:

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 09/16/03	**Weather/Site Conditions:** PM Sunny 82°F
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – D8 hauler driver	**Visitors:** Casings – John Mastrup BWE – equipment/material pickup person, Mark Soliman

Summary of Days Activities (refer to site photographs for more details on site progress):
1. Last loads of non-contaminated debris hauled off-site.
2. Participated in conference call with USACE regarding project status.
3. BWE demobilization of equipment, tools, and materials. Last heavy equipment hauled off-site today.

Materials Removed From Site (see final waste hauling records for detailed quantities):
1. steel (1 load)
2. tires (51 total of assorted types)

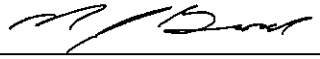
Problems Encountered:
- - -

Significant Communications/Conversations (see field management site logbook for more detail):
1. Spoke with Cronce, Vann, Burns, and Bian via conference call regarding project status and final quantity estimates.
2. Called Casings again to confirm tire pickup today.

Compliance/Deviations from the Specifications:
- - -

Health and Safety Issues:
1. No BWE personnel on-site other than equipment/material pickup person. No H&S issues.
2. Dust control not required.

Outstanding Issues:
1. Demobilization of BWE torch, geo-membrane roll, and gas-powered water pump.
2. BWE cleaning of paved driveway.
3. Substantial completion of final site revegetation.
4. Eventual removal of silt fence.
5. EPA-acquired site perimeter fence.
6. Contaminated / hazardous substance drum removal from site.
7. Count number of empty seed-related bags vs. acreage seeded.
8. BWE weight/dump slip discrepancies.

Signature of Oversight Engineer: 

Daily Activity Report

Claremont Polychemical Debris Removal
Contract DACW41-02-D-0005-0002

Date: 09/17/03	**Weather/Site Conditions:** AM Sunny; PM Overcast
On-site Personnel: SAIC – Mitch Brown, Bob Burns, James Jackson BWE – roadway cleaning truck operator	**Visitors:** None.

Summary of Days Activities (refer to site photographs for more details on site progress):

1. Completion of reporting paperwork and packing of personal materials for travel back to Pennsylvania.
2. BWE cleaning of paved driveway and concrete pad located to the east of the old chemical building.
3. Took final miscellaneous photos of site, locked gates, left site.

Materials Removed From Site (see final waste hauling records for detailed quantities):

None.

Problems Encountered:

1. Cleaning truck operator appeared to have dumped "brushings" onto gravel driveway.

Significant Communications/Conversations (see field management site logbook for more detail):

1. Discussed proper paved driveway cleaning with Bob Burns and cleaning truck operator.

Compliance/Deviations from the Specifications:

- - -

Health and Safety Issues:

None.

Outstanding Issues:

1. Demobilization of BWE torch, geo-membrane roll, and gas-powered water pump.
2. Substantial completion of final site revegetation.
3. Eventual removal of silt fence.
4. EPA-acquired site perimeter fence.
5. Contaminated / hazardous substance drum removal from site.
6. Count number of empty seed-related bags vs. acreage seeded.
7. Resolve BWE weight/dump slip discrepancies.

Signature of Oversight Engineer:

APPENDIX G

Method Used to Calculate Volume of Fines Stockpiles

AK Associates
Professional Land Surveyors
143 North Long Beach Road
Rockville Centre, NY 11570
Tel: (516) 678-9610 Fax: (516) 678-0348

September 12, 2003

Mitchell J. Brown
SAIC
505 Winding Road
Bethpage, NY 11804

Dear Mr. Brown,

AK Associates has completed the survey work required to obtain the vertical data to determine the existing grade surface throughout the overall project site. This surface was compiled from several trips to the site during the progress of the project. Vertical data was also obtained during the course of the work on the two (2) piles of fines. The easterly pile ran predominantly in a north south direction which I refer to as Pile 9 and another in an east west direction to the north of the building which I refer to as Pile 10.

We used the Softdesk program to create the existing ground surface containing over 1050 elevation locations. This surface was used as the base grade for both volume calculations. The surfaces for piles 9 and 10 were created using 650 and 450 vertical data points respectively for each pile. The large number of points used enabled us to define the surfaces as best we could. We also obtained elevations in and around the hole where the hazardous materials were removed, and again after the hole was filled with fine material. We calculated the volumes using the Softdesk program utilizing several methods. The software provider states that the composite method of calculating the volume achieves the best results.

As a result of our field work and calculations we find the following:

Pile 9 contained approximately 11,633 cubic yards
Pile 10 contained approximately 7,525 cubic yards
The hazardous materials hole contained approximately 145 cubic yards

Hard copy prints of those piles have been delivered as well as reports of the volumetrics.

We trust this data will be sufficient for your needs. As always we are available for further explanation or discussion regarding this project.

Sincerely Yours,

Ralph Anderson, L.S.

APPENDIX H

Non-Hazardous Waste Disposition Information

Appendix G. Non-Hazardous Waste Disposition Information
Debris Removal - Claremont Polychemical Superfund Site

TRUCK NO.	WASTE MTL.	HAUL DATE	TRUCK ID.	TRAILER / ROLL-OFF ID.	EST. QTY.	UNIT	GR. WT.	TARE WT.	NET WT.	UNIT	TARE DATE	DISP. LOC.	SCALE LOC.	IND. GR.	DEV.	IND. TAR.	DEV.	IND. NET	DEV.	INDEP. SCALE LOC.	TRACK FORM	GROSS WEIGHT RECEIPT	DISPOSAL RECEIPT	TARE WEIGHT RECEIPT	INDEP WEIGHT RECEIPT
DEBRIS																									
1 T	trees	07/16/03	205	602	35	CY	23.81	18.58	5.23	TN	07/16/03	CEPI	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	- - -	- - -
2 T	trees	07/16/03	205	602	35	CY	23.36	18.58	4.78	TN	07/16/03	CEPI	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	- - -	- - -
3 T	trees	07/16/03	205	602	35	CY	22.89	18.58	4.31	TN	07/16/03	CEPI	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	- - -	- - -
4 T	trees	07/16/03	205	602	35	CY	23.56	18.58	4.98	TN	07/16/03	CEPI	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	- - -	- - -
5 T	trees	07/16/03	205	602	35	CY	22.54	18.58	3.96	TN	07/16/03	CEPI	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	- - -	- - -
6 T	trees	07/17/03	204	601	35	CY	24.94	21.43	3.51	TN	07/17/03	CEPI	PBAC	24.69	0.25	21.49	-0.06	3.20	0.31	TOB	√	√	√	- - -	√
7 T	trees	07/17/03	204	601	35	CY	25.67	21.43	4.24	TN	07/17/03	CEPI	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	- - -	- - -
7					**245**	**CY**			**31.01**	**TN**															
1 W	wood	08/11/03	204	683	36	CY	35.03	21.56	13.47	TN	08/11/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
2 W	wood	08/11/03	205	682	36	CY	32.02	22.79	9.23	TN	08/07/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
3 W	wood	08/11/03	205	682	36	CY	35.90	22.79	13.11	TN	08/07/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
4 W	wood	08/11/03	204	683	36	CY	36.14	21.56	14.58	TN	08/11/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
5 W	wood	08/14/03	104	20350	20	CY	26.64	18.56	8.08	TN	08/14/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
6 W	wood	08/18/03	205	682	36	CY	34.51	22.47	12.04	TN	08/18/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
7 W	wood	08/18/03	104	20350	18	CY	27.47	18.56	8.91	TN	08/18/03	110SC	110SC	- - -	- - -	18.45	0.11	- - -	- - -	TOB	√	√	√	√	√
8 W	wood	08/19/03	104	20350	18	CY	26.76	18.56	8.20	TN	08/18/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
9 W	wood	08/20/03	205	682	36	CY	34.99	22.47	12.52	TN	08/18/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
10 W	wood	08/20/03	205	682	36	CY	35.79	22.47	13.32	TN	08/18/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
11 W	wood	08/20/03	104	20350	18	CY	28.07	18.56	9.51	TN	08/14/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
12 W	wood	08/20/03	104	20350	18	CY	26.60	18.56	8.04	TN	08/14/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
13 W	wood	08/21/03	104	20350	18	CY	27.13	18.03	9.10	TN	08/21/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
14 W	wood	08/22/03	104	30423	30	CY	34.52	18.62	15.90	TN	08/26/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
15 W	wood	08/25/03	104	30423	30	CY	32.26	18.62	13.64	TN	08/26/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
16 W	wood	08/26/03	104	30423	30	CY	29.93	18.62	11.31	TN	08/26/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
17 W	wood	08/29/03	766	- - -	18	CY	24.39	18.39	6.00	TN	08/29/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
18 W	wood	08/29/03	5011	30423	30	CY	32.99	17.05	15.94	TN	08/29/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
19 W	wood	08/29/03	766	- - -	18	CY	24.31	18.39	5.92	TN	08/29/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
20 W	wood	08/29/03	766	- - -	18	CY	25.58	18.39	7.19	TN	08/29/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
21 W	wood	09/02/03	5208	30423	30	CY	30.54	17.36	13.18	TN	09/02/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
22 W	wood	09/04/03	205	682	36	CY	39.63	22.71	16.92	TN	09/04/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
23 W	wood	09/05/03	104	30423	30	CY	30.13	18.62	11.51	TN	08/26/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
24 W	wood	09/05/03	104	30423	32	CY	40.24	18.62	21.62	TN	08/26/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -		√	√	√	- - -
25 W	wood	09/08/03	104	30423	34	CY	37.60	18.43	19.17	TN	09/08/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
26 W	wood	09/08/03	104	30423	34	CY	27.43	18.43	9.00	TN	09/08/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
27 W	wood	09/10/03	104	30423	35	CY	35.58	18.86	16.72	TN	09/10/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
28 W	wood	09/10/03	104	1540	12	CY	24.26	18.46	5.80	TN	09/10/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
28					**779**	**CY**			**329.93**	**TN**															
1 D	c & d	08/14/03	104	30423	30	CY	31.47	18.73	12.74	TN	08/14/03	WWSONY	WWSONY	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
2 D	c & d	08/21/03	104	30423	30	CY	33.26	18.65	14.61	TN	08/21/03	WWSONY	WWSONY	- - -	- - -	18.50	0.15	- - -	- - -	TOB	√	√	√	√	√
3 D	c & d	08/25/03	104	20350	18	CY	25.83	18.18	7.65	TN	08/25/03	WWSONY	WWSONY	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
4 D	c & d	09/05/03	104	20350	18	CY	30.69	18.17	12.52	TN	09/05/03	WWSONY	WWSONY	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
5 D	c & d	09/08/03	104	1540	15	CY	25.33	18.36	6.97	TN	09/08/03	WWSONY	WWSONY	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
6 D	c & d	09/08/03	104	20350	15	CY	25.92	18.17	7.75	TN	09/08/03	WWSONY	WWSONY	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
6					**126**	**CY**			**62.24**	**TN**															
CONCRETE																									
1 C	concrete	07/22/03	204	683	32	CY	52.60	21.43	31.17	TN	07/22/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
2 C	concrete	07/23/03	7586	- - -	18	CY	46.13	17.15	28.95	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
3 C	concrete	07/23/03	7587	- - -	18	CY	44.34	17.49	26.85	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
4 C	concrete	07/23/03	7586	- - -	18	CY	40.53	17.15	23.38	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
5 C	concrete	07/23/03	7587	- - -	18	CY	39.69	17.49	22.20	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
6 C	concrete	07/23/03	1646	- - -	18	CY	33.71	15.39	18.32	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
7 C	concrete	07/23/03	7586	- - -	18	CY	40.73	17.15	23.58	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
8 C	concrete	07/23/03	7587	- - -	18	CY	38.66	17.49	21.17	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
9 C	concrete	07/23/03	1646	- - -	18	CY	31.75	15.39	16.36	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -

Appendix G. Non-Hazardous Waste Disposition Information
Debris Removal - Claremont Polychemical Superfund Site

