4.7 CONSTRUCTION CERTIFICATION REPORT

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DZUS FASTENER SITE (OU2)

Construction & Remediation of Lake Capri and Upper Willetts Creek

June 1999-December 1999

Work Assignment No. D003821-5.0

Prepared for:



SUPERFUND STANDBY PROGRAM
New York State
Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233

Prepared by:

Earth Tech of New York, Inc.
12 Metro Park Road
Albany, New York 12205

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50 Wolf Road
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Submitted By:

Earth Tech of New York Inc.
12 Metro Park Road
Albany, New York 12205

October 2000

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1.0 INTRODUCTION

This report is submitted in accordance with the New York State Department of Environmental Conservation (NYSDEC) Record of Decision (ROD) for the Dzus Fastener Site, Operable Unit 2 (OU2), Site Number 1-52-033, October 1997. The basis of the ROD is the RI/FS report prepared by Lawler, Matusky & Skelly Engineers (LMS), June 1994, RI/FS Addendum and Supplemental FS Report (LMS) dated October 1995 and June 1997, respectively.

In summary, past releases from the Dzus Fastener Company's manufacturing facility at 425 Union Boulevard in West Islip, N.Y. resulted in contamination of Willetts Creek and Lake Capri sediments downstream from the Dzus facility. Cadmium, (the principal contaminant of concern) had accumulated in the lake's bass and carp population and based upon NYSDOH Health advisory, NYSDEC ordered the impacted sediments be removed and directed removal under the State Superfund Standby Program.

The purpose and scope of this report are to describe the design, construction, inspection, and certification of the Remediation of Lake Capri and Upper Willetts Creek designated as 'Operable Unit 2' of the Dzus Fastener Site. The site location is in West Islip, Suffolk County, Long Island, New York (Figures 1&2).

The site components include a private 8-acre lake and small adjoining lagoon, and approximately 1,500 linear feet of creekbed, individually owned by residential property owners adjacent to the water bodies. The project intent, based upon the ROD, was to design a remedy to remove the cadmium impacted sediments from the lake, lagoon, and creek bottom to acceptable levels.

This report is organized to present the original project design, authorized modifications to the design, the project schedule, contractually required document submittals, and the project's construction and inspection procedures and analytical results.

The project design and remedial construction services for Operable Unit 2 were conducted under Work Assignment No. D003821-2, under Work Elements III and IV of the Superfund Standby Contract dated August 1997, between the New York State Department of Environmental Conservation (NYSDEC) and Earth Tech of New York, Inc. "Earth Tech", formally Rust Environment and Infrastructure, Inc. During this segment of the work, as part of the remedial construction oversight services, Earth Tech provided a Resident Engineer and Quality Assurance inspectors. The responsive "low bidder" and Contractor for the project was Blue Water Environmental, Inc. (BWE) of Farmingdale, Long Island, New York and was authorized to proceed under the Construction Contract No. D003972. The Contract amount was $5,777,000.

The project included: 1) hydraulic dredging to remove contaminated sediments from Lake Capri and the lagoon, and conveyance of dredged slurry along a pipeline through Willetts Creek, north to the West Islip High School parking lot, where solids separation and processing occurred; 2) mechanical excavation of contaminated sediments along Upper Willetts Creek; 3) separation, testing and proper disposal of solids from hydraulic dredge slurry and excavated material throughout the period of sediment removal, and; 4) treatment of remediation generated water to surface water standards (discharge limits set by NYSDEC) and discharge of the treated water to Lake Capri.

The major components of this remedial dredging, sediment removal, and disposal project were as follow:

- Construct a temporary treatment building.

- Construct and operate a temporary sediment processing and water treatment facility consisting of screens, hydrocyclones, slurry holding tank, recessed plate and frame filter presses, and stockpiling areas for sediment processing; and a 1,800 gpm maximum capacity water treatment plant capable of treating filtrate to NYS SPDES (State Permit Discharge Elimination System) discharge criteria.

- Eradicate the fish population in the 8-acre lake.

- Mechanically excavate, transport and dispose of contaminated sediments in 1,000 linear feet of Upper Willetts Creek.

- Hydraulically dredge, process, transport and dispose of an estimated 19,000 in place cubic yards of sediments from Lake Capri and the adjoining Lagoon.

- Demobilize the site including removal of treatment building, all temporary equipment and utilities, fill in the sediment basin, re-establish landscape, and construct a 2-inch asphalt re-surfacing on approximately 12,500 square yards of the West Islip High School parking lot area.

The 'Notice to Proceed' was issued by NYSDEC on June 11, 1999. The Contract established a project duration to substantial completion of 186 consecutive calendar days (CCD) from the 'Notice to Proceed' establishing a completion date for the project of December 13, 1999.

BWE mobilized on June 11, 1999 and achieved substantial completion on December 31, 1999.

The following contract documents describe the work to be performed during this closure project:

- **Construction Design Drawings For Lake Capri/Willetts Creek Removal & Disposal Contract (Sheets 1-13)**
  Prepared by: Rust Environment and Infrastructure, Inc.
  Prepared for: NYSDEC
  Dated: January 1999

- **Information for Bidders, Agreement & Technical Specifications:**
  Contract Documents, Contract No. D003972 for Dzus Fastener Site (OU2)
  Lake Capri/Willetts Creek Removal and Disposal Contract
  Prepared by: Rust Environment and Infrastructure, Inc.
  Prepared for: NYSDEC
  Dated: January 1999

- **Addendum #1 for Contract Documents D003972**
  Modifications and Additional Information to Existing Contract Documents
  Prepared by: Rust Environment and Infrastructure, Inc.
  Prepared for: NYSDEC
  Dated: February 25,1999

- **Addendum #2 for Contract Documents D003972**
  Modifications and Responses to Significant Comments Relative to Contract Documents
  Prepared by: Rust Environment and Infrastructure, Inc.
  Prepared for: NYSDEC

Dated: March 11, 1999

Earth Tech contracted with the following companies to assist in providing Resident Engineering and Quality Assurance (QA) testing services:

Larsen Engineers	Rochester, N.Y.	QA Inspector
On-Site Environmental Staffing	Long Island, N.Y.	QA Inspector
SCILAB	Albany, N.Y.	Analytical Lab
Phoenix Environmental Services	Manchester, Conn.	Analytical Lab

2.0 PROJECT DESIGN

The Design Engineer, Rust Environment and Infrastructure, Inc. (presently Earth Tech), issued final design plan sheets 1 through 13 based upon the NYSDEC approved Design Analysis Report (DAR, - 12/1998). Along with the specifications and NYSDEC contract contained in the Contract Documents dated 1/28/99, the Plans and Specifications were let out to bid on March 17, 1999 for the Removal and Disposal of Sediments from Lake Capri and Willetts Creek.

2.1 GENERAL

The site plan layout for the project included installation of 1,600 linear feet of perimeter fencing within a designated area of the West Islip High School parking lot, designed to separate and isolate the work area from other activities at the school, minimize noise and odor impacts to the community and control access. This was a very important aspect of the project design since the site was located within a residential setting. Care was taken to design the project to "fit" within the constraints of a residential neighborhood and schoolyard.

Temporary support utilities were arranged to provide power necessary for field offices and process treatment equipment. A portable 750kw generator was approved to supply process equipment needs.

Site layout included design of a temporary treatment building to house filter presses, a bermed and lined process equipment layout area for sediment separation and water filtration equipment, and a storm water collection basin constructed to handle runoff from high rain fall events on the site. An 8-inch, 1,700 foot, HDPE dredge slurry delivery line, and an 8-inch, 800 foot long HDPE effluent water discharge line laid in Willetts Creek between the high school parking lot and Lake Capri provided routing of the incoming dredge slurry from the lake and return treated effluent from the processing area at the school parking lot.

2.2 TEMPORARY TREATMENT BUILDING

A temporary enclosed treatment building (approximately 6500 sf) capable of housing up to five filter presses was designed to secure and isolate high pressure equipment; and located to reduce operational noise and potential odors at the site to publicly acceptable levels. A modified design was proposed by BWE and accepted by NYSDEC that would equally ensure safety of equipment and personnel, and control noise and odor from the equipment. A 750 kw generator was approved for power requirements and housed within the confines of the treatment building to reduce noise.

2.3 SEDIMENT PROCESSING AND WATER TREATMENT FACILITY

A temporary solids separation system was designed and constructed to receive dredged sediment slurry at a rate of up to 2,000 gpm along a 1,700 linear foot, 8-inch HDPE pipe line from the lake. Optimization of separation of dredged sediment fractions for final filter pressing was controlled using #4 sieve screening for removal of gravel and coarse sand, LAX hydrocyclones for removal of fine sands (greater than #40 sieve), and polymer addition (1.2% by weight). The process transferred the liquid fraction to water filtration. The solids separation system was composed of a #4 and #20 screen, three LAX hydrocyclones working in series, four recessed plate and frame filter presses (working at 150 psi.). Average sediment processing capacity was approximately 120 cy/day. Filter cake produced by the filter presses was to average 45% solids content per the design specifications.

A temporary water treatment system was designed to process up to 1,000,000 gpd of liquids from the dredging/solid separation processes. The water treatment system was designed to include a series of "frac" equilization tanks, polyelectrolyte/metal precipitate addition, and continuous backwash sandfilters

to provide final removal of particulate metals and suspended solids and an inclined parallel plate separator to clarify the sand filter backwash water. Treated effluent was discharged back to the lake under NYSDEC authorized SPDES permit limits. The maximum daily discharge volume under the permit was 1,000,000 gallons. The total volume of water treated was 10,060,390 gallons. Totalizer readings on the flow meter reported a higher value due to a change over of equipment in October 1999.

2.4 FISH ERADICATION

As part of the design, all fish in Lake Capri and the lagoon were eradicated by the use of Rotenone, a NYSDEC approved fish eradicant dispersed over the lake and lagoon at a concentration of 20 ppm on July 29, 1999. The majority of fish carcasses were removed by netting within three days of application and subsequently collected in a vacuum truck for transport and disposal purposes. A reported 5800 pounds of fish carcasses were collected and disposed of.

2.5 UPPER WILLETTS CREEK SEDIMENT REMOVAL

The design required mechanical excavation of an estimated 311cy of sediments from Willetts Creek at two locations. Excavation was completed on the full width of the creek bed 50 feet south, and 50 feet north of the Burling Lane footbridge and a 200 linear foot stretch starting from station 7+50 to 9+50. Excavation of half width of the creek bed was conducted from station 0+50 to 5+50.

Remediation was completed using a low ground pressure excavator and transporting excavated sediments directly to roll-offs. Water within the creek was controlled using isolation and dewatering pumps. The actual quantity removed was 288 cubic yards (cy). Earth Tech provided continuous oversight of the operation and approval of line and grade.

Post excavation sampling and analysis confirmed sufficient and successful removal of specified sediments in all areas with the exception of the northern 7+50 – 9+50 region. After specified removal of sediments, post-excavation samples indicated variable cadmium levels with depth. An outfall located in this area created a deep depositional region trapping cadmium impacted sediments. This area was remediated further, with NYSDEC approval, by encapsulation with placement of a non-woven geo-textile, 116 tons of 2" minus stone and 23 tons of rip rap (4"-6").

2.6 LAKE CAPRI AND LAGOON SEDIMENT REMOVAL

The design specified hydraulic dredging of an estimated 19,000 cy of sediment from Lake Capri and the Lagoon. The design called for a Contractor generated work plan itemizing work zones and methodology for the sediment removal as specified in the Plans and Specifications.

A Model SP 920 Mudcat dredge was deployed in Lake Capri using an 8-inch diameter cutter head attachment and 100 hp booster pump for conveying the dredge slurry to the processing facility. The dredge employed a flow and density meter, echo-sounder, GPS control, and computerized links to allow the dredge operator to control position and progress rate. Slurry solid percentages were variable (about 4% to 20%) and determination of the volume of sediment removal was based upon pre-dredge and post-dredge excavation hydrographic surveys.

Work zones within the lake were designed to minimize redistribution of suspended sediments as a result of dredging and to control the progression of dredge operations.

In addition to hydraulic dredging, mechanical excavation was employed in locations where the minimum draft of the dredge could not be met, and where maneuverability of the dredge was hampered by obstacles

or debris. Areas mechanically excavated included the lagoon, the east shoreline and north shoreline of the lake including regions around the small northern island and southeast corner of the lake. Post excavation sampling and analysis confirmed sufficient and successful removal of targeted sediments. Post excavation sampling was conducted four hours or more after dredging. Excavation elevations were surveyed by an independent hydrographic surveyor and verified by Earth Tech. Pre and post hydrographic surveys are found in Appendix E including volume calculation data for in-place yards of sediments removed.

2.7 WASTE CLASSIFICATION, TRANSPORT AND DISPOSAL

Sediments removed by mechanical excavation or hydraulic dredge were sampled on a per load basis and analyzed for total and/or TCLP cadmium per the contract specifications for waste classification. BWE retained Environmental Testing Laboratories (ETL), Long Island, New York, for analytical testing and ERM, Woodbury, New York for quality control and data review. Earth Tech conducted QA sampling and analysis using SCILAB, Latham, New York and Phoenix Environmental Laboratories, Manchester, Connecticut, as the analytical testing laboratories. A summary of data and the analytical reporting sheets is found in Appendix C. All waste removed from the site was classified as non-hazardous.

BWE's work plan outlined handling, stockpiling, transport and disposal of processed sediments based upon incorporating the use of a NYSDEC Research, Design and Development (R D&D) permit allowing BWE to mix/process Lake Capri sediments at its facility in Farmingdale, N.Y. NYSDEC approved the use of the permit for disposal of removed sediments. The resultant material is deemed a 'beneficial use' under the permit specifications. The material will be tracked by NYSDEC for ultimate use/disposition and is not considered part of this certification report.

Under testing restrictions set forth during the project by NYSDEC and upon receipt of acceptable analytical results, BWE was allowed to load and transport processed sediments directly to BWE's facility for processing. All sediment loads were tracked via non-hazardous waste manifests approved and signed by Earth Tech. Manifest copies are retained in the project record files at NYSDEC offices, 50 Wolf Road, Albany, N.Y. A summary of the manifested loads is found on Table 1.

Disposal requirements under the contract were modified to allow BWE to exercise its beneficial use option under its R D&D permit for all non-hazardous materials.

2.8 SITE DEMOBILIZATION AND RESTORATION

Removal of all temporary fencing, utilities and facilities was completed upon substantial completion of site activities. Restoration of the process area of the site included filling in the storm water basin and reseeding the affected area, and installing approximately 12,500 square yards of 2-inch asphalt cover over the existing area of the high school parking lot used for the sediment processing and water treatment plant.

3.0 DESIGN MODIFICATIONS

The 1999 Lake Capri/Willetts Creek sediment remediation was completed in substantial conformance with the design plans and specifications. Variations from the design were made, however, and coordinated with NYSDEC, the designer (Earth Tech), and contractor (BWE) prior to officially approving the change or modification. Weekly project meeting agendas, and meeting minutes document the discussion, development, and timing of these changes. No design changes were ordered without the NYSDEC's and/or Earth Tech's approval. The most substantial modification to the design was the submission by BWE for a modified sediment processing and water treatment system. After preliminary design review by Earth Tech, NYSDEC approved BWE's submittal of a modified design including drawings stamped by a certified NYS Licensed Professional Engineer (P.E.). The design provided for performance based upon criteria which would meet the project objectives as set forth in the Contract Plans and Specifications.

CHANGE ORDER #1:

- Change Order #1, Item A, Differing Site Conditions, provided for C&D material uncovered as a result of construction of the storm water retention basin (unexpected condition), was stockpiled and replaced in the excavation at the completion of the project.