TRUCK NO.		WASTE MTL.	HAUL DATE	TRUCK ID.	TRAILER / ROLL-OFF ID.	EST. QTY.	UNIT	GR. WT.	TARE WT.	NET WT.	UNIT	TARE DATE	DISP. LOC.	SCALE LOC.	IND. GR.	DEV.	IND. TAR.	DEV.	IND. NET	DEV.	INDEP. SCALE LOC.	TRACK FORM	GROSS WEIGHT RECEIPT	DISPOSAL RECEIPT	TARE WEIGHT RECEIPT	INDEP WEIGHT RECEIPT
10	C	concrete	07/23/03	7586	- - -	18	CY	41.65	17.15	24.50	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
11	C	concrete	07/23/03	7587	- - -	18	CY	43.25	17.49	25.76	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
12	C	concrete	07/23/03	1646	- - -	18	CY	32.97	15.39	17.58	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
13	C	concrete	07/23/03	7586	- - -	18	CY	41.67	17.15	24.52	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
14	C	concrete	07/23/03	7587	- - -	18	CY	39.94	17.49	22.45	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
15	C	concrete	07/23/03	1646	- - -	18	CY	34.38	15.39	18.99	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
16	C	concrete	07/23/03	7586	- - -	18	CY	41.11	17.15	23.96	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
17	C	concrete	07/23/03	7587	- - -	18	CY	40.18	17.49	22.69	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
18	C	concrete	07/23/03	1646	- - -	18	CY	35.51	15.39	20.12	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
19	C	concrete	07/23/03	7586	- - -	18	CY	38.59	17.15	21.44	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
20	C	concrete	07/23/03	7587	- - -	18	CY	37.72	17.49	20.23	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
21	C	concrete	07/23/03	1646	- - -	18	CY	37.85	15.39	22.46	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
22	C	concrete	07/23/03	7586	- - -	18	CY	41.77	17.15	24.62	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
23	C	concrete	07/23/03	7587	- - -	18	CY	40.22	17.49	22.73	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
24	C	concrete	07/23/03	1646	- - -	18	CY	31.52	15.39	16.13	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
25	C	concrete	07/23/03	7586	- - -	18	CY	38.66	17.15	21.51	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
26	C	concrete	07/23/03	7587	- - -	18	CY	37.29	17.49	19.80	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
27	C	concrete	07/23/03	1646	- - -	18	CY	31.34	15.39	15.95	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
28	C	concrete	07/23/03	7586	- - -	18	CY	37.40	17.15	20.25	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
29	C	concrete	07/23/03	7587	- - -	18	CY	38.70	17.49	21.21	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
30	C	concrete	07/23/03	1646	- - -	18	CY	33.57	15.39	18.18	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
31	C	concrete	07/23/03	7586	- - -	18	CY	39.95	17.15	22.80	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
32	C	concrete	07/23/03	7587	- - -	18	CY	40.27	17.49	22.78	TN	07/23/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
33	C	concrete	07/23/03	1646	- - -	18	CY	- - -	- - -	20.24	TN	07/23/03	CSLLC	PBAC	35.56	- - -	15.32	- - -	20.24	- - -	TOB	√	√	√	√	√
34	C	concrete	07/23/03	1646	- - -	18	CY	37.55	15.29	22.26	TN	07/23/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
35	C	concrete	07/28/03	630	- - -	32	CY	63.76	24.10	39.66	TN	07/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	- - -	- - -
36	C	concrete	07/30/03	763	- - -	18	CY	36.46	16.50	19.96	TN	07/30/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
37	C	concrete	07/30/03	763	- - -	18	CY	37.62	16.50	21.12	TN	07/30/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
38	C	concrete	08/01/03	204	683	32	CY	59.01	21.43	37.58	TN	08/01/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
39	C	concrete	08/01/03	205	682	32	CY	58.50	23.15	35.35	TN	08/01/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
40	C	concrete	08/01/03	204	683	32	CY	61.48	21.43	40.05	TN	08/01/03	CSLLC	PBAC	61.55	-0.07	21.73	-0.30	39.82	0.23	TOB	√	√	√	√	√
41	C	concrete	08/01/03	205	682	32	CY	58.24	23.26	34.98	TN	08/01/03	110SC	110SC	58.43	-0.19	23.43	-0.17	35.00	-0.02	TOB	√	√	√	√	√
42	C	concrete	08/01/03	205	682	32	CY	54.12	23.26	30.86	TN	08/01/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
43	C	concrete	08/01/03	204	683	32	CY	51.00	21.70	29.30	TN	08/01/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
44	C	concrete	08/01/03	205	682	32	CY	58.39	23.26	35.13	TN	08/01/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
45	C	concrete	08/01/03	204	683	32	CY	61.15	21.43	39.72	TN	08/01/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
46	C	concrete	08/01/03	205	682	32	CY	- - -	- - -	35.49	TN	08/01/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
47	C	concrete	08/01/03	204	683	32	CY	54.64	21.70	32.94	TN	08/01/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
48	C	concrete	08/01/03	205	682	32	CY	58.72	23.26	35.46	TN	08/01/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
49	C	concrete	08/01/03	204	683	32	CY	53.60	21.70	31.90	TN	08/01/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
50	C	concrete	08/01/03	205	682	32	CY	56.41	23.26	33.15	TN	08/01/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
51	C	concrete	08/01/03	204	683	32	CY	60.33	21.70	38.63	TN	08/01/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
52	C	concrete	08/05/03	205	682	32	CY	56.62	23.26	33.36	TN	08/01/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
53	C	concrete	08/05/03	205	682	32	CY	54.18	23.26	30.92	TN	08/01/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
54	C	concrete	08/05/03	205	682	32	CY	57.46	23.26	34.20	TN	08/01/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
55	C	concrete	08/05/03	205	682	32	CY	58.06	23.26	34.80	TN	08/01/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
56	C	concrete	08/05/03	205	682	32	CY	58.31	23.26	35.05	TN	08/01/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
57	C	concrete	08/05/03	205	682	32	CY	60.25	23.26	36.99	TN	08/01/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
58	C	concrete	08/05/03	205	682	32	CY	59.14	23.26	35.88	TN	08/01/03	CSLLC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
59	C	concrete	08/06/03	205	682	32	CY	58.44	22.88	35.56	TN	08/06/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
60	C	concrete	08/06/03	632	673	32	CY	58.74	23.35	35.39	TN	08/06/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
61	C	concrete	08/06/03	205	682	32	CY	58.62	22.88	35.74	TN	08/06/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
62	C	concrete	08/06/03	205	682	32	CY	59.01	22.88	36.13	TN	08/06/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
63	C	concrete	08/06/03	205	682	32	CY	58.40	22.88	35.52	TN	08/06/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
64	C	concrete	08/06/03	205	682	32	CY	58.79	22.88	35.91	TN	08/06/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
65	C	concrete	08/06/03	205	682	32	CY	59.28	22.88	36.40	TN	08/06/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
66	C	concrete	08/06/03	205	682	32	CY	57.89	22.88	35.01	TN	285.66	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
67	C	concrete	08/07/03	205	682	32	CY	59.89	22.79	37.10	TN	08/07/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
68	C	concrete	08/07/03	205	682	32	CY	57.10	22.79	34.31	TN	08/07/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
69	C	concrete	08/07/03	205	682	32	CY	59.74	22.79	36.95	TN	08/07/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
70	C	concrete	08/07/03	205	682	32	CY	57.48	22.79	34.69	TN	08/07/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
71	C	concrete	08/07/03	205	682	32	CY	57.98	22.92	35.06	TN	08/07/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
72	C	concrete	08/07/03	205	682	32	CY	58.99	22.79	36.20	TN	08/07/03	110SC	110SC	- - -	- - -	58.90	0.09	- - -	- - -	TOB	√	√	√	√	√

Appendix G. Non-Hazardous Waste Disposition Information
Debris Removal - Claremont Polychemical Superfund Site

TRUCK NO.		WASTE MTL.	HAUL DATE	TRUCK ID.	TRAILER / ROLL-OFF ID.	EST. QTY.	UNIT	GR. WT.	TARE WT.	NET WT.	UNIT	TARE DATE	DISP. LOC.	SCALE LOC.	IND. GR.	DEV.	IND. TAR.	DEV.	IND. NET	DEV.	INDEP. SCALE LOC.	TRACK FORM	GROSS WEIGHT RECEIPT	DISPOSAL RECEIPT	TARE WEIGHT RECEIPT	INDEP WEIGHT RECEIPT
73	C	concrete	08/07/03	205	682	32	CY	61.15	22.79	38.36	TN	08/07/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
74	C	concrete	08/07/03	205	682	32	CY	59.06	22.79	36.27	TN	288.94	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
75	C	concrete	08/08/03	204	683	32	CY	51.01	21.70	29.31	TN	08/08/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
76	C	concrete	08/08/03	204	683	32	CY	56.95	21.70	35.25	TN	08/08/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
77	C	concrete	08/08/03	204	683	32	CY	54.42	21.70	32.72	TN	08/08/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
78	C	concrete	08/08/03	204	683	32	CY	57.39	21.70	35.69	TN	08/08/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
79	C	concrete	08/08/03	204	683	32	CY	54.04	21.70	32.34	TN	08/08/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
80	C	concrete	08/08/03	204	683	32	CY	57.55	21.46	36.09	TN	08/08/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
81	C	concrete	08/08/03	204	683	32	CY	57.94	21.46	36.48	TN	08/08/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
81						**2,102**	**CY**			**2,370.10**	**TN**															
82	C	concrete	08/11/03	204	683	32	CY	58.42	21.49	36.93	TN	08/11/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
83	C	concrete	08/11/03	205	682	32	CY	58.79	22.65	36.14	TN	08/11/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
84	C	concrete	08/11/03	205	682	32	CY	58.98	22.65	36.33	TN	08/11/03	CSLLC	PBAC			- - -				- - -		√	√	√	- - -
85	C	concrete	08/11/03	204	683	32	CY	54.53	21.49	33.04	TN	08/11/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
86	C	concrete	08/11/03	204	683	32	CY	54.06	21.49	32.57	TN	08/11/03	CSLLC	PBAC			- - -				- - -		√	√	√	- - -
87	C	concrete	08/11/03	205	682	32	CY	57.45	22.65	34.80	TN	08/11/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
88	C	concrete	08/11/03	204	683	32	CY	54.38	21.49	32.89	TN	08/11/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
89	C	concrete	08/12/03	204	683	32	CY	50.11	21.49	28.62	TN	08/12/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
90	C	concrete	08/12/03	205	682	32	CY	58.44	22.65	35.79	TN	08/11/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
91	C	concrete	08/12/03	204	683	32	CY	57.87	21.49	36.38	TN	08/12/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
92	C	concrete	08/12/03	205	682	32	CY	59.27	22.65	36.62	TN	08/11/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
93	C	concrete	08/12/03	204	683	32	CY	58.89	22.65	36.24	TN	08/12/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
94	C	concrete	08/12/03	205	682	32	CY	57.99	22.65	35.34	TN	08/11/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
95	C	concrete	08/12/03	204	683	32	CY	57.62	21.49	36.13	TN	08/12/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
96	C	concrete	08/12/03	205	682	32	CY	58.41	22.65	35.76	TN	08/11/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
97	C	concrete	08/12/03	204	683	32	CY	58.15	21.49	36.66	TN	08/12/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
98	C	concrete	08/12/03	205	682	32	CY	59.11	22.65	36.46	TN	08/11/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
99	C	concrete	08/12/03	204	683	32	CY	59.42	21.49	37.93	TN	08/12/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
100	C	concrete	08/12/03	204	683	32	CY	63.36	21.49	41.87	TN	08/12/03	CSLLC	PBAC	63.34	0.02	- - -	- - -	- - -	- - -	TOB	√	√	√	√	√
101	C	concrete	08/12/03	205	682	32	CY	65.04	22.65	42.39	TN	476.19	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
102	C	concrete	08/14/03	205	682	32	CY	54.25	22.87	31.38	TN	08/14/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
103	C	concrete	08/14/03	205	682	32	CY	54.83	22.87	31.96	TN	08/14/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
104	C	concrete	08/14/03	205	682	32	CY	59.27	22.87	36.40	TN	08/14/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
105	C	concrete	08/14/03	205	682	32	CY	58.86	22.87	35.99	TN	08/14/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
106	C	concrete	08/14/03	205	682	32	CY	58.55	22.87	35.68	TN	08/14/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
107	C	concrete	08/14/03	205	682	32	CY	58.95	22.87	36.08	TN	08/14/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
108	C	concrete	08/14/03	205	682	32	CY	59.71	22.87	36.84	TN	08/14/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
109	C	concrete	08/15/03	205	682	32	CY	45.56	22.79	22.77	TN	08/15/03	CSLLC	110SC			- - -				- - -	√	√	√	√	- - -
110	C	concrete	08/15/03	205	682	32	CY	52.11	22.79	29.32	TN	08/15/03	110SC	110SC			- - -				- - -	√	√	√	√	- - -
111	C	concrete	08/15/03	205	682	32	CY	51.83	22.79	29.04	TN	08/15/03	110SC	110SC			- - -				- - -	√	√	√	√	- - -
112	C	concrete	08/15/03	205	682	32	CY	49.77	22.79	26.98	TN	08/15/03	110SC	110SC			- - -				- - -	√	√	√	√	- - -
113	C	concrete	08/15/03	205	682	32	CY	59.52	22.79	36.73	TN	08/15/03	CSLLC	110SC			- - -				- - -	√	√	√	√	- - -
114	C	concrete	08/15/03	205	683	32	CY	56.58	21.38	35.20	TN	08/15/03	110SC	110SC			- - -				- - -	√	√	√	√	- - -
115	C	concrete	08/18/03	205	682	32	CY	59.12	22.40	36.72	TN	08/18/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
116	C	concrete	08/18/03	205	682	32	CY	58.19	22.40	35.79	TN	08/18/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
117	C	concrete	08/18/03	205	682	32	CY	58.79	22.40	36.39	TN	08/18/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
118	C	concrete	08/18/03	205	682	32	CY	59.36	22.40	36.96	TN	08/18/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
119	C	concrete	08/18/03	205	682	32	CY	58.44	22.40	36.04	TN	08/18/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
120	C	concrete	08/18/03	205	682	32	CY	58.05	22.40	35.65	TN	08/18/03	CSLLC	PBAC			- - -				- - -	√	√	√	√	- - -
121	C	concrete	08/19/03	205	682	32	CY	54.61	22.47	32.14	TN	08/18/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
122	C	concrete	08/19/03	205	682	32	CY	54.91	22.47	32.44	TN	08/18/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
123	C	concrete	08/19/03	205	682	32	CY	51.61	22.47	29.14	TN	08/18/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
124	C	concrete	08/19/03	205	682	32	CY	59.73	22.47	37.26	TN	08/18/03	110SC	110SC	60.67	-0.94	22.49	-0.02	38.18	-0.92	TOB	√	√	√	√	√
125	C	concrete	08/19/03	205	682	32	CY	60.43	22.47	37.96	TN	08/18/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
126	C	concrete	08/19/03	205	682	32	CY	58.08	22.44	35.64	TN	08/19/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
127	C	concrete	08/19/03	205	682	32	CY	56.22	22.47	33.75	TN	08/18/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
128	C	concrete	08/19/03	205	682	32	CY	57.58	22.47	35.11	TN	08/18/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
129	C	concrete	08/19/03	205	682	32	CY	61.20	22.44	38.76	TN	08/19/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
130	C	concrete	08/20/03	205	682	32	CY	57.01	22.47	34.54	TN	08/18/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
131	C	concrete	08/20/03	205	682	32	CY	57.92	22.47	35.45	TN	08/18/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
132	C	concrete	08/20/03	205	682	32	CY	59.99	22.44	37.55	TN	08/20/03	CSLLC	PBAC	59.90	0.09	22.46	-0.02	37.44	0.11	TOB	√	√	√	√	√

Appendix G. Non-Hazardous Waste Disposition Information
Debris Removal - Claremont Polychemical Superfund Site