- Change Order #1, Item B, Fish Collection, provided for extra manpower, time and equipment and increased Item 12A price total for 'Fish-Eradication' based upon the increased poundage of fish removed from the lake.

- Change Order #1, Item C, Weigh Scale Credit, provided for the allowance of substitution of the site weigh scale. BWE proposed and was allowed to verify truck/load weight using its own DOT certified scale located at the BWE facility in Farmingdale, N.Y. The facility was also the hauling destination for removed and processed sediments.

- Change Order #1, Item D, Lagoon Dredging, provided for extra manpower, time and equipment for work performed for extra dredging below contract elevations in the lagoon to remove sediments found to exceed cleanup goals for total cadmium.

- Change Order # 1, Item 9A-9E, Higbie Lane Staging Area, provided for the deletion of Bid Item 9A-9E – Higbie Lane Staging Area (HLSA). The staging area was eliminated from the scope of work based upon BWE's Work Plan and ability to haul and process treated sediments at its own facility under a NYSDEC R D&D Permit. This change greatly reduced the size of the project work site, minimized site impacts to the community, reduced anticipated disposal costs, and minimized waste handling.

The net cost of Change Order #1 was $14,782.42, causing a change in Contract Price to $5,791,782.42. Change Order #1 also extended the Contract Time by 4 days from 185 Calendar days to 189 Calendar Days due to severe weather conditions (hurricane).

CHANGE ORDER 2

- Change Order #2, Item A, Willetts Creek Backfill, provided for use of 2" minus stone and 6" riprap to be placed in a section of the creekbed of the Upper Willetts Creek as a post-excavation measure to prevent erosion and sediment migration.

- Change Order #2, Item B, North Cove Backfill, provided for backfill importation and placement in an area of the lake just south of the stone bridge referred to as the north cove region. The area required additional dredging to remove deeper regions of cadmium impacted sediments. A manufactured 50 foot by 50 foot non-woven geotextile and 8 inches of heavy rip rap stone were used to encapsulate the excavated region.

- Change Order #2, Item C, Higbie Lane Staging Area Parking Lot Allocation, provided for the deletion of Pay Item 9F.

- Change Order #2, Item D, Line Item 10B, Disposal – Non-Hazardous, Pressed Soils, provided for additional compensation to the Contractor for disposal costs. The amount was negotiated based upon lower than estimated quantity of material generated. The Contractor incurred fixed costs based upon anticipation of estimated quantities. The amount was calculated as the average betweeen the price the Contractor believed this work cost and the price the Department believed the work cost.

- Change Order #2, Item E, Disposal – Non-Hazardous, Non-Pressed Soils, provided for an overrun on the quantity of this bid item, and was extended at the actual unit price.

- Change Order #2, Item F, Non-Hazardous Debris Removal, provided for an overrun in the quantity of debris removed. The amount was calculated as the average betweeen the price the Contractor believed this work cost and the price the Department believed the work cost.

  The net cost of Change Order #2 was $120,324.39. The actual Contract Price paid at the completion of the project was $ 5,875,341.23. Change Order #2 also extended the contract time by 14 days from 189 days to 203 calendar days.

ADDITIONAL NO COST CONTRACT CHANGES :

- The security arrangement for the site was modified from a full time site guard to a locked gate, contractor-controlled site and part-time (night) site guard. The arrangement provided for equal or better site safety, security and control.

- The Site utility provision was modified from full line supplied electrical power to partial line power (100 amp service for field offices) and 750 kw Caterpillar mobile diesel generator for process equipment requirements. The Long Island Power Authority (LIPA) could not supply the project requirements with existing line service and to avoid schedule delays, the diesel generator was approved for use at the site.

- The design for the filter press building enclosure was modified by BWE with submission of an alternate building design using sheet piling for outer side walls and rear structural support. The front of the building was left as open access to the conveyors. The rear was constructed with timber planking for sound absorption and dampening. The roofing was constructed of geotextile for ventilation. The design was acceptable to the Engineer and provided adequate cover and noise suppression.

- The process treatment (including solids separation and water treatment) was modified from the original design to a smaller footprint, incorporating similar process components, elimination of lime additive, and was approved by NYSDEC and Earth Tech based upon performance being equal to or exceeding the contract design. System performance was

monitored and acceptable to the Engineer. New York State PE stamped drawings were provided by the contractor for the design and subsequent modifications.

4.0 SCHEDULE

4.1 CRITICAL PATH METHOD

The contract documents required BWE to develop an initial Critical Path Method (CPM) schedule and provide bi-weekly updates. BWE's CPM schedule was approved as submitted in their final Work Plan (May 1999 – Revision 2) as the base schedule. This schedule was generally similar to the design schedule requirements in the contract with the exception of construction of the Higbie Lane Staging Area which the contractor chose to eliminate with concurrence of NYSDEC.

4.2 MILESTONES

Construction milestones were established from and linked to the detailed project schedule. These milestones were updated bi-weekly with the project schedule and submitted during weekly progress meeting for review and discussion. The contract documents did not include assessment of monetary liquidated damages for missing of milestone dates with the exception of the project completion date, December 12, 1999, or 185 days from the 'Notice To Proceed' (June 11, 1999). Change Order 1 provided four (4) additional days to be added to the 185 calendar days in the original contract due to severe weather conditions encountered. The extension increased the contract time to 189 days. Change Order 2 extended the contract to 203 calendar days. Actual completion of the contract including restoration and paving of the high school parking lot was December 31, 1999. A schedule of the actual project tasks and completion dates is included as Table 2.

4.3 CHRONOLOGY

The contractor's 'as-built' schedule indicates the general progress of work from the 'Notice To Proceed' through substantial completion. The following summary completes a brief chronology of the project activities.

The project commenced with mobilization on June 11, 1999 when site layout surveys were done. Perimeter fence, installed on June 14, 1999 separated the project site from the surrounding school and remaining parking lot area. Steel sheeting was installed June 12, 1999 for the supporting structure of the temporary treatment building. The temporary treatment building was completed on June 30, 1999.

Site field trailers arrived on site on June 14, 1999 and utilities were established by July 1, 1999. The first pieces of treatment equipment, including mix tanks and filter presses were brought on site the week of June 20, 1999.

Eradication and collection of fish carcasses in the lake took place the first week of July.

An entrance at Lake Capri was established and support platforms constructed during the week of June 25. The dredge and support equipment arrived on site on June 24, 1999. Construction of the dredge slurry pipeline and return water discharge line were completed on July 28, 1999.

The solid separation and water treatment system construction was completed and dry run tested on July 30, 1999 and completed on August 13, 1999.

Start-up pilot dredging in Lake Capri and processing commenced on August 7, 1999.

The Upper Willetts Creek sediment removal commenced on July 29 and was completed on August 4, 1999.

Mechanical dredging of the Lagoon commenced on July 20, and was completed after hydraulically pumping additional sediments from the lagoon from September 12 to September 20, 1999.

Phase I of dredging was completed in October 1999. The Phase I work objective was to remove the overlying soft sediment layer in a succession of dredge 'cuts' with turbidity controls to minimize sediment disturbance and control dredge speed. Phase II dredging commenced along the northern shoreline, progressed down the western lake work zone II, and continued to work zone I. Final dredging was completed in work zone III. (Phase II work zones are depicted on the final hydrographic survey in Appendix E). The Phase II objective was to reach excavation grade and remove any missed soft sediments, minimize migration and re-suspension of fine materials, and achieve clean-up criteria goals for cadmium removal. Dredging was conducted in successive passes with a three-foot overlap. Phase II dredging was completed December 17, 1999. Post-excavation hydrographic surveys, confirmatory sampling and analysis were completed in December 1999. Site demobilization and restoration were completed by December 31, 1999.

Please refer to Appendix A for site air monitoring and system operational data. Appendix B provides treatment system water discharge monitoring data. Appendix C provides waste classification analytical data summary for disposal requirements. Appendix D includes post-excavation sampling results for Lake Capri, the Lagoon and Willetts Creek. . Appendix E contains the "as-built" drawings for Willetts Creek excavation and the Lake Capri/Lagoon excavation. Appendix F provides copies of the minutes from the weekly progress meetings. Appendix G provides photographic documentation of the progress of work.

Additional information retained in NYSDEC project record files, 50 Wolf Road, Albany, NY is as follows:

- Daily Field Reports for Earth Tech and BWE, including daily sign-in attendance sheets
- Daily Health and Safety logs, including noise monitoring results
- Daily Dredging Logs
- Non-Hazardous Waste Manifests
- Submittals, Material and Equipment Cut Sheets
- Project Correspondence Files
- Analytical Category B Deliverable Data Packets

5.0 SUBMITTALS

The contract documents required BWE to submit Quality Control (QC) data, test results, shop drawings, and other manufacturer's documentation for NYSDEC approval prior to construction at the project site. Quality Control testing of the water treatment process was conducted during start-up, when changes were made to the system, and as necessary to provide performance confirmation. Discharge effluent was monitored monthly per the NYSDEC discharge permit requirements. Quality Control testing of the processed sediments was conducted to classify sediments for transport and disposal. Earth Tech concurrently conducted Quality Assurance testing of performance of the water treatment operation, effluent discharge and processed sediments.

All QC documents were submitted by BWE and reviewed by Earth Tech and/or NYSDEC during the course of the project. Approvals and/or rejections were issued and filed in accordance with the specific provisions in Article 5 in the General Conditions of the Contract Documents.

6.0 CONSTRUCTION, INSPECTION, AND TESTING PROCEDURES

6.1 TREATMENT BUILDING

The temporary treatment building was constructed from June 11 to June 20, 1999. BWE requested and was granted a modified design for a building which would be capable of compliance with the design specified requirements. Instead of using a 'pre-fabricated' building, BWE drove 59 pieces of steel sheeting as structural side support walls and installed column support sheet piles on the front and back of the building. QA documentation of the steel sheet installation is contained in the daily field reports.

After placement of the filter press units in the building, removable timber planking was installed in between the column sheeting on the back of the building. This design allowed for easy maneuvering of large filter presses in and out of the building structure. The timber planking was effective in dampening the noise of the filter press operation. The front of the building was left open to facilitate discharge of filter cake from the filter presses onto a conveyor running along the front side of the building. The roof was constructed of geotextile for ventilation.

The ground beneath the slurry and filtrate storage tanks, adjacent to the treatment building, was covered with an impermeable 20mil geomembrane to catch rainwater and sediment spillage due to process operations. Transfer of liquids and spillage to the stormwater basin was collected and later transferred for treatment and disposal.

6.2 SEDIMENT PROCESSING AND WATER TREATMENT FACILITY

6.2.1 Solids Separation

The design and construction of the solids separation system was certified by ERM, BWE's subcontracted consultant for the project. BWE submitted an alternative design which provided for a smaller footprint in size and alternate stabilizing agent to be incorporated into the sediment slurry prior to filter pressing. The use of perlite instead of lime eliminated silo storage and mixing vessels. The drawings and design were certified by a New York State Professional Engineer. Upon completion of the project, ERM's licensed professional engineer produced stamped "as-built" drawings that were submitted and approved.

The solids separation operation consisted of three levels of separation: 1) removed large gravel and stone with a 4 foot by eight foot double deck rough vibrating screen (1" upper deck, 3/16" lower deck); 2) removal of fine grained sand through a series of three hydrocyclones; and 3) the remaining fine silts and solids were passed on to a series of filter presses operating at 150 psi pressure. The material separated by the screens and hydrocyclones was collected separately for disposal characterization testing per the requirements of the specifications. The filter cake was discharged onto a conveyor to a dump trailer truck.

Appropriate chemical testing was conducted for every load and/or stockpile of filter cake (each load was ~ 40cyd, stockpiles were usually 80-120cyds). QC and QA testing of representative samples from the processed materials were conducted on each load for confirmation of material characteristics. Total cadmium and Toxic Characteristic Leaching Procedure (TCLP) for cadmium were conducted on representative samples collected by ERM and by Earth Tech. Sample results submitted by BWE's analytical laboratory were reviewed by ERM's quality control chemist. QC and QA results were compiled and compared. Refer to Appendix D for data summaries and analytical results.

Sand and stone were tested on a weekly composite for total cadmium. TCLP cadmium testing was run for the first thousand yards of sand and stone materials.

6.2.2 Water Treatment Plant

The design and construction of the water treatment system was certified by ERM and stamped by its Engineer in conjunction with the solids separation design.

BWE submitted an alternative design which provided for performance based process water treatment to meet the effluent discharge criteria set forth for the project. Manufacturer's cut sheets and performance data were submitted and approved prior to installation on-site. Upon completion of the project, ERM's licensed professional engineer produced stamped "as-built" drawings that were submitted and approved.

Process water from the dredge slurry passed first through screens removing the large fraction of stone and gravel, after which, hydrocyclones separated out fine sands. Remaining slurry solids and water were transferred to eight 21,000 gallon "frac" tanks for equilization and mixing to keep the slurry homogenized prior to feeding the filter presses. Homogenized slurry was then mixed with perlite, as a coating agent, and pumped to the filter presses for dewatering. Four plate and frame presses, (working at 150 psi) separated the water from the solids. The water fraction was transferred to seven 21,000 gallon filtrate "frac" tanks. The "frac" tanks store and equalize filter press filtrate, sand filter reject water and collected storm water. Collected liquids were then treated with a polyelectrolyte before passing into three 'Dynasand' continuous backwash sandfilters to remove remaining solids. Treated water gravity flowed into a final effluent holding tank, after which the treated water was pumped through an 8-inch HDPE discharge line and diffuser to the lake.

The contractor was required to conduct water chemistry QC testing of intermediate steps of the design to verify that the system would meet the discharge criteria. Earth Tech conducted QA testing to review important components of the system and their operation. The NYSDEC effluent discharge limited daily discharge volume to 1 million gallons. Effluent discharge testing was conducted monthly for compliance with NYSDEC's permit requirements. QC and QA results were compiled and compared. Refer to Appendix B for data summaries and analytical results.

6.3 FISH ERADICATION

Miller Environmental subcontracted to BWE to conduct the application of Rotenone in Lake Capri and the lagoon. Prior to application, several tests were conducted to analyze the hydraulics of the lake system. The specifications required that after Rotenone application the lake water must be retained without discharge for a period of six days for neutralization of the chemical.

Weir boards at the outfall were removed and the lake lowered. Calculations were made on the recharge of the lake and its ability to recover and submitted to Earth Tech for approval prior to application. Fish eradication took place during the first week of July, when Miller applied Rotenone throughout the lake from a small skiff. Fish carcasses were collected for several days by netting and were stored in a vac-truck until all fish carcasses were removed. Carp, bass, eel, and sunfish/pumpkinseed were predominant. Overall, 5800 pounds of fish were removed and disposed of as solid waste. BWE presented the disposal certificate for verification of proper disposal.

The lake weir boards were removed after BWE conducted live fish tests to verify the Rotenone was no longer active, as per specified requirements. The lake water level was lowered to approximately elevation 1.3 feet prior to application. High lake water level prior to weir board removal was measured at approximately elevation 3.3 feet. No flooding occurred to residential property as a result of adjusting lake levels.

6.4 UPPER WILLETTS CREEK SEDIMENT REMOVAL

BWE mechanically excavated regions of Upper Willetts Creek per specifications and in accordance with BWE Workplan and Dredging Operations Plan. This work was required to be conducted within a time frame not to conflict with school activities. The sediment removal was observed by Earth Tech QA personnel throughout its duration. Removal was completed in four days, from July 29 through August 4, 1999.

Post-excavation sampling and analysis for residual cadmium concentrations confirmed concentrations exceeding clean-up levels in regions below required excavation grade at an outfall location, station 8+00 to 9+00. Approval was given to BWE for importation and placement of crushed gravel and rip rap in this region of the creek to provide erosion control and minimize future sediment migration.