TRUCK NO.		WASTE MTL.	HAUL DATE	TRUCK ID.	TRAILER / ROLL-OFF ID.	EST. QTY.	UNIT	GR. WT.	TARE WT.	NET WT.	UNIT	TARE DATE	DISP. LOC.	SCALE LOC.	IND. GR.	DEV.	IND. TAR.	DEV.	IND. NET	DEV.	INDEP. SCALE LOC.	TRACK FORM	GROSS WEIGHT RECEIPT	DISPOSAL RECEIPT	TARE WEIGHT RECEIPT	INDEP WEIGHT RECEIPT
133	C	concrete	08/20/03	205	682	32	CY	59.58	22.47	37.11	TN	08/18/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
134	C	concrete	08/20/03	205	682	32	CY	60.44	22.47	37.97	TN	08/18/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
135	C	concrete	08/20/03	205	682	32	CY	59.25	22.44	36.81	TN	08/20/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
136	C	concrete	08/21/03	205	682	32	CY	59.22	22.37	36.85	TN	08/21/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
137	C	concrete	08/21/03	205	682	32	CY	56.42	22.37	34.05	TN	08/21/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
138	C	concrete	08/21/03	205	682	32	CY	54.36	22.37	31.99	TN	08/21/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
139	C	concrete	08/21/03	205	682	32	CY	61.52	22.37	39.15	TN	08/21/03	CSLLC	PBAC	61.38	0.14	- - -	- - -	- - -	- - -	TOB	√	√	√	√	√
140	C	concrete	08/22/03	204	683	32	CY	57.89	21.56	36.33	TN	08/22/03	110SC	110SC	57.85	0.04	21.07	0.49	36.78	-0.45	TOB	√	√	√	√	√
141	C	concrete	08/25/03	205	682	32	CY	52.93	22.47	30.46	TN	08/18/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
142	C	concrete	08/25/03	205	682	32	CY	57.79	22.47	35.32	TN	08/18/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
143	C	concrete	08/25/03	205	682	32	CY	56.89	22.47	34.42	TN	08/18/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
144	C	concrete	08/25/03	205	682	32	CY	60.55	22.47	38.08	TN	08/18/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
145	C	concrete	08/25/03	205	682	32	CY	59.23	22.44	36.79	TN	08/25/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
146	C	concrete	08/25/03	205	682	32	CY	60.08	22.44	37.64	TN	08/25/03	CSLLC	PBAC	60.05	0.03	22.29	0.15	37.76	-0.12	TOB	√	√	√	√	- - -
147	C	concrete	08/25/03	205	682	32	CY	60.30	22.44	37.86	TN	08/25/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
148	C	concrete	08/26/03	205	682	32	CY	59.80	22.28	37.52	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	- - -	√	√	- - -
149	C	concrete	08/26/03	205	682	32	CY	59.86	22.28	37.58	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
150	C	concrete	08/26/03	205	682	32	CY	59.67	22.28	37.39	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
151	C	concrete	08/26/03	205	682	32	CY	58.39	22.28	36.11	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
152	C	concrete	08/26/03	205	682	32	CY	59.12	22.28	36.84	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
153	C	concrete	08/26/03	205	682	32	CY	58.74	22.28	36.46	TN	08/26/03	CSLLC	PBAC	58.71	0.03	22.14	0.14	36.57	-0.11	TOB	√	√	√	√	√
154	C	concrete	08/26/03	205	682	32	CY	59.38	22.28	37.10	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
155	C	concrete	08/27/03	205	682	32	CY	59.21	22.28	36.93	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
156	C	concrete	08/27/03	205	682	32	CY	58.94	22.28	36.66	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
157	C	concrete	08/27/03	205	682	32	CY	58.99	22.28	36.71	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
158	C	concrete	08/27/03	205	682	32	CY	60.48	22.28	38.20	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
159	C	concrete	08/27/03	205	682	32	CY	55.01	22.47	32.54	TN	08/18/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
160	C	concrete	08/27/03	205	682	32	CY	54.05	22.47	31.58	TN	08/18/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
161	C	concrete	08/27/03	205	682	32	CY	59.76	22.28	37.48	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
162	C	concrete	08/27/03	205	682	32	CY	60.42	22.28	38.14	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
163	C	concrete	08/28/03	204	683	32	CY	59.22	21.23	37.99	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
164	C	concrete	08/28/03	766	- - -	18	CY	42.07	18.60	23.47	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
165	C	concrete	08/28/03	204	683	32	CY	59.48	21.23	38.25	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
166	C	concrete	08/28/03	766	- - -	18	CY	41.87	18.60	23.27	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
167	C	concrete	08/28/03	204	683	32	CY	59.80	21.23	38.57	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
168	C	concrete	08/28/03	204	683	32	CY	57.01	21.23	35.78	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
169	C	concrete	08/28/03	204	683	32	CY	58.32	21.23	37.09	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
170	C	concrete	08/28/03	204	683	32	CY	59.87	21.23	38.64	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
171	C	concrete	08/28/03	204	683	32	CY	57.14	21.23	35.91	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
172	C	concrete	08/29/03	204	683	32	CY	59.78	21.23	38.55	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
173	C	concrete	08/29/03	204	683	32	CY	52.75	21.23	31.52	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
174	C	concrete	08/29/03	204	683	32	CY	58.18	21.23	36.95	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
175	C	concrete	08/29/03	204	683	32	CY	58.92	21.23	37.69	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
176	C	concrete	08/29/03	204	683	32	CY	57.78	21.23	36.55	TN	08/28/03	CSLLC	PBAC	57.82	-0.04	21.13	0.10	36.69	-0.14	TOB	√	√	√	√	√
177	C	concrete	08/29/03	204	683	32	CY	57.26	21.23	36.03	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
178	C	concrete	09/02/03	204	683	32	CY	54.57	21.23	33.34	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
179	C	concrete	09/02/03	204	683	32	CY	54.33	21.23	33.10	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
180	C	concrete	09/02/03	204	683	32	CY	59.59	21.23	38.36	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
181	C	concrete	09/02/03	204	683	32	CY	59.02	21.23	37.79	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
182	C	concrete	09/02/03	204	683	32	CY	59.33	21.23	38.10	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
183	C	concrete	09/02/03	204	683	32	CY	57.96	21.23	36.73	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
184	C	concrete	09/03/03	204	683	32	CY	59.46	21.23	38.23	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
185	C	concrete	09/03/03	204	683	32	CY	58.97	21.23	37.74	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
186	C	concrete	09/03/03	204	683	32	CY	58.32	21.23	37.09	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
187	C	concrete	09/03/03	204	683	32	CY	57.88	21.23	36.65	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
188	C	concrete	09/03/03	204	683	32	CY	60.01	21.23	38.78	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
189	C	concrete	09/03/03	204	683	32	CY	58.66	21.23	37.43	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
190	C	concrete	09/04/03	204	683	32	CY	58.96	21.23	37.73	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
191	C	concrete	09/04/03	204	683	32	CY	58.24	21.23	37.01	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
192	C	concrete	09/04/03	204	683	32	CY	59.93	21.23	38.70	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
193	C	concrete	09/04/03	204	683	32	CY	59.62	21.23	38.39	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
194	C	concrete	09/04/03	204	683	32	CY	59.32	21.23	38.09	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
195	C	concrete	09/04/03	204	683	32	CY	60.41	21.23	39.18	TN	08/28/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -

Appendix G. Non-Hazardous Waste Disposition Information
Debris Removal - Claremont Polychemical Superfund Site

TRUCK NO.	WASTE MTL.	HAUL DATE	TRUCK ID.	TRAILER / ROLL-OFF ID.	EST. QTY.	UNIT	GR. WT.	TARE WT.	NET WT.	UNIT	TARE DATE	DISP. LOC.	SCALE LOC.	IND. GR.	DEV.	IND. TAR.	DEV.	IND. NET	DEV.	INDEP. SCALE LOC.	TRACK FORM	GROSS WEIGHT RECEIPT	DISPOSAL RECEIPT	TARE WEIGHT RECEIPT	INDEP WEIGHT RECEIPT
196 C	concrete	09/04/03	205	682	32	CY	59.87	22.28	37.59	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
197 C	concrete	09/05/03	205	682	32	CY	63.20	22.28	40.92	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
198 C	concrete	09/05/03	205	682	32	CY	57.35	22.28	35.07	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
199 C	concrete	09/05/03	205	682	32	CY	61.72	22.28	39.44	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
200 C	concrete	09/05/03	205	682	32	CY	57.50	22.28	35.22	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
201 C	concrete	09/06/03	772	- - -	18	CY	38.20	16.85	21.35	TN	09/06/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
202 C	concrete	09/06/03	773	- - -	18	CY	34.90	16.63	18.27	TN	09/06/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
203 C	concrete	09/06/03	771	- - -	18	CY	37.63	16.14	21.49	TN	09/06/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
204 C	concrete	09/06/03	775	- - -	18	CY	36.26	15.74	20.52	TN	09/06/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
205 C	concrete	09/08/03	205	682	32	CY	58.15	22.28	35.87	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
206 C	concrete	09/08/03	205	682	32	CY	58.12	22.28	35.84	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
207 C	concrete	09/08/03	205	682	32	CY	58.15	22.28	35.87	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
208 C	concrete	09/08/03	205	682	32	CY	60.29	22.28	38.01	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
209 C	concrete	09/08/03	205	682	32	CY	54.43	22.28	32.15	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
210 C	concrete	09/08/03	205	682	32	CY	60.00	22.28	37.72	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
211 C	concrete	09/08/03	205	682	32	CY	58.62	22.28	36.34	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
212 C	concrete	09/08/03	205	682	32	CY	49.51	22.28	27.23	TN	08/26/03	CSLLC	PBAC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
213 C	concrete	09/12/03	104	30423	5	CY	24.81	18.86	5.95	TN	09/10/03	110SC	110SC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
213					**4,113**	**CY**			**4,622.17**	**TN**															

STEEL

1	S	steel	07/16/03	- - -	- - -	20	CY	21.30	17.78	3.52	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
2	S	steel	07/18/03	- - -	- - -	20	CY	22.08	17.24	4.84	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
3	S	steel	07/18/03	- - -	- - -	20	CY	20.07	16.14	3.93	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
4	S	steel	07/21/03	- - -	- - -	20	CY	21.51	17.61	3.90	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
5	S	steel	07/22/03	- - -	- - -	40	CY	28.81	18.02	10.79	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
6	S	steel	07/24/03	- - -	- - -	40	CY	26.39	18.32	8.07	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
7	S	steel	07/28/03	- - -	- - -	20	CY	21.61	17.52	4.09	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
8	S	steel	07/29/03	- - -	- - -	20	CY	23.38	17.07	6.31	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
9	S	steel	07/30/03	- - -	- - -	40	CY	23.94	17.64	6.30	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
10	S	steel	08/01/03	- - -	- - -	40	CY	27.86	16.82	11.04	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
11	S	steel	08/06/03	- - -	- - -	20	CY	26.20	16.78	9.42	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
12	S	steel	08/12/03	- - -	- - -	30	CY	22.13	16.06	6.07	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
13	S	steel	08/16/03	- - -	- - -	30	CY	22.00	16.43	5.57	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
14	S	steel	08/20/03	- - -	- - -	30	CY	29.35	17.58	11.77	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
15	S	steel	08/22/03	- - -	- - -	40	CY	29.25	17.65	11.60	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
16	S	steel	08/26/03	- - -	- - -	30	CY	24.12	17.76	6.36	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
17	S	steel	08/29/03	- - -	- - -	30	CY	26.81	17.55	9.26	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
18	S	steel	09/04/03	- - -	- - -	30	CY	26.14	17.51	8.63	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
19	S	steel	09/08/03	- - -	- - -	30	CY	25.45	17.19	8.26	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
20	S	steel	09/10/03	- - -	- - -	40	CY	27.83	17.47	10.36	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
21	S	steel	09/16/03	- - -	- - -	20	CY	18.89	17.33	1.56	TN	- - -	MISC	MISC	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	√	√	√	- - -
21					**610**	**CY**			**151.65**	**TN**															

Appendix G. Non-Hazardous Waste Disposition Information
Debris Removal - Claremont Polychemical Superfund Site

TRUCK NO.	WASTE MTL.	HAUL DATE	TRUCK ID.	TRAILER / ROLL-OFF ID.	EST. QTY.	UNIT	GR. WT.	TARE WT.	NET WT.	UNIT	TARE DATE	DISP. LOC.	SCALE LOC.	IND. GR.	DEV.	IND. TAR.	DEV.	IND. NET	DEV.	INDEP. SCALE LOC.	TRACK FORM	GROSS WEIGHT RECEIPT	DISPOSAL RECEIPT	TARE WEIGHT RECEIPT	INDEP WEIGHT RECEIPT
MUNICIPAL																									
1	M	c & r waste	09/15/03	- - -	- - -	30	CY	- - -	- - -	- - -	- - -	- - -	METS	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	- - -	√	- - -	- - -
1						**30**	**CY**																		
TIRES																									
1	T	tires	09/16/03	- - -	- - -	51	EA	- - -	- - -	- - -	- - -	- - -	CASE	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	- - -	√	- - -	- - -
1						**51**	**EA**																		
AUTO BATTERIES																									
1	B	batteries	09/09/03	- - -	- - -	15	EA	- - -	- - -	- - -	- - -	- - -			- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	√	- - -		- - -	- - -
1						**15**	**EA**																		

Abbreviations

110SC - 110 Sand Company
c & d - construction & demolition
c & r - commercial & residential
CASE - Casings, Inc.
CEPI - Custom Earth Products, Inc.
CSLLC - Con-Strux, LLC
CY - cubic yards
LBS - pounds
METS - Mets Roll-off Service
MISC - Mid Island Salvage Corporation
PBAC - Posillico Brothers Asphalt Company
TN - tons
TOB - Town of Oyster Bay
TR - tires
WWSONY - Winters Waste Services of New York

APPENDIX I

Hazardous Waste Manifests and Certificates of Disposal

Appendix H. Hazardous Waste Shipments
Debris Removal - Claremont Polychemical Superfund Site

Date	Manifest Document Number	Manifest No.	Transporter	Transportation Type	Facility	Waste Type	Net Wt. Receipt (lbs.)	
8/28/03	00001	NYB9792999	Horowith Trucks Inc.	50CY dump	CWM	CW7897 (soil)	49,480	
8/28/03	00002	NYB9793017	Horowith Trucks Inc.	50CY dump	CWM	CW7897 (soil)	47,720	
8/28/03	00003	NYB9793008	Horowith Trucks Inc.	50CY dump	CWM	CW7897 (soil)	56,980	
9/3/03	00004	NYB9793062	Page ETC Inc.	50CY dump	CWM	CW7897 (soil)	60,120	
9/3/03	00005	NYB9793053	Price Trucking Corp.	50CY dump	CWM	CW7897 (soil)	52,500	
9/3/03	00006	NYB9793035	Price Trucking Corp.	50CY dump	CWM	CW7897 (soil)	46,740	
9/3/03	00007	NYB9793026	Horowith Trucks Inc.	50CY dump	CWM	CW7897 (soil)	45,040	
9/3/03	00008	NYB9793044	Horowith Trucks Inc.	50CY dump	CWM	CW7897 (soil)	50,200	
9/3/03	00009	NYB9793161	Price Trucking Corp.	50CY dump	CWM	CW7897 (soil)	47,240	
9/3/03	00010	NYB9793152	US Bulk Transport	50CY dump	CWM	CW7897 (soil)	64,280	
9/3/03	00011	NYB9793143	Horowith Trucks Inc.	50CY dump	CWM	CW7897 (soil)	46,780	
9/3/03	00012	NYB9793134	Horowith Trucks Inc.	50CY dump	CWM	CW7897 (soil)	46,200	
9/3/03	00013	NYB9793125	US Bulk Transport	50CY dump	CWM	CW7897 (soil)	70,880	
9/3/03	00014	NYB9793116	Price Trucking Corp.	50CY dump	CWM	CW7897 (soil)	57,180	
9/3/03	00015	NYB9793107	Price Trucking Corp.	50CY dump	CWM	CW7897 (soil)	48,740	
9/3/03	00016	NYB9793098	Horowith Trucks Inc.	50CY dump	CWM	CW7897 (soil)	57,820	
9/3/03	00017	NYB9793089	Horowith Trucks Inc.	50CY dump	CWM	CW7897 (soil)	60,740	
						Subtotal Soil	**908,640**	**454.32 tons**
9/4/03	00018	NYB9792954	Horowith Trucks Inc.	20CY Roll-off	CWM	CW7898 (debris)	43,320	
9/4/03	00019	NYB9792873	Price Trucking Corp.	20CY Roll-off	CWM	CW7898 (debris)	33,260	
9/4/03	00020	NYB9792882	Price Trucking Corp.	20CY Roll-off	CWM	CW7898 (debris)	38,560	
9/4/03	00021	NYB9792891	Price Trucking Corp.	20CY Roll-off	CWM	CW7898 (debris)	35,760	
9/4/03	00022	NYB9792909	Horowith Trucks Inc.	20CY Roll-off	CWM	CW7898 (debris)	26,120	
9/4/03	00023	NYB9792918	Horowith Trucks Inc.	20CY Roll-off	CWM	CW7898 (debris)	33,820	
9/4/03	00024	NYB9792927	Horowith Trucks Inc.	20CY Roll-off	CWM	CW7898 (debris)	19,560	
9/4/03	00025	NYB9792936	Buffalo Fuel Corp.	20CY Roll-off	CWM	CW7898 (debris)	26,080	
						Subtotal Debris	**256,480**	**128.24 tons**

HAZARDOUS WASTE MANIFESTS

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

NYB9792999

Please type or print. Do not staple.