6.5 LAKE CAPRI AND LAGOON SEDIMENT REMOVAL

Removal of sediments in the lagoon was accomplished with a combination of dewatering, mechanical dredging and hydraulic pumping. Access through private property was arranged in order to bring in an excavator. Dewatering pumps were placed in the lagoon to lower the water level by pumping water over the bridgeway into the lake. Excavation was completed in the partially dry lagoon, after which, water was allowed to fill the lagoon prior to collecting post-excavation samples. Exceedences for cadmium were reported in the one region of the lagoon. A suction pump was employed to hydraulically "vacuum" out the region still impacted. The sediments were pumped across the bridgeway into the lake for later removal during dredging operations in the lake. The resulting void was backfilled with clean sand.

Removal of sediments in the lake was accomplished with a combination of mechanical excavation and hydraulic dredging. A pre-excavation hydrographic survey was completed by BWE and checked by Earth Tech prior to commencing dredging. The lake water level was initially lowered (by removing wier boards at the lake outfall) to allow mechanical excavation. The east side of the lake had a shallow shoreline impeding the dredge from close access to the shoreline. Approximately ten to fifteen feet of shore was exposed and allowed a low ground pressure excavator to move from north to south removing sediments to deeper water that could be picked up by the dredge. A silt curtain was erected to section off the remediated shoreline from the rest of the lake. A dredging operations plan was followed, sectioning off the lake in zones and dredging in overlap passes from east to west. The plan also outlined the dredging in two phases to remove first, the top sediment layer in Phase I, then return and remove remaining impacted sands to specified excavation grade. Controls on the dredge head allowed some monitoring of excavation grade, although post excavation hydrographic surveying was conducted to provide reliable final elevations. Final Phase II dredging was conducted in slow 3-foot overlapping passes, monitored by a technician at the head of the dredge probing in front and then behind the dredge head to confirm silt removal. Action was taken if silt still remained behind the dredge head. The dredge moved back and retraced the path over the section missed. Confirmation sampling was conducted after completing a work zone. A final hydrographic survey was compared with the initial pre-dredge survey to determine the total in place yardage dredged. The final survey yielded 17,095 cy which included the north cove area where 387 cubic yards of additional dredging was authorized.

6.5.1 Sampling Procedure

Extensive testing was conducted throughout the lake in compliance with the contract specifications. The contractor was responsible to follow the sampling and analysis plan and provide a chemist for quality control. Earth Tech collected quality assurance samples and split samples from the contractor to verify results.

In Willetts Creek, post excavation grab samples were collected every 100 feet and analyzed for total cadmium. Results for total cadmium were reviewed and additional excavation authorized as required to reach the set clean-up goal of 9 ppm total cadmium. Areas were re-sampled as necessary. Cadmium concentrations in an upper reach of Willetts Creek (station 7+50 – 9+50) exceeded 9 ppm. A variable and deep depositional region existed here due to an outfall into the creek at this location. The decision by NYSDEC was to encapsulate this region of the creek with geotextile, stone and rip rap.

In the lagoon, three post excavation samples were collected and analyzed for total cadmium. After completion of initial sediment excavation, preliminary samples were collected and analyzed to identify if additional removal was necessary to reach a set clean-up goal of 1 ppm cadmium. Exceedences (>1 ppm) were reported only in the southern region of the lagoon. After additional hydraulic excavation of this deep depositonal region, backfill was imported and placed to fill the void. All other sample results reported cadmium levels below 1ppm.

In Lake Capri, the procedure was to collect a post-excavation grab (ponar) sample for every 10,000 square feet. A grid was set on the lake and a grab sample collected from each 100 by 100 foot grid box. Additionally, shoreline samples were collected approximately every 100 feet.

An unofficial set of samples was collected by the Contractor after Phase I dredging to see if a reduction in total cadmium concentrations was realized. Based upon the results, a number of areas still contained variable amounts of cadmium contaminated sediment. Careful planning of Phase II dredging resulted in successful removal of impacted sediment. A full round of grab samples from the grid was collected from each work zone after completing Phase II. Samples had to be collected no earlier than four hours after dredging. Two sets of samples were collected and analyzed for total cadmium, one set collected immediately after the dredge pass was complete and another set collected at least four hours after dredging. Total cadmium analysis confirmed concentrations within acceptable limits.

6.5.2 Analytical Results

All grab samples collected for post-excavation total cadmium analysis were collected under chain of custody protocols and forwarded to an approved NYSDEC analytical laboratory for analysis. All quality control samples collected by the contractor required Category B deliverable packets. Appendix D contains a summary table of post-excavation analytical results and Category B reporting sheets. Quality assurance sample results are also included in Appendix D.

6.6 DISPOSAL OF SEPARATED MATERIALS

All materials excavated for Willetts Creek, Lake Capri and the lagoon were tested and classified prior to disposal. Per agreement with NYSDEC, the contractor was approved to accept non-hazardous processed sediments at its facility in Farmingdale, N.Y. under a NYSDEC modified RD&D Permit. The materials were tracked using non-hazardous waste manifests and once on-site were to be used in a blending process to produce "poscrete", an approved NYSDOT subgrade "beneficial use" material. Table 1 presents a summary of the manifests. Appendix C presents a summary of the test results for the materials.

6.7 SITE RESTORATION

Upon substantial completion of the project, the site was demobilized and restored. Willetts Creek work was completed earlier in the year and required no restoration. The lagoon area impacted by Contractor activities on private property, was restored by the Contractor per agreement with the property owner.

Minor tree trimming and brush clearing did not generate restoration requirements at the completion of work. Work within the lake again did not result in restoration requirements.

Restoration work at the West Islip High School Parking lot included repaving of the parking lot area used for the process equipment, removal of perimeter fencing, and backfilling, regrading and hydroseeding the area used for the storm water retention basin. Two light poles that were damaged by the Contractor in the parking lot were replaced.

7.0 SUMMARY AND CONCLUSIONS

Earth Tech provided full time field representation, including construction oversight, quality assurance inspection, monitoring and testing services during the 1999 remediation of Lake Capri, adjoining lagoon and portions of Willetts Creek.

The quality assurance program included inspection of all materials prior to use for construction, general earthwork monitoring, and quality assurance monitoring for the construction of the temporary solids processing and water treatment plant, stormwater detention basin, drainage and erosion controls, construction of the dredge slurry, and treated water discharge lines and outfall. Prior to construction, Earth Tech monitored the Rotenone application and fish eradication operation for conformance to the project specifications. During construction, Earth Tech verified that performance testing was conducted for the operation of the solids and water processing operations and at frequencies required to provide assurance of operations and that materials used conformed to the project specifications. In addition, Earth Tech verified that any condition or material that was identified as not conforming to the project specifications was repaired or replaced and re-tested as necessary.

The observations made by Earth Tech during oversight and inspection of all construction and work associated with the 1999 Dzus Fastener Site (OU2), Lake Capri/Willetts Creek Removal and Disposal Contract indicate that the project was completed in substantial compliance with the project specifications and design plans. The remedial objectives of cadmium reduction in the lake, lagoon and creek sediments were accomplished. Post excavation cadmium concentrations in the lake and lagoon were lowered to less than 3 ppm overall. A restocking of the lake with small mouth bass, silverside and blue gill fingerlings was completed in the Spring and Summer of 2000. A long-term monitoring plan has been developed for the site.

8.0 CERTIFICATION STATEMENT

I hereby certify as a Professional Engineer registered in the State of New York, that the quality control/quality assurance testing performed for the classification of materials during the sediment removal contract at the Dzus Fastener Site (OU2) remediation, conducted during June 1999 through December 1999 was is accordance with accepted standards of practice and that the construction and performance of the water treatment and soils processing plant were conducted per approved submitted plans, drawings and specifications including discharge water monitoring per NYSDEC SPDES requirements.

I also certify that the as-built construction presented in the form of the post excavation hydrographic survey of Lake Capri and post excavation sampling and analysis were conducted in accordance with accepted standards and practice. Final elevation grades and analytical confirmation reporting total cadmium substantially conforms to or exceeds the requirements of the approved engineering plans and specifications.

Removal of sediments from Willetts Creek and the Lagoon, and associated documentation of excavated areas and post excavation sampling and results equally conform to accepted standards of practice and have met the requirements of the approved engineering plans and specifications. The dredging accomplished the remedial objective of reducing the overall total cadmium concentrations in the lake sediments to <3.0 ppm.

Removal of sediments and armoring with rip rap in designated areas of Willetts Creek accomplished the remedial objective clean-up goal of 9 ppm for total cadmium in surficial sediments.

Respectfully Submitted,

Earth Tech of New York, Inc.



9-15-00

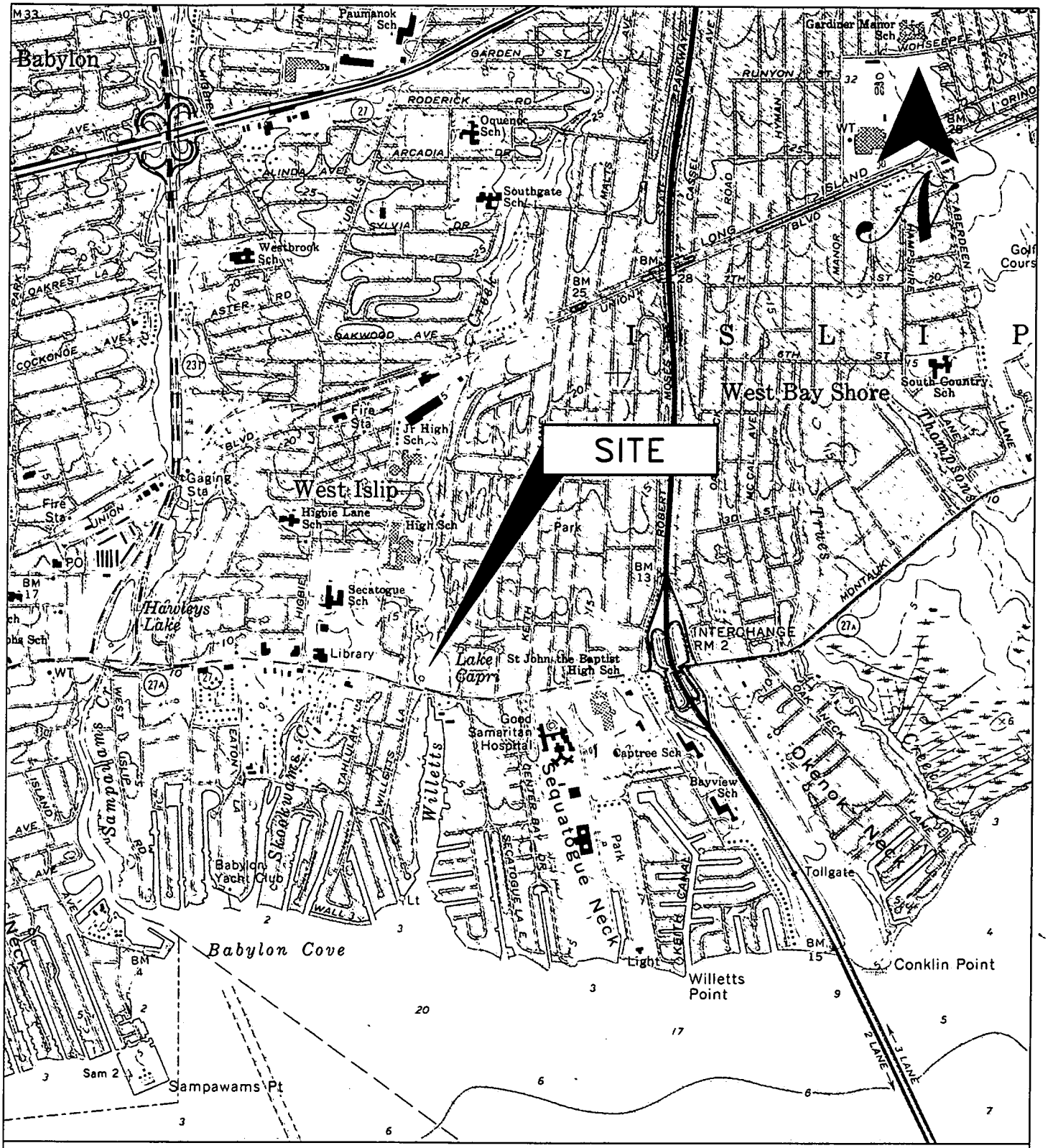
Richard C. Rogers, P.E.

Licensed Professional Engineer
New York License No. 068575

CONSTRUCTION CERTIFICATION REPORT

DZUS FASTENER SITE (OU2)

TABLES



PORTION OF MAP 34 OF 39 SUFFOLK COUNTY LAST AMENDMENT DATE 10-12-94
BAY SHORE WEST, NY QUADRANGLE. SCALE 1"=2000'

EARTH TECH

A tyco INTERNATIONAL LTD. COMPANY

FIGURE 1
SITE LOCATION MAP
DZUS FASTENER SITE
LAKE CAPRI/WILLETTS CREEK

SEPTEMBER 2000

PROJ: 32419



NO SCALE

EARTH TECH

A tyco INTERNATIONAL LTD. COMPANY

FIGURE 2
PHOTOGRAPH LOCATION MAP
DZUS FASTENER SITE
LAKE CAPRI/ WILLETTS CREEK

SEPTEMBER 2000

PROJ: 32419

CONSTRUCTION CERTIFICATION REPORT

DZUS FASTENER SITE (OU2)

TABLE 1

Waste Manifest Summary Tables

DZUS Fastener Site

NYSDEC Site ID Number 1-52-033

Waste Manifest Summary By Pay Item

Pay Item 10b

DAY	DATE		Manifest #	Volume Est. (yd^3)	Gross Weight (tn)	Tare Weight (tn)	Pay Weight (tn)	% Solids	Duplicate by ET Lab
60	TUE	08/10/99	PS001	4.0	22.04	18.27	3.77	41.9	
60	TUE	08/10/99	PS002	4.0	20.34	18.27	2.07	39.9	43.2
61	WED	08/11/99	PS003	38.0	45.06	18.59	26.47	45.5	
61	WED	08/11/99	PS004	22.0	38.84	18.59	20.25	48.4	
62	THUR	08/12/99	PS005	30.0	46.19	18.59	27.60	49.9	49.7
66	MON	08/16/99	PS006	35.0	51.07	18.59	32.48	55.9	53.4
68	WED	08/18/99	PS007	38.0	56.98	18.59	38.39	41.0	38.7
73	MON	08/23/99	PS008	38.5	49.12	18.59	30.53	42.4	41.8
73	MON	08/23/99	PS009	18.0	30.30	17.23	13.07	43.1	36.3
75	WED	08/25/99	PS010	30.0	46.76	18.59	28.17	36.9	36.4
76	THUR	08/26/99	PS011	40.0	54.59	18.59	36.00	44.2	46.6
76	THUR	08/26/99	PS012	20.0	35.65	17.23	18.42	47.8	46.9
77	FRI	08/27/99	PS013	39.5	49.98	18.59	31.39	37.1	43.0
77	FRI	08/27/98	PS014	39.0	54.02	18.59	35.43	41.9	42.4
77	FRI	08/27/99	PS015	38.0	52.32	18.59	33.73	42.3	42.3
77	FRI	08/27/99	PS016	20.0	35.18	17.23	17.95	80.4	
77	FRI	08/27/99	PS017	38.0	49.10	18.58	30.52	34.7	
78	SAT	08/28/99	PS018	24.0	40.18	17.23	22.95	45.2	
78	SAT	08/28/99	PS019	38.0	49.04	18.59	30.45	43.6	
78	SAT	08/28/99	PS020	20.0	32.78	17.23	15.55	46.2	
78	SAT	08/28/99	PS021	38.0	44.75	18.59	26.16	37.9	
80	MON	08/30/99	PS022	10.0	25.89	17.23	8.66	47.0	
80	MON	08/30/99	PS023	40.0	55.05	18.49	36.46	40.2	
80	MON	08/30/99	PS024	16.5	32.65	17.23	15.42	42.3	
81	TUE	08/31/99	PS025	37.0	48.84	18.59	30.25	46.4	
82	WED	09/01/99	PS026	43.0	55.63	18.59	37.04	42.9	
82	WED	09/01/99	PS027	39.0	57.98	18.59	39.39	47.0	
82	WED	09/01/99	PS028	20.0	34.35	17.23	17.12	42.3	
82	WED	09/01/99	PS029	40.0	53.85	18.59	35.26	46.3	48.0
82	WED	09/01/99	PS030	14.0	28.35	17.23	11.12	46.2	
82	WED	09/01/99	PS031A	19.0	31.15	17.23	13.92	46.0	
83	THUR	09/02/99	PS031B	38.0	53.14	18.59	34.55		
83	THUR	09/02/99	PS032	20.0	33.35	17.23	16.12	50.1	45.5

DZUS Fastener Site

NYSDEC Site ID Number 1-52-033

Waste Manifest Summary By Pay Item

Pay Item 10b

DAY	DATE		Manifest #	Volume Est. (yd^3)	Gross Weight (tn)	Tare Weight (tn)	Pay Weight (tn)	% Solids	Duplicate by ET Lab
83	THUR	09/02/99	PS033	38.0	54.23	18.59	35.64	45.3 c	27.9c
83	THUR	09/02/99	PS034	18.5	36.11	17.23	18.88	45.3 c	27.9c
84	FRI	09/03/99	PS035	36.0	50.82	18.59	32.23	41.1 c	40.1 c
84	FRI	09/03/99	PS036	20.0	36.25	17.23	19.02	41.1 c	40.1 c
84	FRI	09/03/99	PS037	37.0	52.27	18.59	33.68	41.1 c	40.1 c
88	TUE	09/07/99	PS038	38.0	54.23	18.59	35.64	41.3 c	
89	WED	09/08/99	PS039	12.5	26.63	17.23	9.40	41.3 c	
90	THUR	09/09/99	PS040	30.0	46.28	18.59	27.69	33.6	37.5
91	FRI	09/10/99	PS041	34.0	56.43	18.59	37.84	53.4	37.7
91	FRI	09/10/99	PS042	10.0	28.45	17.23	11.22	55.9c	37.8 c
91	FRI	09/10/99	PS043	18.0	48.42	18.58	29.84	55.9c	37.8 c
92	SAT	09/11/99	PS044	36.0	49.63	18.58	31.05	55.9c	37.8 c
94	MON	09/13/99	PS045	8.0	25.08	17.23	7.85	35.7c	39.6 c
94	MON	09/13/99	PS046	35.0	50.08	18.58	31.50	35.7c	39.6 c
95	TUE	09/14/99	PS047	40.0	50.43	18.58	31.85	35.7c	39.0 c
95	TUE	09/14/99	PS048	13.0	28.93	17.23	11.70	35.7c	39.0 c
96	WED	09/15/99	PS049	40.0	54.65	18.58	36.07	37.4c	36.1
96	WED	09/15/99	PS050	10.0	28.37	17.23	11.14	37.4c	
96	WED	09/15/99	PS051	38.0	57.48	18.58	38.90	37.4c	39.2
104	THUR	09/23/99	PS052	20.0	36.25	17.23	19.02	38.0c	33.1
104	THUR	09/23/99	PS053	19.0	37.36	17.23	20.13	38.0c	
105	FRI	09/24/99	PS054	20.0	35.02	17.23	17.79	64.3c	
105	FRI	09/24/99	PS055	20.0	32.23	17.23	15.00	64.3c	
108	MON	09/27/99	PS056	20.0	34.35	17.23	17.12	38.9c	
108	MON	09/27/99	PS057	15.0	30.80	17.23	13.57	38.9c	
108	MON	09/27/99	PS058	20.0	38.32	17.23	21.09	37.0c	
108	MON	09/27/99	PS059	18.0	34.71	17.23	17.48	37.0c	
108	MON	09/27/99	PS060	15.0	32.43	17.23	15.20	37.0c	
109	TUE	09/28/99	PS061	20.0	36.29	17.23	19.06	37.8c	
109	TUE	09/28/99	PS062	20.5	38.21	17.23	30.98	37.8c	45.8 / 35.2
109	TUE	09/28/99	PS063	18.0	37.61	17.23	20.38	38.2c	
109	TUE	09/28/99	PS064	14.0	33.07	17.23	15.84	38.2c	
109	TUE	09/28/99	PS065	15.0	33.36	17.23	16.13	42.6c	

DZUS Fastener Site

NYSDEC Site ID Number 1-52-033

Waste Manifest Summary By Pay Item

Pay Item 10b

DAY	DATE		Manifest #	Volume Est. (yd^3)	Gross Weight (tn)	Tare Weight (tn)	Pay Weight (tn)	% Solids	Duplicate by ET Lab
111	THUR	09/30/99	PS066	20.0	39.16	17.23	21.93	42.6c	
111	THUR	09/30/99	PS067	20.0	35.98	17.23	18.75	42.6c	39.8
112	FRI	10/01/99	PS068	39.0	51.55	18.59	32.96	40.2c	38.3c
112	FRI	10/01/99	PS069	40.0	49.38	18.58	30.80	41.3	39.0c
113	SAT	10/02/99	PS070	20.0	34.11	17.23	16.88	41.4	
115	MON	10/04/99	PS071	40.0	52.15	18.59	33.56	45.3	42.6
115	MON	10/04/99	PS072	39.5	52.36	18.59	33.77	38.8	38.7
115	MON	10/04/99	PS073	40.0	52.52	18.59	33.93	41.5	
115	MON	10/04/99	PS074	40.0	52.83	18.59	34.24	38.8	-
115	MON	10/04/99	PS075	20.0	34.49	15.63	18.86	42.1	-
116	TUE	10/05/99	PS076	40.0	51.01	18.59	32.42	35.6	-
117	WED	10/06/99	PS077	40.0	58.98	18.59	40.39	35.9	-
117	WED	10/06/99	PS078	40.0	51.13	18.59	32.54	36.3	
117	WED	10/06/99	PS079	40.0	54.67	18.59	36.08	41.4	-
118	THUR	10/07/98	PS080	40.0	57.69	18.59	39.10	39.9	-
118	THUR	10/07/99	PS081	20.0	36.35	15.63	20.72	39.2	-
118	THUR	10/07/99	PS082	40.0	51.12	18.59	32.53	39.2	-
118	THUR	10/07/99	PS083	40.0	48.95	18.59	30.36	39.2	
119	FRI	10/08/99	PS084	40.0	52.65	18.59	34.06	40.9	
123	TUE	10/12/99	PS085	40.0	53.21	18.59	34.62	40.0	33.0
123	TUE	10/12/99	PS086	40.0	55.88	18.58	37.30	39.2	
123	TUE	10/12/99	PS087	45.0	55.82	18.58	37.24	36.2	
126	FRI	10/15/99	PS088	40.0	50.08	18.59	31.49	44.4	
126	FRI	10/15/99	PS089	40.0	53.43	18.59	34.84	37.3	
132	THUR	10/21/99	PS090	40.0	60.25	18.58	41.67	40.3	
132	THUR	10/21/99	PS091	40.0	45.00	18.59	26.41	40.3	
134	SAT	10/23/99	PS092	40.0	57.79	18.58	39.21	44.7	
138	WED	10/27/99	PS093	40.0	54.05	18.59	35.46	39.5	
138	WED	10/27/99	PS094	40.0	52.19	18.59	33.60	42.4	
140	FRI	10/29/99	PS095	40.0	50.72	18.58	32.14	39.4	
140	FRI	10/29/99	PS096	40.0	35.83	18.58	17.25	39.4	
143	MON	11/01/99	PS097	40.0	51.95	18.58	33.37	41.0	
144	TUE	11/02/99	PS098	40.0	54.01	18.58	35.43	40.1	

DZUS Fastener Site

NYSDEC Site ID Number 1-52-033

Waste Manifest Summary By Pay Item

Pay Item 10b

DAY	DATE		Manifest #	Volume Est. (yd^3)	Gross Weight (tn)	Tare Weight (tn)	Pay Weight (tn)	% Solids	Duplicate by ET Lab
146	THUR	11/04/99	PS099	20.0	37.04	17.50	19.54	40.6	
146	THUR	11/04/99	PS100	40.0	55.98	18.58	37.40	58.4	
146	THUR	11/04/99	PS101	40.0	57.20	18.58	38.62	46.0	
147	FRI	11/05/99	PS102	20.0	34.74	17.50	17.24	51.1	
147	FRI	11/05/99	PS103	20.0	37.34	17.50	19.84		
151	TUE	11/09/99	PS104	40.0	46.75	18.59	28.16	43.1	
153	THUR	11/11/99	PS105	20.0	37.48	17.50	19.98	46.4	
153	THUR	11/11/99	PS106	15.0	28.39	17.50	10.89		
157	MON	11/15/99	PS107	15.0	28.65	18.58	10.07	43.7	
157	MON	11/15/99	PS108	15.0	39.93	17.5	22.43		
161	FRI	11/19/99	PS109	35.0	47.89	18.59	29.30	48.7	
162	SAT	11/20/99	PS110	38.0	55.76	18.58	37.18		
162	SAT	11/20/99	PS111	38.0	52	18.59	33.41	38.6	
162	SAT	11/20/99	PS112	15.0	32.23	17.5	14.73	37.7	
162	SAT	11/20/99	PS113	15.0	30.11	17.5	12.61		
165	TUE	11/23/99	PS114	40.0	59.63	18.59	41.04	43.6	
165	TUE	11/23/99	PS115	40.0	55.65	18.59	37.06	22.5	
166	WED	11/24/99	PS116	38.0	52.98	18.59	34.39	22.5	
171	MON	11/30/99	PS117	38.0	56.96	18.59	38.37	38.2	
171	MON	11/30/99	PS118	40.0	56	18.58	37.42	43.5	
173	WED	12/01/99	PS119	40.0	57.98	18.58	39.40		
174	THUR	12/02/99	PS120	40.0	59.6	18.58	41.02	42.9	
174	THUR	12/02/99	PS121	15.0	33.18	17.5	15.68	41.8	
174	THUR	12/02/99	PS122	15.0	35.27	17.5	17.77		
174	THUR	12/02/99	PS123	15.0	32.16	17.5	14.66		

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Pay Item 10d

DAY	DATE		Manifest #	Source	Type	Volume (yd^3)
39	TUE	07/20/99	LC001	Lagoon	sludge	27.0
39	TUE	07/20/99	LC002	Lagoon	sludge	30.5
39	TUE	07/20/99	LC003	Lagoon	sludge	12.0
39	TUE	07/20/99	LC004	Lagoon	sludge	12.0
40	WED	07/21/99	LC005	Lagoon	sludge	30.5
40	WED	07/21/99	LC006	Lagoon	sludge	27.0
40	WED	07/21/99	LC007	Lagoon	sludge	30.5
40	WED	07/21/99	LC008	Lagoon	sludge	11.0
40	WED	07/21/99	LC009	Lagoon	sludge	10.5
41	THUR	07/22/99	LC010	Lagoon	sludge	25.0
41	THUR	07/22/99	LC011	Lagoon	sludge	31.0
41	THUR	07/22/99	LC012	Lagoon	sludge	30.0
46	TUE	07/27/99	LC013	Lagoon	sludge	12.0
53	TUE	08/03/99	LC014	Willetts Creek	sludge	34.0
53	TUE	08/03/99	LC015	Willetts Creek	sludge	35.0
53	TUE	08/03/99	LC016	Willetts Creek	sludge	35.0
53	TUE	08/03/99	LC017	Willetts Creek	sludge	8.0
54	WED	08/04/99	LC018	Willetts Creek	sludge	38.5
54	WED	08/04/99	LC019	Willetts Creek	sludge	39.0
54	WED	08/04/99	LC020	Willetts Creek	sludge	32.5
54	WED	08/04/99	LC021	Willetts Creek	sludge	30.0
56	FRI	08/06/99	LC022	Yard Waste	sludge	15.0
61	WED	08/11/99	LC023	Lake	stone	10.5
62	THUR	08/12/99	NP001	Lake	sand	12.0
66	MON	08/16/99	NP002	Lake	stone	11.0
66	MON	08/16/99	NP003	Lake	sand	11.0
67	TUE	08/17/99	NP004	Lake	sand	8.0
68	WED	08/18/99	NP005	Lake	stone	8.0
68	WED	08/18/99	NP006	Lake	sand	8.0
69	WED	08/19/99	NP007	Lake	sand	4.5
69	WED	08/19/99	NP008	Lake	sand	10.0
73	MON	08/23/99	NP009	Lake	sand	14.0
76	THUR	08/26/99	NP010	Lake	sand	32.5
77	FRI	08/27/99	NP011	Lake	sand	20.0
77	FRI	08/27/99	NP012	Lake	sand	13.0
77	FRI	08/27/99	NP013	Lake	sand	12.0
78	SAT	08/28/99	NP014	Lake	sand	7.0
78	SAT	08/28/99	NP015	Lake	sand	27.0
78	SAT	08/28/99	NP016	Lake	sand	16.0

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DAY	DATE		Manifest #	Source	Type	Volume (yd^3)
78	SAT	08/28/99	NP017	Lake	sand	14.0
78	SAT	08/28/99	NP018	Lake	sand	27.0
81	TUE	08/31/99	NP019	Lake	sand	35.5
81	TUE	08/31/99	NP020	Lake	stone	15.0
81	TUE	08/31/99	NP021	Lake	sand	9.0
81	TUE	08/31/99	NP022	Lake	sand	16.0
81	TUE	08/31/99	NP023	Lake	stone	12.0
81	TUE	08/31/99	NP024	Lake	sand	26.0
82	WED	09/01/99	NP025	Lake	sand	25.0
82	WED	09/01/99	NP026	Lake	sand	11.0
83	THUR	09/02/99	NP027	Lake	sand	25.0
83	THUR	09/02/99	NP028	Lake	stone	12.0
83	THUR	09/02/99	NP029	Lake	sand	12.5
83	THUR	09/02/99	NP030	Lake	stone	8.5
83	THUR	09/02/99	NP031	Lake	sand	27.0
83	THUR	09/02/99	NP032	Lake	stone	19.5
84	FRI	09/03/99	NP033	Lake	sand	11.0
84	FRI	09/03/99	NP034	Lake	sand	20.0
84	FRI	09/03/99	NP035	Lake	stone	13.5
84	FRI	09/03/99	NP036	Lake	sand	18.0
88	TUE	09/07/99	NP037	Lake	sand	12.5
88	TUE	09/07/99	NP038	Lake	stone	9.0
88	TUE	09/07/99	NP039	Lake	sand	26.0
88	TUE	09/07/99	NP040	Lake	stone	15.0
89	WED	09/08/99	NP041	Lake	sand	19.5
90	THUR	09/09/99	NP042	Lake	stone	9.0
90	THUR	09/09/99	NP043	Lake	sand	8.5
90	THUR	09/09/99	NP044	Lake	sand	20.0
90	THUR	09/09/99	NP045	Lake	sand	16.0
90	THUR	09/09/99	NP046	Lake	stone	13.0
90	THUR	09/09/99	NP047	Lake	sand	9.5
92	SAT	09/11/99	NP048	Lake	stone	12.0
92	SAT	09/11/99	NP049	Lake	sand	10.0
92	SAT	09/11/99	NP050	Lake	sand	15.5
92	SAT	09/11/99	NP051	Lake	sand	14.0
94	MON	09/13/99	NP052	Lake	wood/stn	12.0
94	MON	09/13/99	NP053	Lake	sand	15.0
94	MON	09/13/99	NP054	Lake	sand	11.0
95	TUE	09/14/99	NP055	Lake	wood/stn	12.5