HAZARDOUS WASTE MANIFEST

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

CWMI

(Hazardous Waste Manifest 5/00)

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

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NYD000000000 Manifest Doc. No. 00001
2. Page 1 of
Information within heavy bold line is not required by Federal Law.

A. NYB9792999

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804-1336

B. Generator's ID SAME

4. Generator's Telephone Number (516 777-7242

5. Transporter 1 (Company Name) HORWITH TRUCKS INC.
6. US EPA ID Number PAD1467148718
C. State Transporter's ID XV-23140 PA
D. Transporter's Telephone (800) 220-8807

7. Transporter 2 (Company Name)
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Telephone ( )

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

10. US EPA ID Number NYD049836679

G. State Facility ID

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S,9,NA3077,III (Cadmium)	001	DT	Est. 46000	P	EPA D006 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. CW7897 c.
b. d.

K. Handling Codes for Wastes Listed Above
a. T c.
b. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract
SR# 692495 Certificate of Disposal Required

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

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

Printed/Typed Name USACE ON BEHALF OF USEPA, SHEWEN BIAN | Signature | Mo. Day Year 08 28 03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name ARNOLD C REPH | Signature | Mo. Day Year 08 28 03

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

FACILITY

19. Discrepancy Indication Space

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

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9793017

Please type or print. Do not staple.

HAZARDOUS WASTE MANIFEST

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

CWM

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NYD00[illegible] Manifest Doc. No. 00002
2. Page 1 of 1

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

A. NYB9793017

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804 1336

B. Generator's ID SAME

4. Generator's Telephone Number (516 777-7242

5. Transporter 1 (Company Name) Horwith TKS INC
6. US EPA ID Number PAD146714878

C. State Transporter's ID NJ-45062-PA
D. Transporter's Telephone (610) 261-2220

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

E. State Transporter's ID
F. Transporter's Telephone ( )

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

10. US EPA ID Number NYD049836679

G. State Facility ID
H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9,NA3077,III (Cadmium)	001	DT	Est. 46000	P	EPA D006 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. CW7897 c.
b. d.

K. Handling Codes for Wastes Listed Above
a. T c.
b. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract
SR# 692495-2 Certificate of Disposal Required

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

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Printed/Typed Name: USACE ON BEHALF OF USEPA, SHEWEN BIAN
Signature: [signature]
Mo. Day Year: 08 28 03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: George VAVRO
Signature: [signature]
Mo. Day Year: 08 28 03

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

FACILITY

19. Discrepancy Indication Space

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

GENERATOR

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

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

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

NYB9793008
Please type or print. Do not staple.

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

CWMI
(Hazardous Waste Manifest 5/00)

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NYD000000000000 — Manifest Doc. No. 00003
2. Page 1 of 1

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

A. NYB9793008

GENERATOR

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804-1336

4. Generator's Telephone Number (516 777-7242

B. Generator's ID: SAME

5. Transporter 1 (Company Name): Horwith TRK

6. US EPA ID Number: PAD146714878

C. State Transporter's ID: YK49181PG

D. Transporter's Telephone (610) 261-2220

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

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

10. US EPA ID Number: NYD049836679

G. State Facility ID

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S,9,NA3077,III (Cadmium)	001	TT	Est. 46000	P	EPA D006 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. CW7897
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. T
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract
SR# 692495 Certificate of Disposal Required

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

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Printed/Typed Name: USACE ON BEHALF OF USEPA, SHEWEN BIAN — Signature: [signature] — Mo. Day Year: 08 28 03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Booker Riddick — Signature: [signature] — Mo. Day Year: 08 28 03

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

FACILITY

19. Discrepancy Indication Space

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

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

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

NYB9793062

Please type or print. Do not staple.

HAZARDOUS WASTE MANIFEST

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

CWMI

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: N Y D 0 0 2 0 4 4 5 8 0 — Manifest Doc. No.: 00094
2. Page 1 of 1

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

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804 1336

4. Generator's Telephone Number (516 777 7242

A. NYB9793062

B. Generator's ID: SAME

5. Transporter 1 (Company Name): PAGE ETC INC.
6. US EPA ID Number: [illegible] 69947
7. Transporter 2 (Company Name)
8. US EPA ID Number

C. State Transporter's ID
D. Transporter's Telephone AD 27945 [illegible]
E. State Transporter's ID 800 233 2124
F. Transporter's Telephone ( )

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

10. US EPA ID Number: N Y D 0 4 9 8 3 6 6 7 9

G. State Facility ID
H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S,9,NA3077,III (Cadmium)	001	DT	EST. 46000	P	EPA D006 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. CW7897
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. T
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract
SR# 692553
Certificate of disposal required

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

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Printed/Typed Name: USACE ON BEHALF OF USEPA SHEWEN BIAN — Signature: [signature] — Mo. Day Year: 09 03 03

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Thomas Sackett — Signature: [signature] — Mo. Day Year: 09 03 03

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

19. Discrepancy Indication Space

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

GENERATOR / TRANSPORTER / FACILITY

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

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9793053

Please type or print. Do not staple.

HAZARDOUS WASTE MANIFEST

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

CWM

(Hazardous Waste Manifest 5/00)

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. | Manifest Doc. No. 00005

2. Page 1 of

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

GENERATOR

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804-1336

4. Generator's Telephone Number (516) 777-7242

A. NYB9793053

B. Generator's ID SAME

5. Transporter 1 (Company Name) Price Trucking Corp

6. US EPA ID Number MYD046765574

C. State Transporter's ID 225389 NY

D. Transporter's Telephone (716) 822-1414

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

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

10. US EPA ID Number NYD049836679

G. State Facility ID

H. Facility Telephone ( )
716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S,9,NA3077,III (Cadmium)	001	T	E37 44000	P	EPA D006 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. CW7897 c.
b. d.

K. Handling Codes for Wastes Listed Above
a. T c.
b. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract
SR# 692553 Certificate of disposal required

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

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Printed/Typed Name	Signature	Mo.	Day	Year
USACE ON BEHALF OF USEPA, STEWEN BIAN		09	03	03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Robert Haney	Robt a Haney	09	03	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Mo.	Day	Year

COPY 3-DISPOSER STATE—MAILED BY GENERATOR

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9793035

Please type or print. Do not staple.

HAZARDOUS WASTE MANIFEST

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

CWM

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. | Manifest Doc. No. 00096

2. Page 1 of

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

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804 1336

4. Generator's Telephone Number (516) 777-7242

A. NYB9793035

B. Generator's ID SAME

5. Transporter 1 (Company Name) PRICE TRUCKING

6. US EPA ID Number NYD046765574

C. State Transporter's ID 22588

D. Transporter's Telephone (800) 225-6001

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

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

10. US EPA ID Number NYD 0 8 8 8 8 6 6 7 0

G. State Facility ID

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S,9,NA3077,III (Cadmium)	001	DT	46100	P	EPA D006 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. CW7897 c.
b. d.

K. Handling Codes for Wastes Listed Above
a. T c.
b. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number: (800)424-9300 WMI Contract
SR# 692553 Certificate of disposal required

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

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Printed/Typed Name	Signature	Mo.	Day	Year
USACE ON BEHALF OF USEPA, SHEWEN BIAN		09	03	03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
KOKOU A TOSSAH		09	03	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Mo.	Day	Year

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

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

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

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

NYB9793026

Please type or print. Do not staple.

CWMI

(Hazardous Waste Manifest 5/00)

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NYD... Manifest Doc. No. 00098
2. Page 1 of 1

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

GENERATOR

3. Generator's Name and Mailing Address: CLAREMONT POLYCHEMICAL, 505 WINDING RD, OLD BETHPAGE NY 11804 1336
4. Generator's Telephone Number (516 877-7242

A. NYB9793026

B. Generator's ID: SAME

5. Transporter 1 (Company Name): Horwith Trs Inc
6. US EPA ID Number: PAD146714878

C. State Transporter's ID: KT-45062-

D. Transporter's Telephone: 610 261-2220

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

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address: CWM CHEMICAL SERVICES, L.L.C., 1550 BALMER RD., MODEL CITY NY 14107
10. US EPA ID Number: NYD049836679

G. State Facility ID

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S,9,NA3077,III (Cadmium)	001	DT	Est 46000	P	EPA D006 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above: a. CW7897 b. c. d.

K. Handling Codes for Wastes Listed Above: a. T b. c. d.

15. Special Handling Instructions and Additional Information: CHEMTREC Emergency Response Number (800)424-9300 WMI Contract SR# 692553 Certificate of disposal required

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

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Printed/Typed Name: USACE ON BEHALF OF USEPA, SHEWEN BIAN — Signature: [signature] — Mo. Day Year: 09 03 03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: George Vavro — Signature: [signature] — Mo. Day Year: 09 03 03

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

FACILITY

19. Discrepancy Indication Space

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

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

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

NYB9793044

Please type or print. Do not staple.

HAZARDOUS WASTE MANIFEST

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

CWMI

(Hazardous Waste Manifest 5/00)

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

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NYD000000000
Manifest Doc. No.: 00008
2. Page 1 of 1

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

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804 1336

4. Generator's Telephone Number (516 877-7242

A. NYB9793044

B. Generator's ID: SAME

5. Transporter 1 (Company Name): Horwith TRUCKS

6. US EPA ID Number: PAD146714878

C. State Transporter's ID: OT4076FA

D. Transporter's Telephone (610) 261 2220

7. Transporter 2 (Company Name):

8. US EPA ID Number:

E. State Transporter's ID

F. Transporter's Telephone ( )

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

10. US EPA ID Number: NYD049836679

G. State Facility ID

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S.9,NA3077,III (Cadmium)	001	DT	~~25T~~ 46000	P	EPA D006 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. CW7897
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. T
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract
SR# 692553 Certificate of disposal required

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Printed/Typed Name	Signature	Mo.	Day	Year
USACE ON BEHALF OF USEPA SHEWEU BIAN	[signature]	09	03	03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Charles Stecker	Charles R Stecker	09	03	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Mo.	Day	Year

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9793161
Please type or print. Do not staple.

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

CWMI

(Hazardous Waste Manifest 5/00)

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NYD049836679 Manifest Doc. No. 00097

2. Page 1 of 1

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

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804-1336
4. Generator's Telephone Number (516) 777 7242

A. NYB9793161
B. Generator's ID SAME

5. Transporter 1 (Company Name) Price Trucking Corp
6. US EPA ID Number NYD041616557
C. State Transporter's ID NY 225488
D. Transporter's Telephone (800) 825-6001

7. Transporter 2 (Company Name)
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
10. US EPA ID Number NYD049836679
G. State Facility ID
H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S,9,NA3077,III (Cadmium)	001	DT	4/6000P	P	EPA D006 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

GENERATOR

J. Additional Descriptions for Materials listed Above
a. CW7697 c.
b. d.

K. Handling Codes for Wastes Listed Above
a. T c.
b. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 CWM Contract
SR# 492553 Certificate of disposal required

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

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Printed/Typed Name	Signature	Mo.	Day	Year
ON BEHALF OF USEPA, SHIWEN BIAN		09	03	03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
James F West		09	03	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Mo.	Day	Year

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9793152

Please type or print. Do not staple.

HAZARDOUS WASTE MANIFEST

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

CWMI

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. | Manifest Doc. No.: 000 JC

2. Page 1 of

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

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804-1336

4. Generator's Telephone Number (516) 777-7242

A. NYB9793152

B. Generator's ID: SAME

5. Transporter 1 (Company Name): U.S. BULK TRANSPORT INC

6. US EPA ID Number: PAD987347515

C. State Transporter's ID: XW639644

D. Transporter's Telephone: 8886518182

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

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

10. US EPA ID Number: NYD049836679

G. State Facility ID

H. Facility Telephone ( ): 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9,NA3077,III (Cadmium)	001	DT	EST 46000	P	EPA D006 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. CW7897 c.
b. d.

K. Handling Codes for Wastes Listed Above
a. T c.
b. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract
SR# 692553 Certificate of disposal required

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

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GENERATOR

Printed/Typed Name	Signature	Mo.	Day	Year
ON BEHALF OF USEPA, SHEWEN BAN		09	03	03

17. Transporter 1 Acknowledgement of Receipt of Materials

TRANSPORTER

Printed/Typed Name	Signature	Mo.	Day	Year
KEVIN HICKS		09	03	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Mo.	Day	Year

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

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

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

NYB9793143
Please type or print. Do not staple.

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

CWM

(Hazardous Waste Manifest 5/00)

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

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. | Manifest Doc. No. 00011

2. Page 1 of

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

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804-1336

4. Generator's Telephone Number (516 777-7242

A. NYB9793143

B. Generator's ID
SAME

5. Transporter 1 (Company Name)
HOWITH TRUCKS INC.

6. US EPA ID Number
PAD141671418718

C. State Transporter's ID XY-23140 PA

D. Transporter's Telephone (800) 2202807

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

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

10. US EPA ID Number
NYD049836679

G. State Facility ID

H. Facility Telephone ( )
716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ. HAZARDOUS WASTE SOLID, N.O.S.,9,NA3077,III (Cadmium)	001	DT	46000	P	EPA D006 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. CW7897 c.
b. d.

K. Handling Codes for Wastes Listed Above
a. T c.
b. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number: (800)424-9300 WMI Contract
SR# 692553 Certificate of disposal required

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

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Printed/Typed Name	Signature	Mo.	Day	Year
USACE ON BEHALF OF USEPA, SHIEWEN PAN		09	03	03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
ARNOLD C REPH		09	03	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Mo.	Day	Year

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9793134

Please type or print. Do not staple.

HAZARDOUS WASTE MANIFEST

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

CWM

(Hazardous Waste Manifest 5/00)

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. | Manifest Doc. No.: 000112

2. Page 1 of

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

GENERATOR

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804 1336

4. Generator's Telephone Number (516) 777-7242

A. NYB9793134

B. Generator's ID: SAME

5. Transporter 1 (Company Name): Horvath Trucking

6. US EPA ID Number: PAD148617878

C. State Transporter's ID: XNJ16794 PA

D. Transporter's Telephone: (610) 261-2220

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

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

10. US EPA ID Number: NYD049836679

G. State Facility ID

H. Facility Telephone: 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S,9,NA3077,III (Cadmium)	001	T	EST 46000	P	EPA D006 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. CW7897 c.
b. d.

K. Handling Codes for Wastes Listed Above
a. T c.
b. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number: (800)424-9300 WMI Contract
SR# 122553 Certificate of disposal required

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

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Printed/Typed Name: USACE ON BEHALF OF USEPA, SHEWEN BIAN | Signature | Mo. 09 | Day 03 | Year 03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eric McDonald | Signature | Mo. 09 | Day 03 | Year 03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Mo. | Day | Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name | Signature | Mo. | Day | Year

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

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

NYB9793125
Please type or print. Do not staple.

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

CWM

(Hazardous Waste Manifest 5/00)

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. | Manifest Doc. No.: 900113

2. Page 1 of

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

GENERATOR

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804-1336

4. Generator's Telephone Number (516) 777-7242

A. NYB9793125

B. Generator's ID: SAME

5. Transporter 1 (Company Name): US BULK TRANSPORT INC

6. US EPA ID Number: PAD987347515

C. State Transporter's ID: AD65298 M1

D. Transporter's Telephone: (888) 651-8182

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

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

10. US EPA ID Number: NYD049836679

G. State Facility ID

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S,9,NA3077,III (Cadmium)	001	T	est. 66000	P	EPA D006 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. CW7897 c.
b. d.

K. Handling Codes for Wastes Listed Above
a. T c.
b. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract ERG-171
SR# 692553 Certificate of disposal required.

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

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Printed/Typed Name	Signature	Mo.	Day	Year
USACE ON BEHALF OF USEPA, SHEWEN BIAN		09	03	03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Kevin M. Hosey		09	03	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Mo.	Day	Year

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

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

NYB9793116
Please type or print. Do not staple.

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

CWM

(Hazardous Waste Manifest 5/00)

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. | Manifest Doc. No.: 000114

2. Page 1 of

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

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804 1336

4. Generator's Telephone Number (516 777-7292

A. NYB9793116

B. Generator's ID: SAME

5. Transporter 1 (Company Name): PRICE TRUCKING

6. US EPA ID Number: NYD047655574

C. State Transporter's ID: XSDZ430FA

D. Transporter's Telephone: 716 822-1475

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

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

10. US EPA ID Number: NYD049836679

G. State Facility ID

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S,9,NA3077,III (Cadmium)	001	DT	EST 49000	P	EPA D006 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. CW7897 c.
b. d.

K. Handling Codes for Wastes Listed Above
a. T c.
b. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract
SR# 692553 Certificate of disposal deposit required.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
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Printed/Typed Name	Signature	Mo.	Day	Year
USACE ON BEHALF OF USEPA, SHEWEN BIAN		10	31	03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
DANIEL K CROAK	Daniel K Croak	09	03	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Mo.	Day	Year

COPY 3-DISPOSER STATE – MAILED BY GENERATOR

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

NYB9793107

Please type or print. Do not staple.

HAZARDOUS WASTE MANIFEST

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

CWM

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NYD000000000 — Manifest Doc. No. 00015
2. Page 1 of 1

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

A. NYB9793107

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804-1336

B. Generator's ID: SAME

4. Generator's Telephone Number (516 777-7242

5. Transporter 1 (Company Name): PRICE TRUCKING
6. US EPA ID Number: NYD046765574
C. State Transporter's ID: 13287 NY
D. Transporter's Telephone: (716) 8221419

7. Transporter 2 (Company Name):
8. US EPA ID Number:
E. State Transporter's ID
F. Transporter's Telephone ( )

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

10. US EPA ID Number: NYD049836679

G. State Facility ID
H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S,9,NA3077,III (Cadmium)	001	DT	Est 48,000	P	EPA D006 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. CW7897 c.
b. d.

K. Handling Codes for Wastes Listed Above
a. T c.
b. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract
SR# 692553
Certificate of disposal required

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

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Printed/Typed Name: USACE ON BEHALF OF USEPA SHEWEN BIAN — Signature: [signature] — Mo. Day Year: 09 03 03

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: GEORGE ARNETH — Signature: [signature] — Mo. Day Year: 09 03 03

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

19. Discrepancy Indication Space

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

GENERATOR / TRANSPORTER / FACILITY

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

COPY 3 - DISPOSER STATE - MAILED BY GENERATOR

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9793098
Please type or print. Do not staple.

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

CWM

(Hazardous Waste Manifest 5/00)

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. | Manifest Doc. No. 000116

2. Page 1 of

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

GENERATOR

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804-1336

4. Generator's Telephone Number (516 777 7242

A. NYB9793098

B. Generator's ID SAME

5. Transporter 1 (Company Name) HORWITH TRUCKS INC

6. US EPA ID Number PAD146714978

C. State Transporter's ID

D. Transporter's Telephone (800)220-9807

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID AE-35641 PA

F. Transporter's Telephone ( )

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

10. US EPA ID Number NYD049836770

G. State Facility ID

H. Facility Telephone ( )
716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S,9,NA3077,III (Cadmium)	001	T	44,000	P	EPA D006 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. CW7897 c.
b. d.

K. Handling Codes for Wastes Listed Above
a. T c.
b. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract
SR# 691553 Certificate of disposal required.

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

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Printed/Typed Name	Signature	Mo.	Day	Year
USACE ON BEHALF OF USEPA, SHEWEN BIAN		09	03	03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
JAMES A. ROMAN	James A. Roman	09	03	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Mo.	Day	Year

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9793089
Please type or print. Do not staple.

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

CWM
(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. | Manifest Doc. No.: 99917 | 2. Page 1 of | Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804-1336

4. Generator's Telephone Number (516) 777-7242

A. NYB9793089

B. Generator's ID: SAME

5. Transporter 1 (Company Name): Horwith Trucks | 6. US EPA ID Number: PAD146714878

C. State Transporter's ID: XN10129

D. Transporter's Telephone: (800) 220807

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

E. State Transporter's ID

F. Transporter's Telephone ( )

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

10. US EPA ID Number: NYD049836679

G. State Facility ID

H. Facility Telephone ( ): 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S,9,NA3077,III (Cadmium)	001	DT	Est 46000	P	EPA D006 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. CW7897 c.
b. d.

K. Handling Codes for Wastes Listed Above
a. T c.
b. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number: (800)424-9300 WMI Contract
SR# 692553 Certificate of disposal required

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

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Printed/Typed Name	Signature	Mo.	Day	Year
USACE ON BEHALF OF USEPA, SHEWELL BIAN		09	03	03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Mike Powers		09	03	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Mo.	Day	Year

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

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

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9792954

Please type or print. Do not staple.

HAZARDOUS WASTE MANIFEST

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

CWM

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. | Manifest Doc. No. 000118 | 2. Page 1 of | Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804-1336
4. Generator's Telephone Number (516) 777-7242

A. NYB9792954
B. Generator's ID SAME

5. Transporter 1 (Company Name) HotWHs TRUCKS INC | 6. US EPA ID Number PAD146711878
C. State Transporter's ID XW49139[illegible]
D. Transporter's Telephone (610) 26[illegible]

7. Transporter 2 (Company Name) | 8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
10. US EPA ID Number NYD049836679
G. State Facility ID
H. Facility Telephone ( ) 716-754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S,9,NA3077,III (CADMIUM)	001	DM	EST 35000	P	EPA D006 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

GENERATOR

J. Additional Descriptions for Materials listed Above
a. CW7898 c.
b. d.

K. Handling Codes for Wastes Listed Above
a. L c.
b. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number: (800)424-9300 WMI Contract
SR# 692941 Certificate of disposal required

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

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Printed/Typed Name: USACE ON BEHALF OF USEPA, SHEWEN BIAN | Signature | Mo. 09 Day 04 Year 03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: John Reed | Signature: John Reed | Mo. 09 Day 04 Year 03

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

FACILITY

19. Discrepancy Indication Space

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

COPY 3-DISPOSER-STATE - MAILED BY GENERATOR

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

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9792873

Please type or print. Do not staple.

HAZARDOUS WASTE MANIFEST

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

CWM1

(Hazardous Waste Manifest 5/00)

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. | Manifest Doc. No. 00019

2. Page 1 of | Information within heavy bold line is not required by Federal Law.

GENERATOR

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804 1336

4. Generator's Telephone Number (516) 777-7242

A. NYB9792873

B. Generator's ID SAME

5. Transporter 1 (Company Name) Rico Trucking Corp.

6. US EPA ID Number NYD044765574

C. State Transporter's ID 853205 MF

D. Transporter's Telephone (716) 822-4444

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

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

10. US EPA ID Number NYD049836678

G. State Facility ID

H. Facility Telephone ( )
716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S,9,NA3077,III (CADMIUM)	001	CM	25,000	P	EPA D006 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. CW7898 c.
b. d.

K. Handling Codes for Wastes Listed Above
a. L c.
b. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract
SR# 692941 Certificate of disposal required

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

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Printed/Typed Name	Signature	Mo.	Day	Year
USACE ON BEHALF OF USEPA, SHEWEN BIAN		09	04	03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
IVAN ZIKAJ		09	04	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Mo.	Day	Year

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9792882
Please type or print. Do not staple.

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

CWM1
(Hazardous Waste Manifest 5/00)

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. | Manifest Doc. No.: 99924

2. Page 1 of

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

GENERATOR

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804 1336

A. NYB9792882

B. Generator's ID: SAME

4. Generator's Telephone Number (516) 777-7262

5. Transporter 1 (Company Name): Mic Trucking Co

6. US EPA ID Number: NYD096765574

C. State Transporter's ID: 085305 ME

D. Transporter's Telephone: (716) 822-1494

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

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

10. US EPA ID Number: NYD049836679

G. State Facility ID

H. Facility Telephone ( ): 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S,9,NA3077,III (CADMIUM)	001	CM	Est 2500 P		EPA D006 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. CW7898 c.
b. d.

K. Handling Codes for Wastes Listed Above
a. L c.
b. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract
SR# 692941 Certificate of disposal required.

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

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Printed/Typed Name	Signature	Mo.	Day	Year
ON BEHALF OF USEPA, SHEWEN BIAN		09	04	03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
NANCY		09	04	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Mo.	Day	Year

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

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

NYB9792891

Please type or print. Do not staple.

HAZARDOUS WASTE MANIFEST

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

CWM

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NYD049836679 Manifest Doc. No. 00021 2. Page 1 of 1

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

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 VINDING RD
OLD BETHPAGE NY 11804 1336

4. Generator's Telephone Number (516) 777-7242

A. NYB9792891

B. Generator's ID SAME

5. Transporter 1 (Company Name) PRICE TRUCKING CORP

6. US EPA ID Number NYD046765574

C. State Transporter's ID AC 97843 NY

D. Transporter's Telephone (716) 822-1414

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

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

10. US EPA ID Number NYD049836679

G. State Facility ID

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9,NA3077,III (CADMIUM)	001	CM	EST 15000	P	EPA D006 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. CW7898 c.
b. d.

K. Handling Codes for Wastes Listed Above
a. L c.
b. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract
SR# 692941 Certificate of disposal required

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

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Printed/Typed Name	Signature	Mo.	Day	Year
USACE ON BEHALF OF USEPA, SHEWEN BIAN		09	04	03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
PAVEL Zinkiv		09	04	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Mo.	Day	Year

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

GENERATOR

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

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

NYB9792909
Please type or print. Do not staple.

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

CWM1
(Hazardous Waste Manifest 5/00)

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. | Manifest Doc. No.: 99022
2. Page 1 of
Information within heavy bold line is not required by Federal Law.

GENERATOR

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804-1336
4. Generator's Telephone Number (516) 777-7242

A. NYB9792909
B. Generator's ID: SAME

5. Transporter 1 (Company Name): Horwith Trucks Inc
6. US EPA ID Number: PAD149714878
C. State Transporter's ID: PA PT5110D
D. Transporter's Telephone: (610)2612220

7. Transporter 2 (Company Name)
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
10. US EPA ID Number: NYD049836979
G. State Facility ID
H. Facility Telephone ( ): 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9,NA3077,III (CADMIUM)	001	CM	EST 20000	P	EPA D006 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. CW7898 c.
b. d.

K. Handling Codes for Wastes Listed Above
a. L c.
b. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract
SR# 692941 Certificate of disposal required

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Printed/Typed Name	Signature	Mo.	Day	Year
ON BEHALF OF USEPA SHEWEN BIAN USACE		09	04	03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
RAymond S Bear	Raymond S Bear	09	04	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Mo.	Day	Year

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

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

NYB9792918

Please type or print. Do not staple.

HAZARDOUS WASTE MANIFEST

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

CWMI

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NYD [illegible] — Manifest Doc. No.: 00013
2. Page 1 of 1

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

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804-1336

4. Generator's Telephone Number (516)777-7242

A. NYB9792918

B. Generator's ID: SAME

5. Transporter 1 (Company Name): Horwith Trucks Inc
6. US EPA ID Number: PAD146714878
7. Transporter 2 (Company Name):
8. US EPA ID Number:

C. State Transporter's ID: XT40231 PA
D. Transporter's Telephone (610) 2612220
E. State Transporter's ID
F. Transporter's Telephone ( )

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

10. US EPA ID Number: NYD049836679

G. State Facility ID
H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S,9,NA3077,III (CADMIUM)	001	CM	EST 18000	P	EPA D006 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. CW7898
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. L
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract
SR# 692941 Certificate of disposal required

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

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Printed/Typed Name: USACE ON BEHALF OF USEPA, SHEWEN BIAN — Signature: [signature] — Mo. Day Year: 09 04 03

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Bill Cassium — Signature: [signature] — Mo. Day Year: 09 04 03

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

19. Discrepancy Indication Space

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

GENERATOR / TRANSPORTER / FACILITY

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

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

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

HAZARDOUS WASTE MANIFEST

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

NYB9792927

Please type or print. Do not staple.

CWM

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NYD000000000 — Manifest Doc. No.: 00024
2. Page 1 of

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

A. NYB9792927

3. Generator's Name and Mailing Address:
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804-1336

B. Generator's ID: SAME

4. Generator's Telephone Number: (516 777-7242

5. Transporter 1 (Company Name): Horwith TRK Inc
6. US EPA ID Number: PAD146714979

C. State Transporter's ID: XS83701 PA
D. Transporter's Telephone: ( ) 610 261-2220

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

E. State Transporter's ID
F. Transporter's Telephone ( )

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

10. US EPA ID Number: NYD049836679

G. State Facility ID
H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S,9,NA3077,III (CADMIUM)	001	CM	EST 30000	P	EPA D006 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. CW7898
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. L
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract
SR# 692941 Certificate of disposal required

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Printed/Typed Name: USACE on behalf of USEPA Shewen Bian — Signature: [signature] — Mo. Day Year: 09 04 03

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jerry L. Andrews — Signature: [signature] — Mo. Day Year: 09 04 03

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

19. Discrepancy Indication Space

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

GENERATOR / TRANSPORTER / FACILITY

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

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9792936

Please type or print. Do not staple.

HAZARDOUS WASTE MANIFEST

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

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. | Manifest Doc. No. 00025

2. Page 1 of

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

3. Generator's Name and Mailing Address
CLAREMONT POLYCHEMICAL
505 WINDING RD
OLD BETHPAGE NY 11804-1336

4. Generator's Telephone Number (516) 777-7242

A. NYB9792936

B. Generator's ID
SAME

5. Transporter 1 (Company Name) BUFFALO FUEL CORP

6. US EPA ID Number NYR000045724

C. State Transporter's ID AD25064 NY

D. Transporter's Telephone (800) 6778003

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

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

10. US EPA ID Number NYD049836679

G. State Facility ID

H. Facility Telephone ( )
716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S,9,NA3077,III (CADMIUM)	001	M	EST 15000 P		EPA D006 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. CW7898 c.
b. d.

K. Handling Codes for Wastes Listed Above
a. L c.
b. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract
SR# 692941 Certificate of disposal required.