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DAY	DATE		Manifest #	Source	Type	Volume (yd^3)
95	TUE	09/14/99	NP056	Lake	wood/stn	12.5
95	TUE	09/14/99	NP057	Lake	sand	12.0
95	TUE	09/14/99	NP058	Lake	sand	7.0
95	TUE	09/14/99	NP059	Lake	sand	13.0
96	WED	09/15/99	NP060	Lake	wood/stn	14.5
96	WED	09/15/99	NP061	Lake	sand	10.0
97	THUR	09/16/99	NP062	Lake	wood/stn	12.0
97	THUR	09/16/99	NP063	Lake	sand	30.0
97	THUR	09/16/99	NP064	Lake	wood/stn	12.0
101	MON	09/20/99	NP065	Lake	stone	13.0
102	TUE	09/21/99	NP066	Lake	stone	14.0
102	TUE	09/21/99	NP067	Lake	stone	13.0
102	TUE	09/21/99	NP068	Lake	sand	38.5
102	TUE	09/21/99	NP069	Lake	sand	15.0
102	TUE	09/21/99	NP070	Lake	sand	13.0
102	TUE	09/21/99	NP071	Lake	sand	14.0
103	WED	09/22/99	NP072	Lake	sand	12.0
103	WED	09/22/99	NP073	Lake	sand	15.0
103	WED	09/22/99	NP074	Lake	stone	13.0
103	WED	09/22/99	NP075	Lake	sand	12.0
103	WED	09/22/99	NP076	Lake	stone	12.0
104	THUR	09/23/99	NP077	Lake	sand	10.0
104	THUR	09/23/99	NP078	Lake	sand	13.0
104	THUR	09/23/99	NP079	Lake	sand	14.0
104	THUR	09/23/99	NP080	Lake	sand	14.0
104	THUR	09/23/99	NP081	Lake	sand	9.0
105	FRI	09/24/99	NP082	Lake	sand	10.0
105	FRI	09/24/99	NP083	Lake	stone	14.0
105	FRI	09/24/99	NP084	Lake	sand	13.0
105	FRI	09/24/99	NP085	Lake	sand	13.0
108	MON	09/27/99	NP086	Lake	stone	14.0
109	TUE	09/28/99	NP087	Lake	sand	14.0
109	TUE	09/28/99	NP088	Lake	sand	9.0
109	TUE	09/28/99	NP089	Lake	sand	15.0
110	WED	09/29/99	NP090	Lake	sand	25.0
110	WED	09/29/99	NP091	Lake	sand	25.0
110	WED	09/29/99	NP092	Lake	stone	14.0
111	THUR	09/30/99	NP093	Lake	sand	17.0
111	THUR	09/30/99	NP094	Lake	stone	14.0

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DAY	DATE		Manifest #	Source	Type	Volume (yd^3)
111	THUR	09/30/99	NP095	Lake	sand	14.0
112	FRI	10/01/99	NP096	Lake	sand	13.0
112	FRI	10/01/99	NP097	Lake	stone	14.0
112	FRI	10/01/99	NP098	Lake	sand	13.0
112	FRI	10/01/99	NP099	Lake	sand	15.0
113	SAT	10/02/99	NP100	Lake	sand	13.0
113	SAT	10/02/99	NP101	Lake	sand	14.0
113	SAT	10/02/99	NP102	Lake	sand	?
113	SAT	10/02/99	NP103	Lake	stone	17.0
113	SAT	10/02/99	NP104	Lake	sand	11.0
115	MON	10/04/99	NP105	Lake	sand	14.5
115	MON	10/04/99	NP106	Lake	sand	13.0
115	MON	10/04/99	NP107	Lake	sand	14.0
116	TUE	10/05/99	NP108	Lake	sand	15.0
116	TUE	10/05/99	NP109	Lake	stone	13.0
116	TUE	10/05/99	NP110	Lake	sand	14.0
116	TUE	10/05/99	NP111	Lake	stone	13.0
116	TUE	10/05/99	NP112	Lake	sand	unknown
116	TUE	10/05/99	NP113	Lake	stone	12.0
117	WED	10/06/99	NP114	Lake	sand	15.0
117	WED	10/06/99	NP115	Lake	mix stn/snd	15.0
117	WED	10/06/99	NP116	Lake	stone	13.5
117	WED	10/06/99	NP117	Lake	sand	14.0
118	THUR	10/07/99	NP118	Lake	sand	14.0
118	THUR	10/07/99	NP119	Lake	sand	13.0
118	THUR	10/07/99	NP120	Lake	mix stn/snd	14.0
119	FRI	10/08/99	NP121	Lake	sand	15.0
119	FRI	10/08/99	NP122	Lake	sand	12.0
119	FRI	10/08/99	NP123	Lake	stone	13.0
119	FRI	10/08/99	NP124	Lake	sand	12.0
120	SAT	10/09/99	NP125	Lake	sand	15.0
120	SAT	10/09/99	NP126	Lake	stone	15.0
120	SAT	10/09/99	NP127	Lake	mix stn/snd	15.0
122	MON	10/11/99	NP128	Lake	stone	
123	TUE	10/12/99	NP129	Lake	sand	30.0
124	WED	10/13/99	NP130	Lake	stone	15.0
124	WED	10/13/99	NP131	Lake	sand	35.0
124	WED	10/13/99	NP132	Lake	sand	38.0
125	THUR	10/14/99	NP133	Lake	stone	22.0

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DAY	DATE		Manifest #	Source	Type	Volume (yd^3)
125	THUR	10/14/99	NP134	Lake	stone	18.0
125	THUR	10/14/99	NP135	Lake	sand	30.0
125	THUR	10/14/99	NP136	Lake	stone	15.0
126	FRI	10/15/99	NP137	Lake	mix stn/snd	20.0
126	FRI	10/15/99	NP138	Lake	mix stn/snd	22.0
126	FRI	10/15/99	NP139	Lake	mix stn/snd	14.0
126	FRI	10/15/99	NP140	Lake	sand	20.0
127	SAT	10/16/99	NP141	Lake	mix stn/snd	14.0
127	SAT	10/16/99	NP142	Lake	mix stn/snd	20.0
127	SAT	10/16/99	NP143	Lake	sand	38.0
127	SAT	10/16/99	NP144	Lake	mix stn/snd	20.0
127	SAT	10/16/99	NP145	Lake	mix stn/snd	38.0
127	SAT	10/16/99	NP146	Lake	mix stn/snd	20.0
127	SAT	10/16/99	NP147	Lake	mix stn/snd	40.0
127	SAT	10/16/99	NP148	Lake	stone	15.0
129	MON	10/18/99	NP149	Lake	mix stn/snd	15.0
129	MON	10/18/99	NP150	Lake	sand	15.0
129	MON	10/18/99	NP151	Lake	stone	20.0
129	MON	10/18/99	NP152	Lake	sand	32.0
129	MON	10/18/99	NP153	Lake	stone	40.0
129	MON	10/18/99	NP154	Lake	sand	15.0
130	TUE	10/19/99	NP155	Lake	mix stn/snd	13.0
131	WED	10/20/99	NP156	Lake	mix stn/snd	40.0
132	THUR	10/21/99	NP157	Lake	mix stn/snd	36.0
133	FRI	10/22/99	NP158	Lake	stone	20.0
134	SAT	10/23/99	NP159	Lake	mix stn/snd	38.0
136	MON	10/25/99	NP160	Lake	mix stn/snd	38.0
136	MON	10/25/99	NP161	Lake	mix stn/snd	17.0
136	MON	10/25/99	NP162	Lake	mix stn/snd	20.0
136	MON	10/25/99	NP163	Lake	sand	30.0
137	MON	10/25/99	NP164	Lake	mix stn/snd	15.0
137	MON	10/25/99	NP165	Lake	sand	15.0
138	TUE	10/26/99	NP166	Lake	mix stn/snd	17.0
138	TUE	10/26/99	NP167	Lake	mix stn/snd	22.0
138	TUE	10/26/99	NP168	Lake	mix stn/snd	20.0
138	TUE	10/26/99	NP169	Lake	mix stn/snd	18.0
138	TUE	10/26/99	NP170	Lake	sand	35.0
139	WED	10/27/99	NP171	Lake	mix stn/snd	15.0
139	WED	10/27/99	NP172	Lake	sand	25.0

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DAY	DATE		Manifest #	Source	Type	Volume (yd^3)
140	THUR	10/28/99	NP173	Lake	sand	15.0
140	THUR	10/28/99	NP174	Lake	mix stn/snd	21.5
140	THUR	10/28/99	NP175	Lake	sand	40.0
140	THUR	10/28/99	NP176	Lake	sand	12.0
140	THUR	10/28/99	NP177	Lake	sand	38.0
141	FRI	10/29/99	NP178	Lake	mix stn/snd	35.0
141	FRI	10/29/99	NP179	Lake	mix stn/snd	15.0
141	FRI	10/29/99	NP180	Lake	sand	38.0
143	MON	11/01/99	NP181	Lake	sand	40.0
143	MON	11/01/99	NP182	Lake	sand	13.0
143	MON	11/01/99	NP183	Lake	sand	14.0
144	TUE	11/02/99	NP184	Lake	sand	15.0
145	WED	11/03/99	NP185	Lake	mix stn/snd	20.0
147	FRI	11/05/99	NP186	Lake	mix stn/snd	12.0
147	FRI	11/05/99	NP187	Lake	mix stn/snd	12.0
148	SAT	11/06/99	NP188	Lake	mix stn/snd	40.0
150	MON	11/08/99	NP189	Lake	mix stn/snd	38.0
150	MON	11/08/99	NP190	Lake	sand	40.0
150	MON	11/08/99	NP191	Lake	sand	38.0
150	MON	11/08/99	NP192	Lake	sand	38.0
151	TUE	11/09/99	NP193	Lake	mix stn/snd	36.0
151	TUE	11/09/99	NP194	Lake	mix stn/snd	38.0
151	TUE	11/09/99	NP195	Lake	mix stn/snd	38.0
151	TUE	11/09/99	NP196	Lake	sand	38.0
153	THUR	11/11/99	NP197	Lake	mix stn/snd	38.0
153	THUR	11/11/99	NP198	Lake	mix stn/snd	36.0
153	THUR	11/11/99	NP199	Lake	mix stn/snd	36.0
153	THUR	11/11/99	NP200	Lake	sand	38.0
153	THUR	11/11/99	NP201	Lake	sand	38.0
154	FRI	11/12/99	NP202	Lake	mix stn/snd	38.0
154	FRI	11/12/99	NP203	Lake	mix stn/snd	38.0
154	FRI	11/12/99	NP204	Lake	mix stn/snd	38.0
154	FRI	11/12/99	NP205	Lake	mix stn/snd	38.0
154	FRI	11/12/99	NP206	Lake	mix stn/snd	38.0
154	FRI	11/12/99	NP207	Lake	mix stn/snd	38.0
157	MON	11/15/99	NP208	Lake	mix stn/snd	38.0
157	MON	11/15/99	NP209	Lake	mix stn/snd	38.0
157	MON	11/15/99	NP210	Lake	mix stn/snd	38.0
157	MON	11/15/99	NP211	Lake	mix stn/snd	38.0

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DAY	DATE		Manifest #	Source	Type	Volume (yd^3)
157	MON	11/15/99	NP212	Lake	mix stn/snd	38.0
157	MON	11/15/99	NP213	Lake	mix stn/snd	37.0
157	MON	11/15/99	NP214	Lake	mix stn/snd	39.0
158	TUE	11/16/99	NP215	Lake	mix stn/snd	38.0
158	TUE	11/16/99	NP216	Lake	mix stn/snd	38.0
158	TUE	11/16/99	NP217	Lake	mix stn/snd	38.0
158	TUE	11/16/99	NP218	Lake	mix stn/snd	38.0
158	TUE	11/16/99	NP219	Lake	mix stn/snd	38.0
158	TUE	11/16/99	NP220	Lake	mix stn/snd	38.0
158	TUE	11/16/99	NP221	Lake	mix stn/snd	38.0
159	WED	11/17/99	NP222	Lake	mix stn/snd	38.0
159	WED	11/17/99	NP223	Lake	mix stn/snd	38.0
159	WED	11/17/99	NP224	Lake	mix stn/snd	38.0
159	WED	11/17/99	NP225	Lake	mix stn/snd	38.0
159	WED	11/17/99	NP226	Lake	mix stn/snd	38.0
159	WED	11/17/99	NP227	Lake	mix stn/snd	38.0
159	WED	11/17/99	NP228	Lake	mix stn/snd	38.0
159	WED	11/17/99	NP229	Lake	mix stn/snd	38.0
159	WED	11/17/99	NP230	Lake	mix stn/snd	38.0
161	FRI	11/19/99	NP231	Lake	mix stn/snd	38.0
161	FRI	11/19/99	NP232	Lake	mix stn/snd	38.0
161	FRI	11/19/99	NP233	Lake	mix stn/snd	38.0
161	FRI	11/19/99	NP234	Lake	mix stn/snd	38.0
161	FRI	11/19/99	NP235	Lake	mix stn/snd	38.0
161	FRI	11/19/99	NP236	Lake	mix stn/snd	38.0
161	FRI	11/19/99	NP237	Lake	mix stn/snd	38.0
161	FRI	11/19/99	NP238	Lake	mix stn/snd	38.0
161	FRI	11/19/99	NP239	Lake	mix stn/snd	38.0
161	FRI	11/19/99	NP240	Lake	sand	38.0
161	FRI	11/19/99	NP241	Lake	sand	38.0
161	FRI	11/19/99	NP242	Lake	sand	38.0
162	SAT	11/20/99	NP243	Lake	mix stn/snd	38.0
162	SAT	11//20/99	NP244	Lake	mix stn/snd	38.0
162	SAT	11/20/99	NP245	Lake	mix stn/snd	38.0
162	SAT	11/20/99	NP246	Lake	mix stn/snd	38.0
163	SUN	11/21/99	NP247	Lake	mix stn/snd	38.0
163	SUN	11/21/99	NP248	Lake	mix stn/snd	38.0
163	SUN	11/21/99	NP249	Lake	mix stn/snd	38.0
163	SUN	11/21/99	NP250	Lake	mix stn/snd	38.0

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Waste Manifest Summary By Pay Item

Pay Item 10d

DAY	DATE		Manifest #	Source	Type	Volume (yd^3)
164	MON	11/22/99	NP251	Lake	mix stn/snd	38.0
164	MON	11/22/99	NP252	Lake	mix stn/snd	38.0
164	MON	11/22/99	NP253	Lake	mix stn/snd	38.0
164	MON	11/22/99	NP254	Lake	mix stn/snd	38.0
164	MON	11/22/99	NP255	Lake	mix stn/snd	38.0
164	MON	11/22/99	NP256	Lake	mix stn/snd	38.0
164	MON	11/22/99	NP257	Lake	mix stn/snd	38.0
164	MON	11/22/99	NP258	Lake	mix stn/snd	38.0
164	MON	11/22/99	NP259	Lake	mix stn/snd	38.0
164	MON	11/22/99	NP260	Lake	mix stn/snd	38.0
165	TUE	11/23/99	NP261	Lake	mix stn/snd	38.0
165	TUE	11/23/99	NP262	Lake	mix stn/snd	38.0
165	TUE	11/23/99	NP263	Lake	mix stn/snd	38.0
165	TUE	11/23/99	NP264	Lake	mix stn/snd	38.0
166	WED	11/24/99	NP265	Lake	mix stn/snd	38.0
166	WED	11/24/99	NP266	Lake	mix stn/snd	38.0
171	MON	11/29/99	NP267	Lake	mix stn/snd	38.0
171	MON	11/29/99	NP268	Lake	mix stn/snd	38.0
171	MON	11/29/99	NP269	Lake	mix stn/snd	38.0
171	MON	11/29/99	NP270	Lake	mix stn/snd	38.0
172	TUE	11/30/99	NP271	Lake	mix stn/snd	38.0
172	TUE	11/30/99	NP272	Lake	mix stn/snd	38.0
172	TUE	11/30/99	NP273	Lake	mix stn/snd	38.0
172	TUE	11/30/99	NP274	Lake	mix stn/snd	38.0
172	TUE	11/30/99	NP275	Lake	mix stn/snd	38.0
172	TUE	11/30/99	NP276	Lake	mix stn/snd	38.0
173	WED	12/01/99	NP277	Lake	mix stn/snd	38.0
173	WED	12/01/99	NP278	Lake	mix stn/snd	38.0
173	WED	12/01/99	NP279	Lake	mix stn/snd	38.0
174	THUR	12/02/99	NP280	Lake	mix stn/snd	38.0
174	THUR	12/02/99	NP281	Lake	mix stn/snd	38.0
175	FRI	12/03/99	NP282	Lake	mix stn/snd	38.0
175	FRI	12/03/99	NP283	Lake	mix stn/snd	38.0
175	FRI	12/03/99	NP284	Lake	mix stn/snd	38.0
175	FRI	12/03/99	NP285	Lake	mix stn/snd	38.0
175	FRI	12/03/99	NP286	Lake	mix stn/snd	38.0
175	FRI	12/03/99	NP287	Lake	mix stn/snd	38.0
176	SAT	12/04/99	NP288	Lake	mix stn/snd	38.0
176	SAT	12/04/99	NP289	Lake	mix stn/snd	38.0

DZUS Fastener Site

NYSDEC Site ID Number 1-52-033

Waste Manifest Summary By Pay Item

Pay Item 10d

DAY	DATE		Manifest #	Source	Type	Volume (yd^3)
176	SAT	12/04/99	NP290	Lake	mix stn/snd	38.0
176	SAT	12/04/99	NP291	Lake	mix stn/snd	38.0
176	SAT	12/04/99	NP292	Lake	mix stn/snd	38.0
176	SAT	12/04/99	NP293	Lake	mix stn/snd	38.0
176	SAT	12/04/99	NP294	Lake	mix stn/snd	38.0
177	SUN	12/05/99	NP295	Lake	mix stn/snd	38.0
177	SUN	12/05/99	NP296	Lake	mix stn/snd	38.0
177	SUN	12/05/99	NP297	Lake	mix stn/snd	38.0
177	SUN	12/05/99	NP298	Lake	mix stn/snd	38.0
177	SUN	12/05/99	NP299	Lake	mix stn/snd	38.0
178	MON	12/06/99	NP300	Lake	mix stn/snd	38.0
178	MON	12/06/99	NP301	Lake	mix stn/snd	38.0
178	MON	12/06/99	NP302	Lake	mix stn/snd	38.0
178	MON	12/06/99	NP303	Lake	mix stn/snd	38.0
178	MON	12/06/99	NP304	Lake	mix stn/snd	38.0
178	MON	12/06/99	NP305	Lake	mix stn/snd	38.0
178	MON	12/06/99	NP306	Lake	mix stn/snd	38.0
179	TUE	12/07/99	NP307	Lake	mix stn/snd	38.0
179	TUE	12/07/99	NP308	Lake	mix stn/snd	38.0
179	TUE	12/07/99	NP309	Lake	mix stn/snd	38.0
179	TUE	12/07/99	NP310	Lake	mix stn/snd	38.0
179	TUE	12/07/99	NP311	Lake	mix stn/snd	38.0
179	TUE	12/07/99	NP312	Lake	mix stn/snd	38.0
180	WED	12/08/99	NP313	Lake	mix stn/snd	38.0
180	WED	12/08/99	NP314	Lake	mix stn/snd	38.0
180	WED	12/08/99	NP315	Lake	mix stn/snd	38.0
180	WED	12/08/99	NP316	Lake	mix stn/snd	38.0
180	WED	12/08/99	NP317	Lake	mix stn/snd	38.0
181	THUR	12/09/99	NP318	Lake	mix stn/snd	38.0
181	THUR	12/09/99	NP319	Lake	mix stn/snd	38.0
181	THUR	12/09/99	NP320	Lake	mix stn/snd	38.0
181	THUR	12/09/99	NP321	Lake	mix stn/snd	38.0
181	THUR	12/09/99	NP322	Lake	mix stn/snd	38.0
181	THUR	12/09/99	NP323	Lake	mix stn/snd	38.0
181	THUR	12/09/99	NP324	Lake	mix stn/snd	38.0
182	FRI	12/10/99	NP325	Lake	mix stn/snd	38.0
182	FRI	12/10/99	NP326	Lake	mix stn/snd	38.0
183	SAT	12/11/99	NP327	Lake	mix stn/snd	38.0
183	SAT	12/11/99	NP328	Lake	mix stn/snd	38.0

DZUS Fastener Site

NYSDEC Site ID Number 1-52-033

Waste Manifest Summary By Pay Item

Pay Item 10d

DAY	DATE		Manifest #	Source	Type	Volume (yd^3)
183	SAT	12/11/99	NP329	Lake	mix stn/snd	38.0
183	SAT	12/11/99	NP330	Lake	mix stn/snd	38.0
183	SAT	12/11/99	NP331	Lake	mix stn/snd	38.0
183	SAT	12/11/99	NP332	Lake	mix stn/snd	38.0
183	SAT	12/11/99	NP333	Lake	mix stn/snd	38.0
183	SAT	12/11/99	NP334	Lake	mix stn/snd	38.0
185	MON	12/13/99	NP335	Lake	mix stn/snd	38.0
185	MON	12/13/99	NP336	Lake	mix stn/snd	38.0
185	MON	12/13/99	NP337	Lake	mix stn/snd	38.0
185	MON	12/13/99	NP338	Lake	mix stn/snd	38.0
185	MON	12/13/99	NP339	Lake	mix stn/snd	38.0
185	MON	12/13/99	NP340	Lake	mix stn/snd	38.0
186	TUE	12/14/99	NP341	Lake	mix stn/snd	38.0
186	TUE	12/14/99	NP342	Lake	mix stn/snd	38.0
187	WED	12/15/99	NP343	Lake	mix stn/snd	38.0
188	THUR	12/16/99	NP344	Lake	mix stn/snd	38.0
189	FRI	12/17/99	NP345	Lake	mix stn/snd	38.0
189	FRI	12/17/99	NP346	Lake	ed/tnkslg,san	38.0
189	FRI	12/17/99	NP347	Lake	ed/tnkslg,san	38.0
189	FRI	12/17/99	NP348	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP349	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP350	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP351	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP352	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP353	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP354	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP355	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP356	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP357	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP358	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP359	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP360	Lake	ed/tnkslg,san	38.0
192	MON	12/20/99	NP361	Lake	ed/tnkslg,san	38.0
193	TUE	12/21/99	NP362	Lake	ed/tnkslg,san	38.0
194	WED	12/22/99	NP363	Lake	ed/tnkslg,san	38.0
194	WED	12/22/99	NP364	Lake	ed/tnkslg,san	38.0
194	WED	12/22/99	NP365A	Lake	ed/tnkslg,san	38.0
194	WED	12/22/99	NP365B	Lake	ed/tnkslg,san	38.0
194	WED	12/22/99	NP366	Lake	ed/tnkslg,san	38.0

DZUS Fastener Site

NYSDEC Site ID Number 1-52-033

Waste Manifest Summary By Pay Item

Pay Item 10d

DAY	DATE		Manifest #	Source	Type	Volume (yd^3)
194	WED	12/22/99	NP367	Lake	ed/tnkslg,san	38.0
194	WED	12/22/99	NP368	Lake	ed/tnkslg,san	38.0
194	WED	12/22/99	NP369	Lake	ed/tnkslg,san	38.0
194	WED	12/22/99	NP370	Lake	ed/tnkslg,san	38.0
194	WED	12/22/99	NP371	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP372A	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP372B	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP373	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP374	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP375	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP376	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP377	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP378	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP379	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP380	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP381	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP382	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP383	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP384	Lake	ed/tnkslg,san	38.0
199	MON	12/27/99	NP385	Lake	ed/tnkslg,san	38.0
199	MON	12/27/99	NP386	Lake	ed/tnkslg,san	38.0
199	MON	12/27/99	NP387	Lake	ed/tnkslg,san	38.0
199	MON	12/27/99	NP388	Lake	ed/tnkslg,san	38.0
199	MON	12/27/99	NP389	Lake	ed/tnkslg,san	38.0
199	MON	12/27/99	NP390	Lake	ed/tnkslg,san	38.0
199	MON	12/27/99	NP391	Lake	ed/tnkslg,san	38.0
199	MON	12/27/99	NP392	Lake	ed/tnkslg,san	38.0
						11,650.0

DZUS Fastener Site

NYSDEC Site ID Number 1-52-033

Waste Manifest Summary By Pay Item

Pay Item 10f

DAY	DATE		Manifest #	Source	Type	Volume (yd^3)	
48	THUR	7/29/99	DD001	Lake Shoreline	c&d	13	
49	FRI	7/30/99	DD002	Lake Shoreline	c&d	14	
49	FRI	7/30/99	DD003	Lake Shoreline	c&d	18.0	
49	FRI	7/30/99	DD004	Lake Shoreline	c&d	17.0	
52	MON	8/2/99	DD005	Willetts Creek	c&d	9.0	
52	MON	8/2/99	DD006	Willetts Creek	c&d	14.5	
53	TUE	8/3/99	DD007	Willetts Creek	c&d	15.5	101cy
54	WED	8/4/99	DD008	Willetts Creek	c&d	35.0	
54	WED	8/4/99	DD009	Willetts Creek	c&d	30.0	
56	FRI	8/6/99	DD010	Willetts Creek	c&d	16.0	
56	FRI	8/6/99	DD011	Willetts Creek	c&d	17.0	
57	SAT	8/7/99	DD012	Willetts Creek	c&d	17.0	
150	MON	11/8/99	DD013	Lake Capri	lake debri	8.0	
192	MON	12/20/99	DD014	Lake Capri	lake debri	20.0	
						244	

Lake Shoreline Debris - 62cy
Willetts Creek - 154cy 60 estimated
Lake Debris - 28cy 40 estimated

Waste Manifest Summary By Pay Item Pay Item 10b									
DAY	DATE		Manifest #	Volume Est. (yd^3)	Gross Weight (tn)	Tare Weight (tn)	Pay Weight (tn)	% Solids	Duplicate by ET Lab
60	TUE	08/10/99	PS001	4.0	22.04	18.27	3.77	41.9	
60	TUE	08/10/99	PS002	4.0	20.34	18.27	2.07	39.9	43.2
61	WED	08/11/99	PS003	38.0	45.06	18.59	26.47	45.5	
61	WED	08/11/99	PS004	22.0	38.84	18.59	20.25	48.4	
62	THUR	08/12/99	PS005	30.0	46.19	18.59	27.60	49.9	49.7
66	MON	08/16/99	PS006	35.0	51.07	18.59	32.48	55.9	53.4
68	WED	08/18/99	PS007	38.0	56.98	18.59	38.39	41.0	38.7
73	MON	08/23/99	PS008	38.5	49.12	18.59	30.53	42.4	41.8
73	MON	08/23/99	PS009	18.0	30.30	17.23	13.07	43.1	36.3
75	WED	08/25/99	PS010	30.0	46.76	18.59	28.17	36.9	36.4
76	THUR	08/26/99	PS011	40.0	54.59	18.59	36.00	44.2	46.6
76	THUR	08/26/99	PS012	20.0	35.65	17.23	18.42	47.8	46.9
77	FRI	08/27/99	PS013	39.5	49.98	18.59	31.39	37.1	43.0
77	FRI	08/27/98	PS014	39.0	54.02	18.59	35.43	41.9	42.4
77	FRI	08/27/99	PS015	38.0	52.32	18.59	33.73	42.3	42.3
77	FRI	08/27/99	PS016	20.0	35.18	17.23	17.95	80.4	
77	FRI	08/27/99	PS017	38.0	49.10	18.58	30.52	34.7	
78	SAT	08/28/99	PS018	24.0	40.18	17.23	22.95	45.2	
78	SAT	08/28/99	PS019	38.0	49.04	18.59	30.45	43.6	
78	SAT	08/28/99	PS020	20.0	32.78	17.23	15.55	46.2	
78	SAT	08/28/99	PS021	38.0	44.75	18.59	26.16	37.9	
80	MON	08/30/99	PS022	10.0	25.89	17.23	8.66	47.0	
80	MON	08/30/99	PS023	40.0	55.05	18.49	36.46	40.2	
80	MON	08/30/99	PS024	16.5	32.65	17.23	15.42	42.3	
81	TUE	08/31/99	PS025	37.0	48.84	18.59	30.25	46.4	
82	WED	09/01/99	PS026	43.0	55.63	18.59	37.04	42.9	
82	WED	09/01/99	PS027	39.0	57.98	18.59	39.39	47.0	
82	WED	09/01/99	PS028	20.0	34.35	17.23	17.12	42.3	
82	WED	09/01/99	PS029	40.0	53.85	18.59	35.26	46.3	48.0
82	WED	09/01/99	PS030	14.0	28.35	17.23	11.12	46.2	
82	WED	09/01/99	PS031A	19.0	31.15	17.23	13.92	46.0	
83	THUR	09/02/99	PS031B	38.0	53.14	18.59	34.55		
83	THUR	09/02/99	PS032	20.0	33.35	17.23	16.12	50.1	45.5
83	THUR	09/02/99	PS033	38.0	54.23	18.59	35.64	45.3 c	27.9c
83	THUR	09/02/99	PS034	18.5	36.11	17.23	18.88	45.3 c	27.9c
84	FRI	09/03/99	PS035	36.0	50.82	18.59	32.23	41.1 c	40.1 c