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

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

Printed/Typed Name	Signature	Mo.	Day	Year
USACE ON BEHALF OF USEPA, STEWART BWN		09	04	03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
KEN WASKIEWICZ	Ken Waskiewicz	09	04	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Mo.	Day	Year

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

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

CERTIFICATES OF DISPOSAL

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/04/03 as described on Hazardous Waste Manifest number NYB9793134 Sequence number 01.

Profile Number: CW7897
CWM Tracking ID: 8157674001
CWM Unit #: 1*0
Disposal Date: 09/04/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253137
09/05/03

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

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/04/03 as described on Hazardous Waste Manifest number NYB9793089 Sequence number 01.

Profile Number: CW7897
CWM Tracking ID: 8157674101
CWM Unit #: 1*0
Disposal Date: 09/04/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253138
09/05/03

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

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/04/03 as described on Hazardous Waste Manifest number NYB9793098 Sequence number 01.

Profile Number: CW7897
CWM Tracking ID: 8157673901
CWM Unit #: 1*0
Disposal Date: 09/04/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253136
09/05/03

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

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
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CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/04/03 as described on Hazardous Waste Manifest number NYB9793116 Sequence number 01.

Profile Number: CW7897
CWM Tracking ID: 8157670901
CWM Unit #: 1*0
Disposal Date: 09/04/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253060
09/04/03

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

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/04/03 as described on Hazardous Waste Manifest number NYB9793053 Sequence number 01.

Profile Number: CW7897
CWM Tracking ID: 8157671801
CWM Unit #: 1*0
Disposal Date: 09/04/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253063
09/04/03

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

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/02/03 as described on Hazardous Waste Manifest number NYB9793017 Sequence number 01.

Profile Number: CW7897
CWM Tracking ID: 8157657701
CWM Unit #: 1*0
Disposal Date: 09/04/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253106
09/05/03

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

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/02/03 as described on Hazardous Waste Manifest number NYB9793008 Sequence number 01.

Profile Number: CW7897
CWM Tracking ID: 8157657901
CWM Unit #: 1*0
Disposal Date: 09/04/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253107
09/05/03

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

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/02/03 as described on Hazardous Waste Manifest number NYB9792999 Sequence number 01.

Profile Number: CW7897
CWM Tracking ID: 8157659601
CWM Unit #: 1*0
Disposal Date: 09/04/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253110
09/05/03

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

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/04/03 as described on Hazardous Waste Manifest number NYB9793161 Sequence number 01.

Profile Number: CW7897
CWM Tracking ID: 8157668401
CWM Unit #: 1*0
Disposal Date: 09/04/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253045
09/04/03

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

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/04/03 as described on Hazardous Waste Manifest number NYB9793026 Sequence number 01.

Profile Number: CW7897
CWM Tracking ID: 8157668701
CWM Unit #: 1*0
Disposal Date: 09/04/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253047
09/04/03

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

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/04/03 as described on Hazardous Waste Manifest number NYB9793044 Sequence number 01.

Profile Number: CW7897
CWM Tracking ID: 8157668901
CWM Unit #: 1*0
Disposal Date: 09/04/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253048
09/04/03

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

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/04/03 as described on Hazardous Waste Manifest number NYB9793035 Sequence number 01.

Profile Number: CW7897
CWM Tracking ID: 8157669001
CWM Unit #: 1*0
Disposal Date: 09/04/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253049
09/04/03

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

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/04/03 as described on Hazardous Waste Manifest number NYB9793125 Sequence number 01.

Profile Number: CW7897
CWM Tracking ID: 8157669101
CWM Unit #: 1*0
Disposal Date: 09/04/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253050
09/04/03

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

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/04/03 as described on Hazardous Waste Manifest number NYB9793152 Sequence number 01.

Profile Number: CW7897
CWM Tracking ID: 8157669301
CWM Unit #: 1*0
Disposal Date: 09/04/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253051
09/04/03

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

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/04/03 as described on Hazardous Waste Manifest number NYB9793143 Sequence number 01.

Profile Number: CW7897
CWM Tracking ID: 8157669701
CWM Unit #: 1*0
Disposal Date: 09/04/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253052
09/04/03

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

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/04/03 as described on Hazardous Waste Manifest number NYB9793062 Sequence number 01.

Profile Number: CW7897
CWM Tracking ID: 8157669901
CWM Unit #: 1*0
Disposal Date: 09/04/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253053
09/04/03

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

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
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CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/04/03 as described on Hazardous Waste Manifest number NYB9793107 Sequence number 01.

Profile Number: CW7897
CWM Tracking ID: 8157670401
CWM Unit #: 1*0
Disposal Date: 09/04/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253057
09/04/03

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

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/08/03 as described on Hazardous Waste Manifest number NYB9792954 Sequence number 01.

Profile Number: CW7898
CWM Tracking ID: 8157681501
CWM Unit #: 1*0
Disposal Date: 09/08/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253218
09/09/03

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

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/15/03 as described on Hazardous Waste Manifest number NYB9792873 Sequence number 01.

Profile Number: CW7898
CWM Tracking ID: 8157703701
CWM Unit #: 1*0
Disposal Date: 09/15/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253572
09/15/03

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

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/15/03 as described on Hazardous Waste Manifest number NYB9792882 Sequence number 01.

Profile Number: CW7898
CWM Tracking ID: 8157702901
CWM Unit #: 1*0
Disposal Date: 09/15/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253564
09/15/03

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

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/08/03 as described on Hazardous Waste Manifest number NYB9792891 Sequence number 01.

Profile Number: CW7898
CWM Tracking ID: 8157680201
CWM Unit #: 1*0
Disposal Date: 09/08/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253207
09/09/03

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

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
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(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/05/03 as described on Hazardous Waste Manifest number NYB9792909 Sequence number 01.

Profile Number: CW7898
CWM Tracking ID: 8157677001
CWM Unit #: 1*0
Disposal Date: 09/05/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253180
09/09/03

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

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/05/03 as described on Hazardous Waste Manifest number NYB9792918 Sequence number 01.

Profile Number: CW7898
CWM Tracking ID: 8157676601
CWM Unit #: 1*0
Disposal Date: 09/05/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253176
09/09/03

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

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/05/03 as described on Hazardous Waste Manifest number NYB9792927 Sequence number 01.

Profile Number: CW7898
CWM Tracking ID: 8157676801
CWM Unit #: 1*0
Disposal Date: 09/05/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253178
09/09/03

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

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
PO Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

Federal EPA ID: NYD049836679

CLAREMONT POLYCHEMICAL
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002044584
505 WINDING RD
OLD BETHPAGE NY 11804-1336

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from CLAREMONT POLYCHEMICAL on 09/05/03 as described on Hazardous Waste Manifest number NYB9792936 Sequence number 01.

Profile Number: CW7898
CWM Tracking ID: 8157675501
CWM Unit #: 1*0
Disposal Date: 09/05/03

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

RICHARD STURGES
DIVISION MANAGER
Certificate # 253168
09/09/03

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

APPENDIX J

RW-01 Well Abandonment Report

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

County NASSAU

Well Number N-8968D

COMPLETION REPORT—LONG ISLAND WELL

OWNER U.S.A.C.E. - Federal Bldg.

ADDRESS 601 E. 12th St. KANSAS City, MO 64106-2896

LOCATION OF WELL 575' East of Winding Rd, Old Bethpage, NY

*LOG
Ground Surface
EL. _____ ft. above sea
_____ ft.

DEPTH OF WELL BELOW SURFACE 150' - originally 248?

DEPTH TO GROUNDWATER FROM SURFACE 61'

TOP OF WELL

CASINGS

DIAMETER	8 in.	ABANDON in.	WELL in.
LENGTH	ft.	ft.	ft. ft.

SEALING cement Grout to surface

CASINGS REMOVED weld plate

SCREENS

MAKE		OPENINGS	
DIAMETER	8" in.	in.	in. in.
LENGTH	50' ft.	ft.	ft. ft.

~~DEPTH TO TOP FROM TOP OF CASING~~ Filled with gravel

PUMPING TEST

DATE

TEST OR PERMANENT PUMP?

DURATION OF TEST days hours

MAXIMUM DISCHARGE gallons per min.

STATIC LEVEL PRIOR TO TEST ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING in. below top of casing

MAXIMUM DRAWDOWN ft.

Approximate time of return to normal level after cessation of pumping hours min.

PUMP INSTALLED

TYPE	MAKE	MODEL NUMBER
MOTIVE POWER	MAKE	H.P.

CAPACITY g.p.m. against ft. of discharge head

NUMBER OF BOWLS OR STAGES ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING ☐ rotary ☐ cable tool ☐ other _____

USE OF WATER

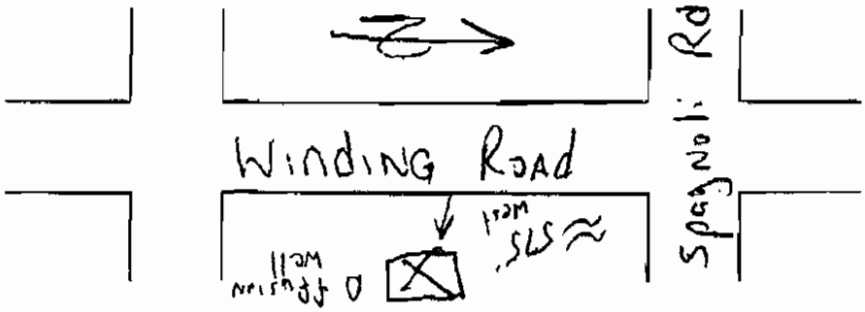
WORK STARTED 8/21/03 COMPLETED 8/25/03

DATE 8/28/03 DRILLER LAYNE Christensen Company REGISTRATION NO. [redacted]

* NOTE: Show log of well materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See instructions as to Well Driller's Registration and Reports.

ORIGINAL—Environmental Conservation Copy

SKETCH OF LOCATION



Locate well with respect to at least two streets or roads, showing distance from corner and front of lot.

Show North Point

CHECK THE TOWN IN WHICH THE PROJECT IS LOCATED:

Nassau County:

- ☐ Hempstead
- ☐ North Hempstead
- ☒ Oyster Bay

Suffolk County:

- ☐ Babylon
- ☐ Brookhaven
- ☐ East Hampton
- ☐ Huntington
- ☐ Islip
- ☐ Riverhead
- ☐ Shelter Island
- ☐ Smithtown
- ☐ Southampton
- ☐ Southold

APPENDIX K

Deep Well Borehole Geophysical Survey Results

Geophysical Services
Harrisburg, Pennsylvania
(800) 944-6778
An Employee-Owned Company www.quality-geophysics.com

September 5, 2003

Richard Cronce, PhD
Science Applications International Corporation
6310 Allentown Boulevard
Harrisburg, PA 17112

Re: Borehole Geophysical Survey Results
Claremont Superfund Site in Old Bethpage, New York
SAIC Project 01-1030-04-5386-913

Dear Dick,

Science Applications International Corporation (SAIC) has completed the borehole geophysical investigation of a well located at Claremont Superfund Site in Old Bethpage, New York. This borehole investigation was undertaken to establish some basic borehole information about this well. The survey was recorded, processed, interpreted and reported by personnel from SAIC's Center of Geophysical Excellence located in Harrisburg, Pennsylvania.

Information on the well was provided by Mr. Mike Flaherty, Nassau County Hydrogeologist, who visited during well logging operations. Mr. Flaherty indicated the well was installed in 1966 and produced 450 gallons per minute. Historical information suggests there are 30-feet of 10-inch stainless steel well screen in the well, and 12-inch black casing to the well pit. The well is reportedly constructed in unconsolidated Magothy formation materials.

INTRODUCTION

The main objective of borehole geophysics is to obtain more information about the subsurface than can be obtained from drilling, sampling, and testing alone. A well or test boring provides access to the subsurface where many different kinds of physical measurements can be performed and additional data acquired regarding site conditions.

Borehole geophysical logs provide a continuous record of in-situ properties of soil and rocks, contained fluids, and well construction. Logs may be interpreted in terms of lithology, thickness, continuity of aquifers and confining beds; permeability, porosity, bulk density, resistivity, moisture content and specific yield; and the source, movement, chemical and physical characteristics of groundwater and the integrity of well construction. Log data are repeatable over long periods and comparable even when measured with different equipment. Repeatability and comparability provide the basis for measuring changes in groundwater system with time.

Borehole geophysical tools frequently investigate a volume of rock that may be many times larger than the core or cuttings that may have been extracted from the borehole. Samples provide point data for laboratory analysis. In contrast, borehole logs are usually continuous data and can be analyzed in a quantitative fashion. Unlike descriptive logs written by a driller or geologist, which are limited by the author's experience and purpose and are

highly subjective, geophysical logs may provide information on characteristics not recognized at the time of logging.

BASIC LOGGING PRINCIPALS

Temperature Logging

Temperature probes used in groundwater and environmental studies employ a glass-bead thermistor, solid state IC device or platinum sensor mounted in a tube that is open at both ends to protect it from damage and to channel water flow past the sensor. Two general types of temperature log are in common use. The standard log is a record of temperature versus depth, while the differential temperature log is a record of the rate of change in temperature versus depth. The differential temperature log can afford greater sensitivity in locating changes in thermal gradient. The differential log has no scale, and log deflections indicate changes from a reference gradient.

Temperature logs can provide useful information on the movement of groundwater through a well, including location of depth intervals that produce or accept water. Therefore, the temperature log can be used to provide indirect information related to permeability. Although the temperature sensor responds to water or air in the immediate vicinity, recorded temperatures may indicate that temperature of adjacent rocks and their contained fluids if no flow exists in the well. Typically, the temperature will gradually increase with depth as a function of the geothermal gradient. Typical geothermal gradients range between 0.47 and 0.6 degrees C for 30-meter depth. These changes are related to the thermal conductivity or resistivity of the rocks adjacent to the borehole and the heat flow from below. The geothermal gradient may be steeper in rocks with lower intrinsic permeability than in rocks with high intrinsic permeability. The most accurate temperature log is made before any other log, and is recorded while moving slowly down the hole. Groundwater convection is a major problem with the interpretation of temperature logs, particularly in larger diameter wells and in areas of high thermal gradient.

Examination of changes measured by the temperature log permit identification of groundwater influx zones that alter the thermal equilibrium in an undisturbed well. Otherwise fundamental trends in temperature can be used as indicators of aquifer boundaries.

Caliper Logging

Caliper logs provide a continuous record of borehole diameter and are used widely for groundwater applications. Caliper logs are essential to guide the interpretation of other logs that are affected by changes in well diameter. The most common type of caliper probe has three arms, approximately the diameter of a pencil spaced 120 degrees apart. Typical water-well caliper employs arms that are connected to a linear potentiometer so changes in resistance are transmitted to the surface as voltage changes which are proportional to the average borehole diameter.