Waste Manifest Summary By Pay Item Pay Item 10b									
DAY	DATE		Manifest #	Volume Est. (yd^3)	Gross Weight (tn)	Tare Weight (tn)	Pay Weight (tn)	% Solids	Duplicate by ET Lab
84	FRI	09/03/99	PS036	20.0	36.25	17.23	19.02	41.1 c	40.1 c
84	FRI	09/03/99	PS037	37.0	52.27	18.59	33.68	41.1 c	40.1 c
88	TUE	09/07/99	PS038	38.0	54.23	18.59	35.64	41.3 c	
89	WED	09/08/99	PS039	12.5	26.63	17.23	9.40	41.3 c	
90	THUR	09/09/99	PS040	30.0	46.28	18.59	27.69	33.6	37.5
91	FRI	09/10/99	PS041	34.0	56.43	18.59	37.84	53.4	37.7
91	FRI	09/10/99	PS042	10.0	28.45	17.23	11.22	55.9c	37.8 c
91	FRI	09/10/99	PS043	18.0	48.42	18.58	29.84	55.9c	37.8 c
92	SAT	09/11/99	PS044	36.0	49.63	18.58	31.05	55.9c	37.8 c
94	MON	09/13/99	PS045	8.0	25.08	17.23	7.85	35.7c	39.6 c
94	MON	09/13/99	PS046	35.0	50.08	18.58	31.50	35.7c	39.6 c
95	TUE	09/14/99	PS047	40.0	50.43	18.58	31.85	35.7c	39.0 c
95	TUE	09/14/99	PS048	13.0	28.93	17.23	11.70	35.7c	39.0 c
96	WED	09/15/99	PS049	40.0	54.65	18.58	36.07	37.4c	36.1
96	WED	09/15/99	PS050	10.0	28.37	17.23	11.14	37.4c	
96	WED	09/15/99	PS051	38.0	57.48	18.58	38.90	37.4c	39.2
104	THUR	09/23/99	PS052	20.0	36.25	17.23	19.02	38.0c	33.1
104	THUR	09/23/99	PS053	19.0	37.36	17.23	20.13	38.0c	
105	FRI	09/24/99	PS054	20.0	35.02	17.23	17.79	64.3c	
105	FRI	09/24/99	PS055	20.0	32.23	17.23	15.00	64.3c	
108	MON	09/27/99	PS056	20.0	34.35	17.23	17.12	38.9c	
108	MON	09/27/99	PS057	15.0	30.80	17.23	13.57	38.9c	
108	MON	09/27/99	PS058	20.0	38.32	17.23	21.09	37.0c	
108	MON	09/27/99	PS059	18.0	34.71	17.23	17.48	37.0c	
108	MON	09/27/99	PS060	15.0	32.43	17.23	15.20	37.0c	
109	TUE	09/28/99	PS061	20.0	36.29	17.23	19.06	37.8c	
109	TUE	09/28/99	PS062	20.5	38.21	17.23	30.98	37.8c	45.8 / 35.2
109	TUE	09/28/99	PS063	18.0	37.61	17.23	20.38	38.2c	
109	TUE	09/28/99	PS064	14.0	33.07	17.23	15.84	38.2c	
109	TUE	09/28/99	PS065	15.0	33.36	17.23	16.13	42.6c	
111	THUR	09/30/99	PS066	20.0	39.16	17.23	21.93	42.6c	
111	THUR	09/30/99	PS067	20.0	35.98	17.23	18.75	42.6c	39.8
112	FRI	10/01/99	PS068	39.0	51.55	18.59	32.96	40.2c	38.3c
112	FRI	10/01/99	PS069	40.0	49.38	18.58	30.80	41.3	39.0c
113	SAT	10/02/99	PS070	20.0	34.11	17.23	16.88	41.4	
115	MON	10/04/99	PS071	40.0	52.15	18.59	33.56	45.3	42.6

Waste Manifest Summary By Pay Item Pay Item 10b									
DAY	DATE		Manifest #	Volume Est. (yd^3)	Gross Weight (tn)	Tare Weight (tn)	Pay Weight (tn)	% Solids	Duplicate by ET Lab
115	MON	10/04/99	PS072	39.5	52.36	18.59	33.77	38.8	38.7
115	MON	10/04/99	PS073	40.0	52.52	18.59	33.93	41.5	
115	MON	10/04/99	PS074	40.0	52.83	18.59	34.24	38.8	
115	MON	10/04/99	PS075	20.0	34.49	15.63	18.86	42.1	
116	TUE	10/05/99	PS076	40.0	51.01	18.59	32.42	35.6	
117	WED	10/06/99	PS077	40.0	58.98	18.59	40.39	35.9	
117	WED	10/06/99	PS078	40.0	51.13	18.59	32.54	36.3	
117	WED	10/06/99	PS079	40.0	54.67	18.59	36.08	41.4	
118	THUR	10/07/98	PS080	40.0	57.69	18.59	39.10	39.9	
118	THUR	10/07/99	PS081	20.0	36.35	15.63	20.72	39.2	
118	THUR	10/07/99	PS082	40.0	51.12	18.59	32.53	39.2	
118	THUR	10/07/99	PS083	40.0	48.95	18.59	30.36	39.2	
119	FRI	10/08/99	PS084	40.0	52.65	18.59	34.06	40.9	
123	TUE	10/12/99	PS085	40.0	53.21	18.59	34.62	40.0	33.0
123	TUE	10/12/99	PS086	40.0	55.88	18.58	37.30	39.2	
123	TUE	10/12/99	PS087	45.0	55.82	18.58	37.24	36.2	
126	FRI	10/15/99	PS088	40.0	50.08	18.59	31.49	44.4	
126	FRI	10/15/99	PS089	40.0	53.43	18.59	34.84	37.3	
132	THUR	10/21/99	PS090	40.0	60.25	18.58	41.67	40.3	
132	THUR	10/21/99	PS091	40.0	45.00	18.59	26.41	40.3	
134	SAT	10/23/99	PS092	40.0	57.79	18.58	39.21	44.7	
138	WED	10/27/99	PS093	40.0	54.05	18.59	35.46	39.5	
138	WED	10/27/99	PS094	40.0	52.19	18.59	33.60	42.4	
140	FRI	10/29/99	PS095	40.0	50.72	18.58	32.14	39.4	
140	FRI	10/29/99	PS096	40.0	35.83	18.58	17.25	39.4	
143	MON	11/01/99	PS097	40.0	51.95	18.58	33.37	41.0	
144	TUE	11/02/99	PS098	40.0	54.01	18.58	35.43	40.1	
146	THUR	11/04/99	PS099	20.0	37.04	17.50	19.54	40.6	
146	THUR	11/04/99	PS100	40.0	55.98	18.58	37.40	58.4	
146	THUR	11/04/99	PS101	40.0	57.20	18.58	38.62	46.0	
147	FRI	11/05/99	PS102	20.0	34.74	17.50	17.24	51.1	
147	FRI	11/05/99	PS103	20.0	37.34	17.50	19.84		
151	TUE	11/09/99	PS104	40.0	46.75	18.59	28.16	43.1	
153	THUR	11/11/99	PS105	20.0	37.48	17.50	19.98	46.4	
153	THUR	11/11/99	PS106	15.0	28.39	17.50	10.89		
157	MON	11/15/99	PS107	15.0	28.65	18.58	10.07	43.7	

Waste Manifest Summary By Pay Item Pay Item 10b									
DAY	DATE		Manifest #	Volume Est. (yd^3)	Gross Weight (tn)	Tare Weight (tn)	Pay Weight (tn)	% Solids	Duplicate by ET Lab
157	MON	11/15/99	PS108	15.0	39.93	17.5	22.43		
161	FRI	11/19/99	PS109	35.0	47.89	18.59	29.30	48.7	
162	SAT	11/20/99	PS110	38.0	55.76	18.58	37.18		
162	SAT	11/20/99	PS111	38.0	52	18.59	33.41	38.6	
162	SAT	11/20/99	PS112	15.0	32.23	17.5	14.73	37.7	
162	SAT	11/20/99	PS113	15.0	30.11	17.5	12.61		
165	TUE	11/23/99	PS114	40.0	59.63	18.59	41.04	43.6	
165	TUE	11/23/99	PS115	40.0	55.65	18.59	37.06	22.5	
166	WED	11/24/99	PS116	38.0	52.98	18.59	34.39	22.5	
171	MON	11/30/99	PS117	38.0	56.96	18.59	38.37	38.2	
171	MON	11/30/99	PS118	40.0	56	18.58	37.42	43.5	
173	WED	12/01/99	PS119	40.0	57.98	18.58	39.40		
174	THUR	12/02/99	PS120	40.0	59.6	18.58	41.02	42.9	
174	THUR	12/02/99	PS121	15.0	33.18	17.5	15.68	41.8	
174	THUR	12/02/99	PS122	15.0	35.27	17.5	17.77		
174	THUR	12/02/99	PS123	15.0	32.16	17.5	14.66		

Waste Manifest Summary By Pay Item Pay Item 10b									
DAY	DATE		Manifest #	Volume Est. (yd^3)	Gross Weight (tn)	Tare Weight (tn)	Pay Weight (tn)	% Solids	Duplicate by ET Lab
60	TUE	08/10/99	PS001	4.0	22.04	18.27	3.77	41.9	
60	TUE	08/10/99	PS002	4.0	20.34	18.27	2.07	39.9	43.2
61	WED	08/11/99	PS003	38.0	45.06	18.59	26.47	45.5	
61	WED	08/11/99	PS004	22.0	38.84	18.59	20.25	48.4	
62	THUR	08/12/99	PS005	30.0	46.19	18.59	27.60	49.9	49.7
66	MON	08/16/99	PS006	35.0	51.07	18.59	32.48	55.9	53.4
68	WED	08/18/99	PS007	38.0	56.98	18.59	38.39	41.0	38.7
73	MON	08/23/99	PS008	38.5	49.12	18.59	30.53	42.4	41.8
73	MON	08/23/99	PS009	18.0	30.30	17.23	13.07	43.1	36.3
75	WED	08/25/99	PS010	30.0	46.76	18.59	28.17	36.9	36.4
76	THUR	08/26/99	PS011	40.0	54.59	18.59	36.00	44.2	46.6
76	THUR	08/26/99	PS012	20.0	35.65	17.23	18.42	47.8	46.9
77	FRI	08/27/99	PS013	39.5	49.98	18.59	31.39	37.1	43.0
77	FRI	08/27/98	PS014	39.0	54.02	18.59	35.43	41.9	42.4
77	FRI	08/27/99	PS015	38.0	52.32	18.59	33.73	42.3	42.3
77	FRI	08/27/99	PS016	20.0	35.18	17.23	17.95	80.4	
77	FRI	08/27/99	PS017	38.0	49.10	18.58	30.52	34.7	
78	SAT	08/28/99	PS018	24.0	40.18	17.23	22.95	45.2	
78	SAT	08/28/99	PS019	38.0	49.04	18.59	30.45	43.6	
78	SAT	08/28/99	PS020	20.0	32.78	17.23	15.55	46.2	
78	SAT	08/28/99	PS021	38.0	44.75	18.59	26.16	37.9	
80	MON	08/30/99	PS022	10.0	25.89	17.23	8.66	47.0	
80	MON	08/30/99	PS023	40.0	55.05	18.49	36.46	40.2	
80	MON	08/30/99	PS024	16.5	32.65	17.23	15.42	42.3	
81	TUE	08/31/99	PS025	37.0	48.84	18.59	30.25	46.4	
82	WED	09/01/99	PS026	43.0	55.63	18.59	37.04	42.9	
82	WED	09/01/99	PS027	39.0	57.98	18.59	39.39	47.0	
82	WED	09/01/99	PS028	20.0	34.35	17.23	17.12	42.3	
82	WED	09/01/99	PS029	40.0	53.85	18.59	35.26	46.3	48.0
82	WED	09/01/99	PS030	14.0	28.35	17.23	11.12	46.2	
82	WED	09/01/99	PS031A	19.0	31.15	17.23	13.92	46.0	
83	THUR	09/02/99	PS031B	38.0	53.14	18.59	34.55		
83	THUR	09/02/99	PS032	20.0	33.35	17.23	16.12	50.1	45.5
83	THUR	09/02/99	PS033	38.0	54.23	18.59	35.64	45.3 c	27.9c
83	THUR	09/02/99	PS034	18.5	36.11	17.23	18.88	45.3 c	27.9c
84	FRI	09/03/99	PS035	36.0	50.82	18.59	32.23	41.1 c	40.1 c

Waste Manifest Summary By Pay Item Pay Item 10b									
DAY	DATE		Manifest #	Volume Est. (yd^3)	Gross Weight (tn)	Tare Weight (tn)	Pay Weight (tn)	% Solids	Duplicate by ET Lab
84	FRI	09/03/99	PS036	20.0	36.25	17.23	19.02	41.1 c	40.1 c
84	FRI	09/03/99	PS037	37.0	52.27	18.59	33.68	41.1 c	40.1 c
88	TUE	09/07/99	PS038	38.0	54.23	18.59	35.64	41.3 c	
89	WED	09/08/99	PS039	12.5	26.63	17.23	9.40	41.3 c	
90	THUR	09/09/99	PS040	30.0	46.28	18.59	27.69	33.6	37.5
91	FRI	09/10/99	PS041	34.0	56.43	18.59	37.84	53.4	37.7
91	FRI	09/10/99	PS042	10.0	28.45	17.23	11.22	55.9c	37.8 c
91	FRI	09/10/99	PS043	18.0	48.42	18.58	29.84	55.9c	37.8 c
92	SAT	09/11/99	PS044	36.0	49.63	18.58	31.05	55.9c	37.8 c
94	MON	09/13/99	PS045	8.0	25.08	17.23	7.85	35.7c	39.6 c
94	MON	09/13/99	PS046	35.0	50.08	18.58	31.50	35.7c	39.6 c
95	TUE	09/14/99	PS047	40.0	50.43	18.58	31.85	35.7c	39.0 c
95	TUE	09/14/99	PS048	13.0	28.93	17.23	11.70	35.7c	39.0 c
96	WED	09/15/99	PS049	40.0	54.65	18.58	36.07	37.4c	36.1
96	WED	09/15/99	PS050	10.0	28.37	17.23	11.14	37.4c	
96	WED	09/15/99	PS051	38.0	57.48	18.58	38.90	37.4c	39.2
104	THUR	09/23/99	PS052	20.0	36.25	17.23	19.02	38.0c	33.1
104	THUR	09/23/99	PS053	19.0	37.36	17.23	20.13	38.0c	
105	FRI	09/24/99	PS054	20.0	35.02	17.23	17.79	64.3c	
105	FRI	09/24/99	PS055	20.0	32.23	17.23	15.00	64.3c	
108	MON	09/27/99	PS056	20.0	34.35	17.23	17.12	38.9c	
108	MON	09/27/99	PS057	15.0	30.80	17.23	13.57	38.9c	
108	MON	09/27/99	PS058	20.0	38.32	17.23	21.09	37.0c	
108	MON	09/27/99	PS059	18.0	34.71	17.23	17.48	37.0c	
108	MON	09/27/99	PS060	15.0	32.43	17.23	15.20	37.0c	
109	TUE	09/28/99	PS061	20.0	36.29	17.23	19.06	37.8c	
109	TUE	09/28/99	PS062	20.5	38.21	17.23	30.98	37.8c	45.8 / 35.2
109	TUE	09/28/99	PS063	18.0	37.61	17.23	20.38	38.2c	
109	TUE	09/28/99	PS064	14.0	33.07	17.23	15.84	38.2c	
109	TUE	09/28/99	PS065	15.0	33.36	17.23	16.13	42.6c	
111	THUR	09/30/99	PS066	20.0	39.16	17.23	21.93	42.6c	
111	THUR	09/30/99	PS067	20.0	35.98	17.23	18.75	42.6c	39.8
112	FRI	10/01/99	PS068	39.0	51.55	18.59	32.96	40.2c	38.3c
112	FRI	10/01/99	PS069	40.0	49.38	18.58	30.80	41.3	39.0c
113	SAT	10/02/99	PS070	20.0	34.11	17.23	16.88	41.4	
115	MON	10/04/99	PS071	40.0	52.15	18.59	33.56	45.3	42.6