Changes in borehole diameter may be related to both drilling technique and lithology. Caliper logs are also useful in providing information on well construction, lithology, and secondary porosity such as fracture and solution openings. Differences in borehole diameter are related to drilling techniques and lithology and structure of rocks penetrated. The shallower part of a hole is usually a larger diameter than the deeper part, because it has been exposed to more drilling activities. Caliper logs can provide information on lithology and secondary porosity. Hard rocks such as limestone will show on the log as smaller diameter than adjacent shale's. Shale's may even produce an irregular caliper trace caused by thin bedding. Secondary porosity such as fractures and solution openings may be obvious on a caliper log, although the character will not be uniquely defined, as it would be on other log types. Couplings, welds, and screens may be identified and located on high-resolution caliper logs.

Spontaneous Potential

Spontaneous potential (SP) is one of the oldest logging techniques. Typical SP equipment consists of an electrode in the well connected through a milli-volt meter or comparatively sensitive recorder to a second electrode grounded at the surface. SP is a function of the chemical activities of fluids in the borehole and adjacent rock, the temperature, and type and amount of clay present. SP is not directly related to porosity and permeability. The chief sources of SP in a drill hole are electric chemical, electrokinetic, or streaming potentials, and redox effects. Streaming potentials are caused by the movement of electrolyte through permeable media. Within a borehole the other SP sources can be related to liquid junction potentials (two electrolytes with different concentrations or ions come into contact) or shale potentials associated with ionic diffusion. The volume of investigation of an SP sonde is highly variable, because it depends upon the resistivity and cross sectional area of beds intersected by the borehole.

SP logs have been used widely for determining lithology, bed thickness, and the salinity of formation water. Lithologic contacts are located on SP logs at the point of curve inflection, where current density is at a maximum. The chief limitation to SP logs in groundwater studies has been the wide range of response characteristics in freshwater environments. When response is typical, a line can be drawn through the positive SP-curve values recorded in shale beds, and a parallel line may be drawn through negative values that represent intervals of clean sand. Maximum positive SP deflections represent intervals of fine-grained material, mostly clay and silt, while the maximum negative SP deflections represent coarser sediments.

Single Point Resistance

The single point resistance log has been one of the most widely used in non-petroleum logging and remains useful despite the increased application of more sophisticated techniques. Single point logs cannot be used for quantitative interpretation, but they are excellent for lithologic information. The resistance of any medium depends not only on the formation composition but also on the cross-sectional area and length of the path through that medium. Single point resistance systems measure the resistance, in ohms, between an electrode in the well and an electrode at the surface. Because no provision exists for determining the length or cross-sectional area of the travel path of the current, the measurement is not an intrinsic characteristic of the material between the electrodes. Therefore, single point resistance logs cannot be related quantitatively to porosity or to the salinity of water in the pore spaces, even though these two parameters do control the flow of electric current.

Single point resistance logs are useful for obtaining information on lithology, and interpretation is normally straightforward. Single point logs deflect in response to the resistivity of materials adjacent to the electrode in the well, regardless of bed thickness. Therefore, single point resistance logs have very high vertical resolution.

Knowing the dimensions of the electrode on the sonde, the bulk or average resistivity of the medium surrounding the electrode can be calculated following the methods described in Geophysical Logging for Mineral and Engineering Applications (Hallenburg 1984).

Gamma Logging

Gamma logs, also called gamma-ray logs or natural-gamma logs, are the most widely used borehole nuclear measurements. The most common uses are for the identification of lithology and stratigraphic correlation. Gamma logs provide a record of total gamma radiation detection in a borehole and are useful over a wide variety of borehole conditions. The volume of material investigated by a gamma probe is related to the energy of the radiation measured, the density of the material through which radiation must pass, and the design of the probe. Under most conditions, 90 percent of the gamma radiation detected is believed to originate from material within 6 to 12 inches of the borehole wall.

In rocks that are not contaminated by artificial radioisotopes, the most significant naturally occurring gamma-emitting radioisotopes are Potassium-40 and products of the Uranium- and Thorium-decay series. If gamma-emitting artificial radioisotopes have been introduced by man into the groundwater system, they will produce part of the radiation measurement, but cannot be discretely identified unless gamma spectral-logging equipment is used. Gamma logs are typically used to interpret the presence of clays. Some clay is naturally rich in potassium, while uranium and thorium are concentrated in clay by processes of absorption and ion exchange. Coal, limestone, and dolomite are usually less radioactive than shale; however, all of these rocks can contain deposits of uranium, which can be quite radioactive. Basic igneous rocks usually are less radioactive than silicic igneous rocks, but exceptions are known.

The gamma log may be used to calculate an estimated shale volume following procedures outlined in Basic Well Log Analysis for Geologists (Asquith 1982), which is based upon published Dresser Atlas (1979) and Schlumberger (1974) equations.

FIELD PROCEDURES

Borehole geophysical logging consists of three principal components, the sonde, the draw works, and the control system. The logging probe, also called a sonde or tool, contains the sensor and electronics for transmitting and receiving signals as well as power supplies. The sonde is the portion of the equipment that is lowered down the borehole and conducts the in-well or boring measurements.

The logging cable routinely carries signals to and from the sonde and supports the weight of the sonde. The draw works move the cable and probe, up and down the borehole and provide the connection with surface controls. The depth measurement system is commonly incorporated into the draw works of the borehole geophysical system. Typically, the logging activities are referenced to the place where the cable head connects to the sonde at an established surface datum. Datum is typically top of casing or ground level, as established by the on-site personnel.

Surface controls typically include a computer program for communication with the sonde and digital recording of all data. A hard copy device (printer) is frequently used to provide a field copy of the data in the field.

Typically, video or temperature logs are the first performed in a borehole and measured traversing down the well. These tools require a relatively undisturbed borehole for best measurements.

DATA COLLECTION AND PRESENTATION

SAIC collected the data on September 2 and 3, 2003 from ground surface to a depth of 330 feet using a Mount Sopris Model MGX II portable borehole logging system. This unit is capable of logging boreholes up to 1,000 feet deep, using a hand crank winch. The data was recorded digitally onto a portable computer for field verification and quality assurance. During data collection, information recorded included temperature, caliper, single point resistance, spontaneous potential and natural gamma-radiation measurements. A copy of the well log is attached.

The following fundamental well characteristics were found. The top of casing for the well was measured to be 8.3 feet below ground surface (BGS). The water table is located approximately 71 feet BGS based on the response in the temperature log. The well casing is measured to be approximately 14.5-inches in diameter and continues to a depth of 63 feet. Casing joints are interpreted at 28 and 49 feet BGS.

The temperature log is interpreted to show no specific significant water bearing zones. Processing of this log included a filter to reduce the noise for presentation purposes. Subtle temperature gradient changes are present that indicate the aquifer can be broken into several segments. Typical cooling of water is present to a depth of approximately 160 ft BGS. At 160 feet, a change in water temperature gradient occurs which can be interpreted to represent a change in aquifer characteristics. A second change in gradient occurs at approximately 245 feet BGS which can be interpreted to indicate a second change in aquifer characteristics.

Interpretation of the caliper log indicates no significant fractures, consistent with a screened well. The borehole walls are irregular and there are a number of places where the well diameter decreases slightly suggesting screens present are experiencing fowling. The caliper log is on the same sonde as the temperature log. As such, the sonde measures temperature going down the borehole. At the bottom of the borehole, the caliper arms are opened to make the measurements. In the lower portion of the borehole (300 to 329 feet BGS), the caliper arms were constrained to approximately 3-inches diameter. Examination of the sonde at the conclusion of logging indicated a slight odor, and the presence of black organic material, which suggests a 30-foot "muck" in the bottom of the well.

Natural gamma measurements were corrected for water factor associated with attenuation in larger diameter boreholes. The corrected measurements were converted to standard American Petroleum Institute (API) counts and smoothed with a 5-point filter for visual presentation. The overall response of the natural gamma log suggests significant amounts of relatively clean sand are intercepted by this borehole. Increased clay or silt is present at 145 and 158 feet BGS. This second feature is coincident with a change in temperature gradient and may represent a slight decrease in aquifer permeability associated with this feature. A very slight increase in natural gamma occurs from 300 feet to total depth within the well, consistent with the "muck" zone at the base of the well.

Spontaneous potential (SP) indicates an increase in current flow in the zone from 240 to 260 feet BGS. This is consistent with the temperature gradient which is present at 245 feet. A positive SP response in the absence of shale would indicate aquifer fluids with fewer ions present within the formation water. Taken together, the zone from 240 to 260 feet can be interpreted to be a significant water bearing component to the deeper portion of the aquifer. A significant change in SP response occurs in the deepest part of the borehole consistent with the "muck" layer. The negative SP response and the lack of significant gamma change suggests the change is substantially related to the "muck" material and can be interpreted to indicate a change to a material that has fewer free ions present.

The resistivity response for this borehole is subdued supporting the historical information that a well screen is present. The resistivity response ranges from 690 to 700 ohm-meters below the water table, which is a remarkably consistent resistance over this length of borehole. Since the measurement was made with a single point resistance tool, in a borehole of this diameter, the dominant response will be related to the borehole fluids. A slight increase in resistivity from the water table to 165 feet is consistent with the upper portion of the aquifer identified on the temperature log. A similar slight increase in resistivity at the bottom of the borehole is consistent with the "muck" zone.

SURVEY LIMITATIONS

The borehole geophysical investigation was completed using standard and routinely accepted practices of the geophysical industry. It is necessary to recognize that site-specific conditions may obscure some features of interest. The approach utilized was designed to reduce the likelihood of unidentified features. SAIC does not accept responsibility for survey limitations or unforeseen site-specific conditions, or inherent limitations of the method. The user of the information should acknowledge that the geophysical techniques used evaluate the subsurface conditions near the borehole. Extrapolation of this information beyond the immediate area of the

borehole may result in misleading or an incorrect estimation of subsurface conditions due to natural subsurface variations.

SUMMARY

Based upon the interpretation of the data collected and onsite observations made while performing the survey, several conclusions can be made regarding this well. These conclusions include:

1. Geophysical measurements of this borehole indicate three separate aquifer zones are intercepted by this well. The separation of these zones is caused by slight variations in fine grained materials.

2. No significant clay layers that would form an aquitard were interpreted present.

3. Observations of the sondes following logging and data interpretation indicate a "muck zone is present in the lower 30-feet of this well, and odors suggest environmental contamination may be present.

Science Applications International Corporation Center of Geophysical Excellence appreciates the opportunity to perform these borehole geophysical services. If you have any questions, comments or require any further information, please feel free to contact us your convenience.

Respectfully submitted,
SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

Richard A. Hoover

Rick Hoover, P.G.
Senior Geophysicist, Project Director

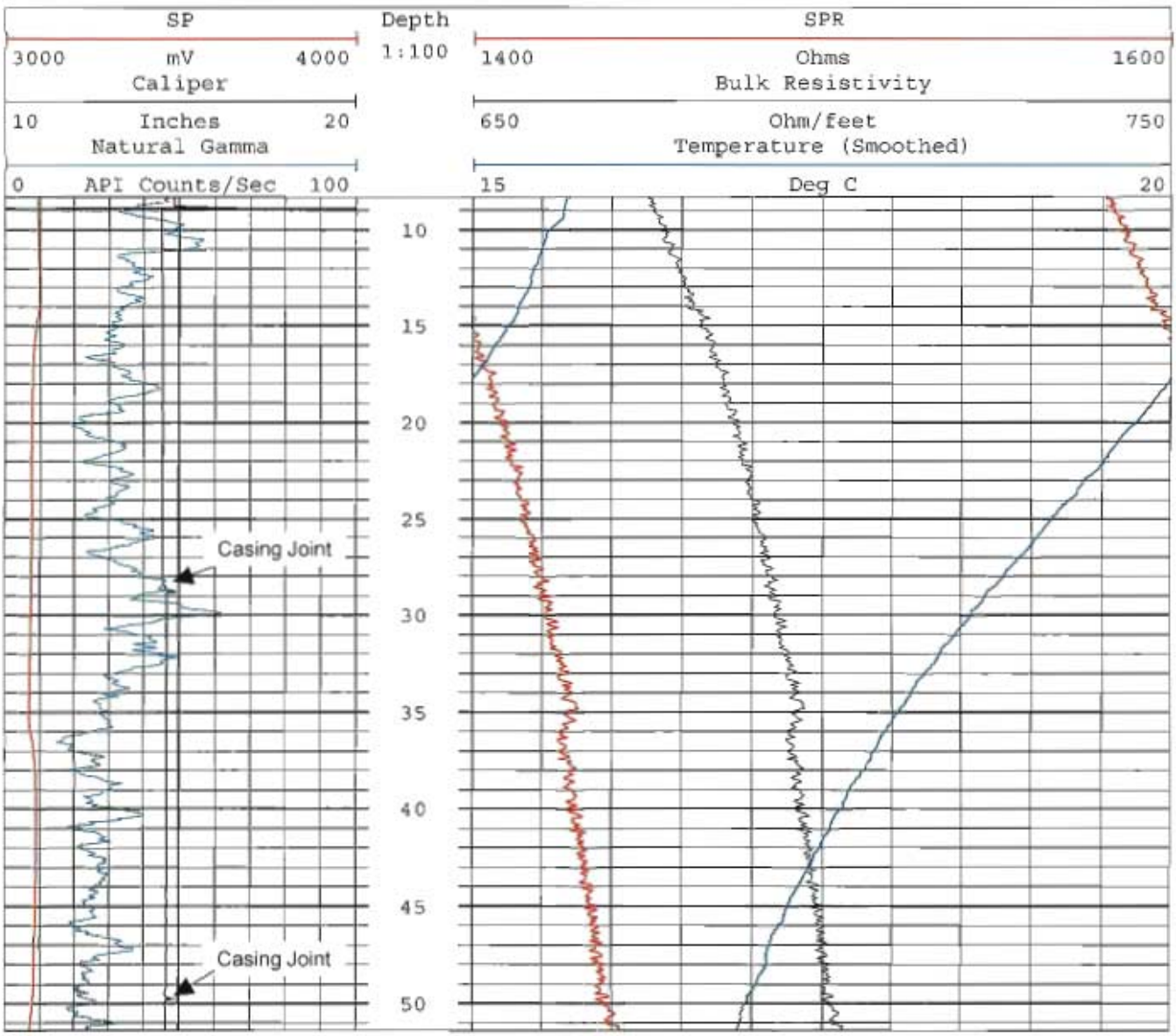
RAH:rh
Attachment

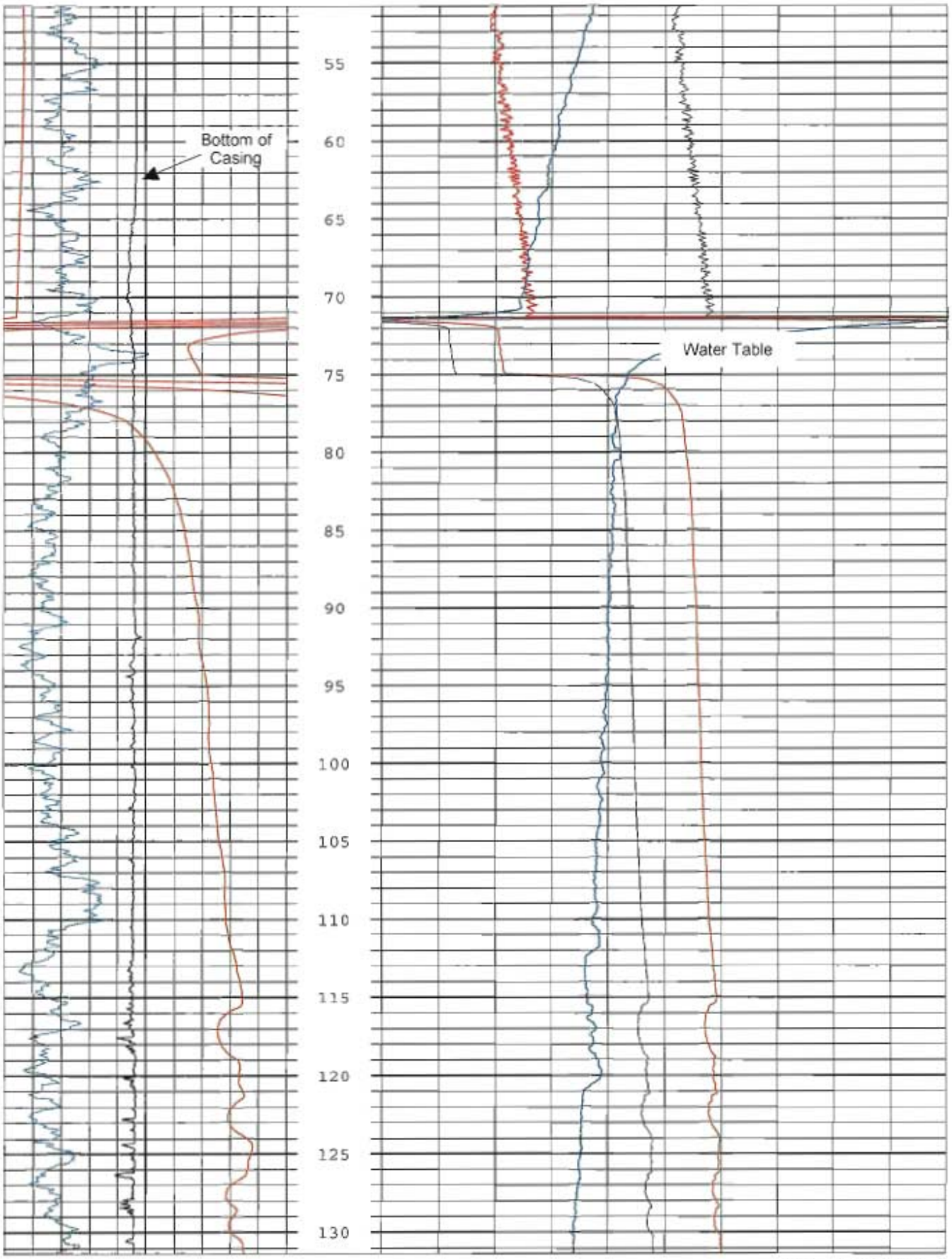
CC: Contracts

H:\JOBS\Claremont\Debris Removal\Pit and Well Closure\Geophysical Survey\Report.DOC

Geophysical Services
Harrisburg, Pennsylvania
(800) 944-6778
An Employee-Owned Company
www.quality-geophysics.com

CLIENT U.S. Army Corps of Engineers	LOG MEAS FROM Ground Surface ELEVATION
WELL Claremont Deep Well	BTM LOGGED INTERVAL 330 ft BGS TOP LOGGED INTERVAL 3 ft BGS
SITE Claremont Petrochemical Site	TYPE FLUID IN HOLE Groundwater LEVEL 71 4 ft BGS
CITY Old Bethpage	
STATE New York	
RECORDED BY Rick Hoover WITNESSED BY DATE 2 September, 2003	BOREHOLE RECORDBIT Unknown CASING RECORD SIZE Unknown WGT. Unknown

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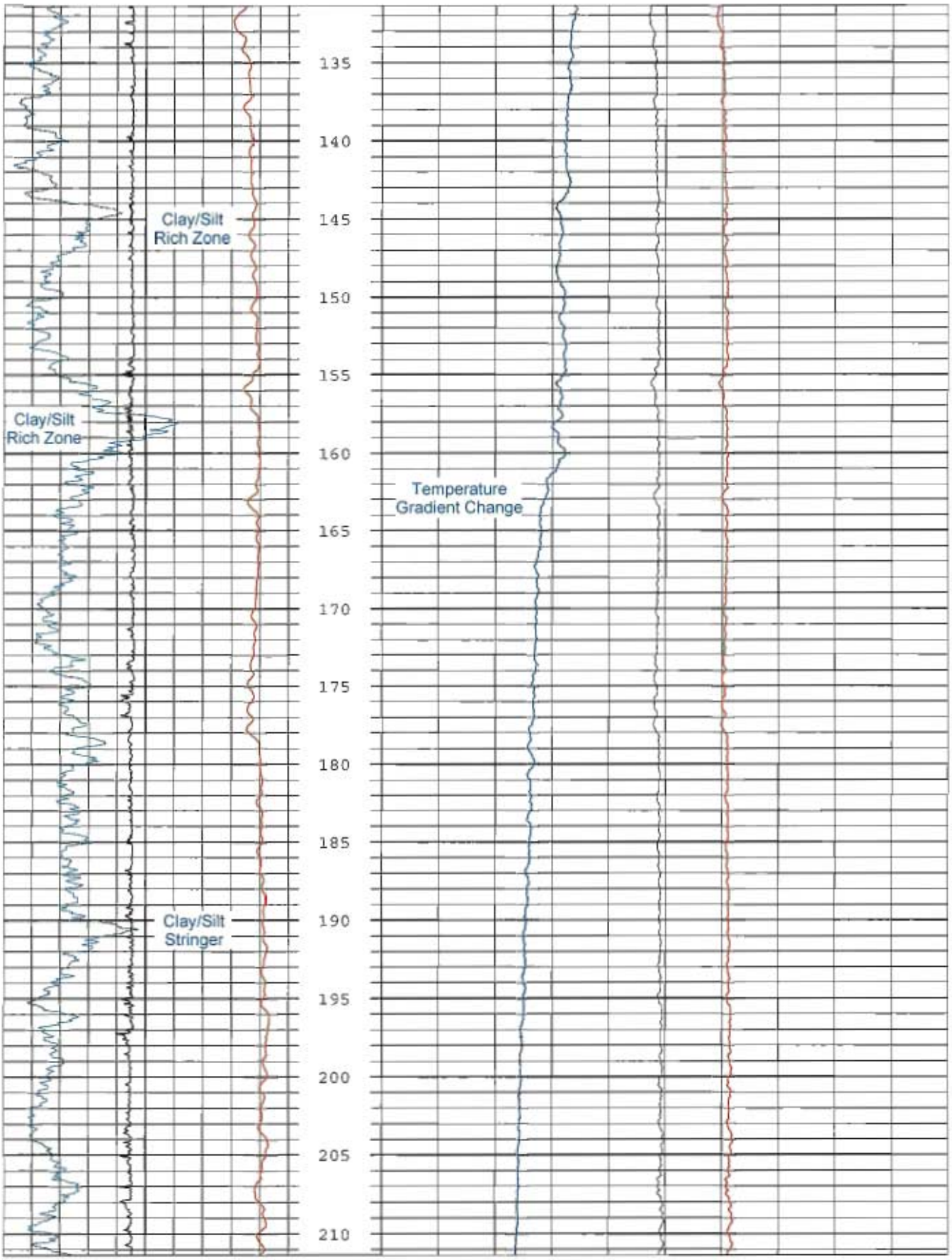
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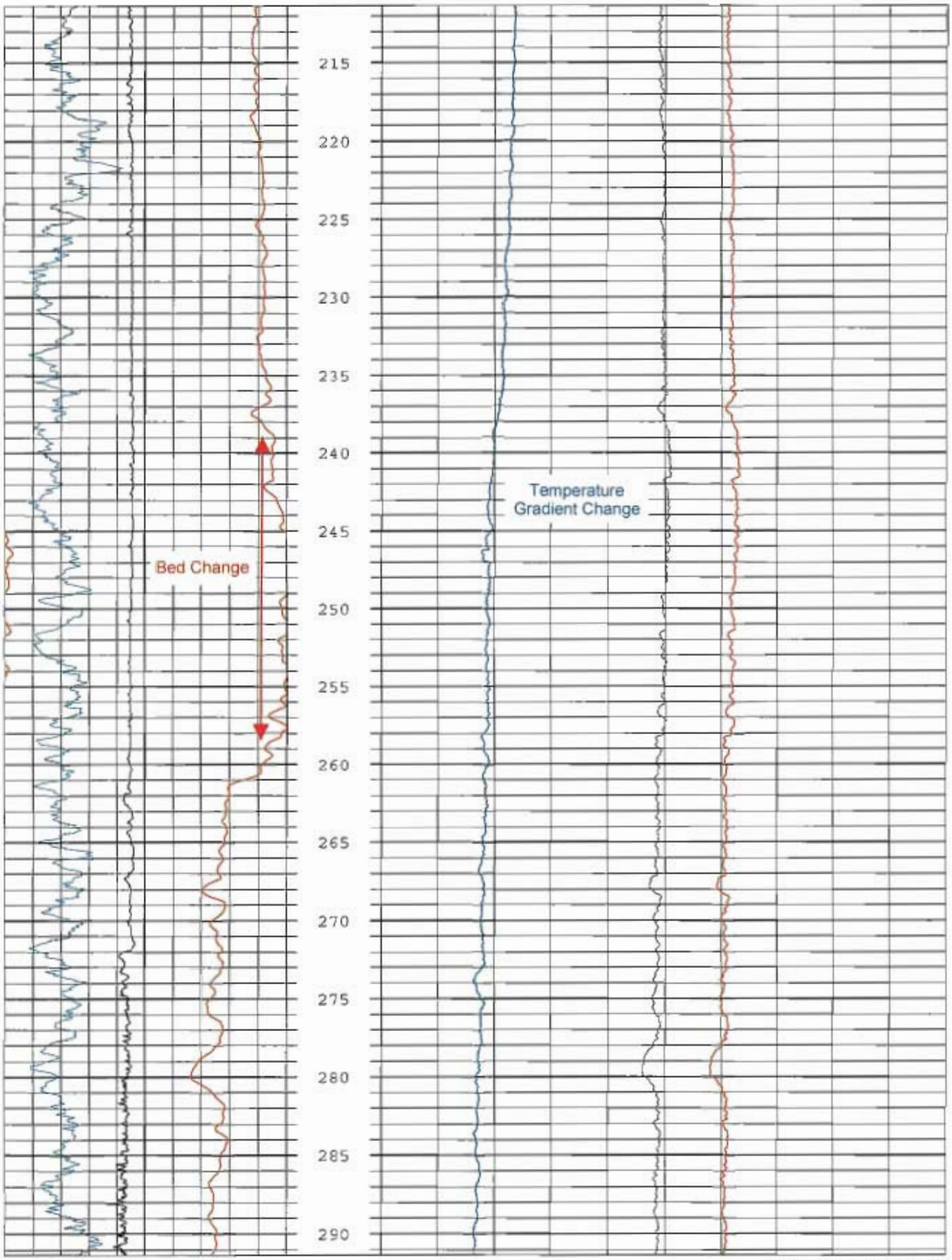
Rich Zone
Clay/Silt
Rich Zone
Clay/Silt
Stringer
Temperature
Gradient Change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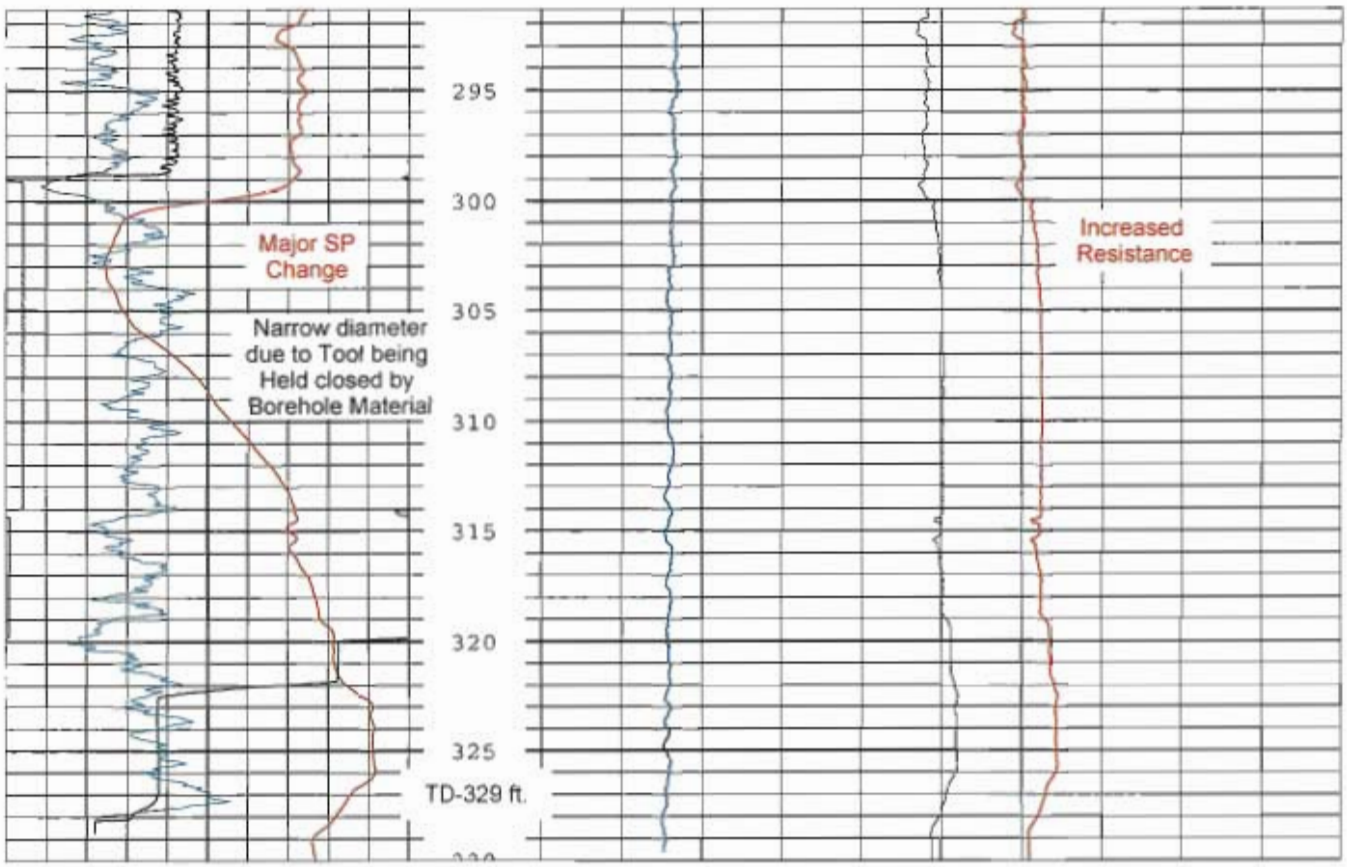
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300
305
310
315
320
325
Major SP
Change
Narrow diameter
due to Tool being
Held closed by
Borehole Material
TD-329 ft.
Increased
Resistance