Waste Manifest Summary By Pay Item Pay Item 10b									
DAY	DATE		Manifest #	Volume Est. (yd^3)	Gross Weight (tn)	Tare Weight (tn)	Pay Weight (tn)	% Solids	Duplicate by ET Lab
115	MON	10/04/99	PS072	39.5	52.36	18.59	33.77	38.8	38.7
115	MON	10/04/99	PS073	40.0	52.52	18.59	33.93	41.5	
115	MON	10/04/99	PS074	40.0	52.83	18.59	34.24	38.8	
115	MON	10/04/99	PS075	20.0	34.49	15.63	18.86	42.1	
116	TUE	10/05/99	PS076	40.0	51.01	18.59	32.42	35.6	
117	WED	10/06/99	PS077	40.0	58.98	18.59	40.39	35.9	
117	WED	10/06/99	PS078	40.0	51.13	18.59	32.54	36.3	
117	WED	10/06/99	PS079	40.0	54.67	18.59	36.08	41.4	
118	THUR	10/07/98	PS080	40.0	57.69	18.59	39.10	39.9	
118	THUR	10/07/99	PS081	20.0	36.35	15.63	20.72	39.2	
118	THUR	10/07/99	PS082	40.0	51.12	18.59	32.53	39.2	
118	THUR	10/07/99	PS083	40.0	48.95	18.59	30.36	39.2	
119	FRI	10/08/99	PS084	40.0	52.65	18.59	34.06	40.9	
123	TUE	10/12/99	PS085	40.0	53.21	18.59	34.62	40.0	33.0
123	TUE	10/12/99	PS086	40.0	55.88	18.58	37.30	39.2	
123	TUE	10/12/99	PS087	45.0	55.82	18.58	37.24	36.2	
126	FRI	10/15/99	PS088	40.0	50.08	18.59	31.49	44.4	
126	FRI	10/15/99	PS089	40.0	53.43	18.59	34.84	37.3	
132	THUR	10/21/99	PS090	40.0	60.25	18.58	41.67	40.3	
132	THUR	10/21/99	PS091	40.0	45.00	18.59	26.41	40.3	
134	SAT	10/23/99	PS092	40.0	57.79	18.58	39.21	44.7	
138	WED	10/27/99	PS093	40.0	54.05	18.59	35.46	39.5	
138	WED	10/27/99	PS094	40.0	52.19	18.59	33.60	42.4	
140	FRI	10/29/99	PS095	40.0	50.72	18.58	32.14	39.4	
140	FRI	10/29/99	PS096	40.0	35.83	18.58	17.25	39.4	
143	MON	11/01/99	PS097	40.0	51.95	18.58	33.37	41.0	
144	TUE	11/02/99	PS098	40.0	54.01	18.58	35.43	40.1	
146	THUR	11/04/99	PS099	20.0	37.04	17.50	19.54	40.6	
146	THUR	11/04/99	PS100	40.0	55.98	18.58	37.40	58.4	
146	THUR	11/04/99	PS101	40.0	57.20	18.58	38.62	46.0	
147	FRI	11/05/99	PS102	20.0	34.74	17.50	17.24	51.1	
147	FRI	11/05/99	PS103	20.0	37.34	17.50	19.84		
151	TUE	11/09/99	PS104	40.0	46.75	18.59	28.16	43.1	
153	THUR	11/11/99	PS105	20.0	37.48	17.50	19.98	46.4	
153	THUR	11/11/99	PS106	15.0	28.39	17.50	10.89		
157	MON	11/15/99	PS107	15.0	28.65	18.58	10.07	43.7	

Waste Manifest Summary By Pay Item Pay Item 10b									
DAY	**DATE**		**Manifest #**	**Volume Est. (yd^3)**	**Gross Weight (tn)**	**Tare Weight (tn)**	**Pay Weight (tn)**	**% Solids**	**Duplicate by ET Lab**
157	MON	11/15/99	PS108	15.0	39.93	17.5	22.43		
161	FRI	11/19/99	PS109	35.0	47.89	18.59	29.30	48.7	
162	SAT	11/20/99	PS110	38.0	55.76	18.58	37.18		
162	SAT	11/20/99	PS111	38.0	52	18.59	33.41	38.6	
162	SAT	11/20/99	PS112	15.0	32.23	17.5	14.73	37.7	
162	SAT	11/20/99	PS113	15.0	30.11	17.5	12.61		
165	TUE	11/23/99	PS114	40.0	59.63	18.59	41.04	43.6	
165	TUE	11/23/99	PS115	40.0	55.65	18.59	37.06	22.5	
166	WED	11/24/99	PS116	38.0	52.98	18.59	34.39	22.5	
171	MON	11/30/99	PS117	38.0	56.96	18.59	38.37	38.2	
171	MON	11/30/99	PS118	40.0	56	18.58	37.42	43.5	
173	WED	12/01/99	PS119	40.0	57.98	18.58	39.40		
174	THUR	12/02/99	PS120	40.0	59.6	18.58	41.02	42.9	
174	THUR	12/02/99	PS121	15.0	33.18	17.5	15.68	41.8	
174	THUR	12/02/99	PS122	15.0	35.27	17.5	17.77		
174	THUR	12/02/99	PS123	15.0	32.16	17.5	14.66		

Waste Manifest Summary By Pay Item Pay Item 10d						
DAY	**DATE**		**Manifest #**	**Source**	**Type**	**Volume (yd^3)**
39	TUE	07/20/99	LC001	Lagoon	sludge	27.0
39	TUE	07/20/99	LC002	Lagoon	sludge	30.5
39	TUE	07/20/99	LC003	Lagoon	sludge	12.0
39	TUE	07/20/99	LC004	Lagoon	sludge	12.0
40	WED	07/21/99	LC005	Lagoon	sludge	30.5
40	WED	07/21/99	LC006	Lagoon	sludge	27.0
40	WED	07/21/99	LC007	Lagoon	sludge	30.5
40	WED	07/21/99	LC008	Lagoon	sludge	11.0
40	WED	07/21/99	LC009	Lagoon	sludge	10.5
41	THUR	07/22/99	LC010	Lagoon	sludge	25.0
41	THUR	07/22/99	LC011	Lagoon	sludge	31.0
41	THUR	07/22/99	LC012	Lagoon	sludge	30.0
46	TUE	07/27/99	LC013	Lagoon	sludge	12.0
53	TUE	08/03/99	LC014	Willetts Creek	sludge	34.0
53	TUE	08/03/99	LC015	Willetts Creek	sludge	35.0
53	TUE	08/03/99	LC016	Willetts Creek	sludge	35.0
53	TUE	08/03/99	LC017	Willetts Creek	sludge	8.0
54	WED	08/04/99	LC018	Willetts Creek	sludge	38.5
54	WED	08/04/99	LC019	Willetts Creek	sludge	39.0
54	WED	08/04/99	LC020	Willetts Creek	sludge	32.5
54	WED	08/04/99	LC021	Willetts Creek	sludge	30.0
56	FRI	08/06/99	LC022	Yard Waste	sludge	15.0
61	WED	08/11/99	LC023	Lake	stone	10.5
62	THUR	08/12/99	NP001	Lake	sand	12.0
66	MON	08/16/99	NP002	Lake	stone	11.0
66	MON	08/16/99	NP003	Lake	sand	11.0
67	TUE	08/17/99	NP004	Lake	sand	8.0
68	WED	08/18/99	NP005	Lake	stone	8.0
68	WED	08/18/99	NP006	Lake	sand	8.0
69	WED	08/19/99	NP007	Lake	sand	4.5
69	WED	08/19/99	NP008	Lake	sand	10.0
73	MON	08/23/99	NP009	Lake	sand	14.0
76	THUR	08/26/99	NP010	Lake	sand	32.5
77	FRI	08/27/99	NP011	Lake	sand	20.0

77	FRI	08/27/99	NP012	Lake	sand	13.0
77	FRI	08/27/99	NP013	Lake	sand	12.0
78	SAT	08/28/99	NP014	Lake	sand	7.0
DAY	**DATE**		**Manifest #**	**Source**	**Type**	**Volume (yd^3)**
78	SAT	08/28/99	NP015	Lake	sand	27.0
78	SAT	08/28/99	NP016	Lake	sand	16.0
78	SAT	08/28/99	NP017	Lake	sand	14.0
78	SAT	08/28/99	NP018	Lake	sand	27.0
81	TUE	08/31/99	NP019	Lake	sand	35.5
81	TUE	08/31/99	NP020	Lake	stone	15.0
81	TUE	08/31/99	NP021	Lake	sand	9.0
81	TUE	08/31/99	NP022	Lake	sand	16.0
81	TUE	08/31/99	NP023	Lake	stone	12.0
81	TUE	08/31/99	NP024	Lake	sand	26.0
82	WED	09/01/99	NP025	Lake	sand	25.0
82	WED	09/01/99	NP026	Lake	sand	11.0
83	THUR	09/02/99	NP027	Lake	sand	25.0
83	THUR	09/02/99	NP028	Lake	stone	12.0
83	THUR	09/02/99	NP029	Lake	sand	12.5
83	THUR	09/02/99	NP030	Lake	stone	8.5
83	THUR	09/02/99	NP031	Lake	sand	27.0
83	THUR	09/02/99	NP032	Lake	stone	19.5
84	FRI	09/03/99	NP033	Lake	sand	11.0
84	FRI	09/03/99	NP034	Lake	sand	20.0
84	FRI	09/03/99	NP035	Lake	stone	13.5
84	FRI	09/03/99	NP036	Lake	sand	18.0
88	TUE	09/07/99	NP037	Lake	sand	12.5
88	TUE	09/07/99	NP038	Lake	stone	9.0
88	TUE	09/07/99	NP039	Lake	sand	26.0
88	TUE	09/07/99	NP040	Lake	stone	15.0
89	WED	09/08/99	NP041	Lake	sand	19.5
90	THUR	09/09/99	NP042	Lake	stone	9.0
90	THUR	09/09/99	NP043	Lake	sand	8.5
90	THUR	09/09/99	NP044	Lake	sand	20.0
90	THUR	09/09/99	NP045	Lake	sand	16.0
90	THUR	09/09/99	NP046	Lake	stone	13.0
90	THUR	09/09/99	NP047	Lake	sand	9.5
92	SAT	09/11/99	NP048	Lake	stone	12.0
92	SAT	09/11/99	NP049	Lake	sand	10.0
92	SAT	09/11/99	NP050	Lake	sand	15.5

92	SAT	09/11/99	NP051	Lake	sand	14.0
94	MON	09/13/99	NP052	Lake	wood/stn	12.0
94	MON	09/13/99	NP053	Lake	sand	15.0
94	MON	09/13/99	NP054	Lake	sand	11.0
95	TUE	09/14/99	NP055	Lake	wood/stn	12.5
DAY	**DATE**		**Manifest #**	**Source**	**Type**	**Volume (yd^3)**
95	TUE	09/14/99	NP056	Lake	wood/stn	12.5
95	TUE	09/14/99	NP057	Lake	sand	12.0
95	TUE	09/14/99	NP058	Lake	sand	7.0
95	TUE	09/14/99	NP059	Lake	sand	13.0
96	WED	09/15/99	NP060	Lake	wood/stn	14.5
96	WED	09/15/99	NP061	Lake	sand	10.0
97	THUR	09/16/99	NP062	Lake	wood/stn	12.0
97	THUR	09/16/99	NP063	Lake	sand	30.0
97	THUR	09/16/99	NP064	Lake	wood/stn	12.0
101	MON	09/20/99	NP065	Lake	stone	13.0
102	TUE	09/21/99	NP066	Lake	stone	14.0
102	TUE	09/21/99	NP067	Lake	stone	13.0
102	TUE	09/21/99	NP068	Lake	sand	38.5
102	TUE	09/21/99	NP069	Lake	sand	15.0
102	TUE	09/21/99	NP070	Lake	sand	13.0
102	TUE	09/21/99	NP071	Lake	sand	14.0
103	WED	09/22/99	NP072	Lake	sand	12.0
103	WED	09/22/99	NP073	Lake	sand	15.0
103	WED	09/22/99	NP074	Lake	stone	13.0
103	WED	09/22/99	NP075	Lake	sand	12.0
103	WED	09/22/99	NP076	Lake	stone	12.0
104	THUR	09/23/99	NP077	Lake	sand	10.0
104	THUR	09/23/99	NP078	Lake	sand	13.0
104	THUR	09/23/99	NP079	Lake	sand	14.0
104	THUR	09/23/99	NP080	Lake	sand	14.0
104	THUR	09/23/99	NP081	Lake	sand	9.0
105	FRI	09/24/99	NP082	Lake	sand	10.0
105	FRI	09/24/99	NP083	Lake	stone	14.0
105	FRI	09/24/99	NP084	Lake	sand	13.0
105	FRI	09/24/99	NP085	Lake	sand	13.0
108	MON	09/27/99	NP086	Lake	stone	14.0
109	TUE	09/28/99	NP087	Lake	sand	14.0
109	TUE	09/28/99	NP088	Lake	sand	9.0
109	TUE	09/28/99	NP089	Lake	sand	15.0

110	WED	09/29/99	NP090	Lake	sand	25.0
110	WED	09/29/99	NP091	Lake	sand	25.0
110	WED	09/29/99	NP092	Lake	stone	14.0
111	THUR	09/30/99	NP093	Lake	sand	17.0
111	THUR	09/30/99	NP094	Lake	stone	14.0
111	THUR	09/30/99	NP095	Lake	sand	14.0
112	FRI	10/01/99	NP096	Lake	sand	13.0

DAY	DATE		Manifest #	Source	Type	Volume (yd^3)
112	FRI	10/01/99	NP097	Lake	stone	14.0
112	FRI	10/01/99	NP098	Lake	sand	13.0
112	FRI	10/01/99	NP099	Lake	sand	15.0
113	SAT	10/02/99	NP100	Lake	sand	13.0
113	SAT	10/02/99	NP101	Lake	sand	14.0
113	SAT	10/02/99	NP102	Lake	sand	?
113	SAT	10/02/99	NP103	Lake	stone	17.0
113	SAT	10/02/99	NP104	Lake	sand	11.0
115	MON	10/04/99	NP105	Lake	sand	14.5
115	MON	10/04/99	NP106	Lake	sand	13.0
115	MON	10/04/99	NP107	Lake	sand	14.0
116	TUE	10/05/99	NP108	Lake	sand	15.0
116	TUE	10/05/99	NP109	Lake	stone	13.0
116	TUE	10/05/99	NP110	Lake	sand	14.0
116	TUE	10/05/99	NP111	Lake	stone	13.0
116	TUE	10/05/99	NP112	Lake	sand	unknown
116	TUE	10/05/99	NP113	Lake	stone	12.0
117	WED	10/06/99	NP114	Lake	sand	15.0
117	WED	10/06/99	NP115	Lake	mix stn/snd	15.0
117	WED	10/06/99	NP116	Lake	stone	13.5
117	WED	10/06/99	NP117	Lake	sand	14.0
118	THUR	10/07/99	NP118	Lake	sand	14.0
118	THUR	10/07/99	NP119	Lake	sand	13.0
118	THUR	10/07/99	NP120	Lake	mix stn/snd	14.0
119	FRI	10/08/99	NP121	Lake	sand	15.0
119	FRI	10/08/99	NP122	Lake	sand	12.0
119	FRI	10/08/99	NP123	Lake	stone	13.0
119	FRI	10/08/99	NP124	Lake	sand	12.0
120	SAT	10/09/99	NP125	Lake	sand	15.0
120	SAT	10/09/99	NP126	Lake	stone	15.0
120	SAT	10/09/99	NP127	Lake	mix stn/snd	15.0

122	MON	10/11/99	NP128	Lake	stone	
123	TUE	10/12/99	NP129	Lake	sand	30.0
124	WED	10/13/99	NP130	Lake	stone	15.0
124	WED	10/13/99	NP131	Lake	sand	35.0
124	WED	10/13/99	NP132	Lake	sand	38.0
125	THUR	10/14/99	NP133	Lake	stone	22.0
125	THUR	10/14/99	NP134	Lake	stone	18.0
125	THUR	10/14/99	NP135	Lake	sand	30.0
125	THUR	10/14/99	NP136	Lake	stone	15.0
126	FRI	10/15/99	NP137	Lake	mix stn/snd	20.0

DAY	DATE		Manifest #	Source	Type	Volume (yd^3)
126	FRI	10/15/99	NP138	Lake	mix stn/snd	22.0
126	FRI	10/15/99	NP139	Lake	mix stn/snd	14.0
126	FRI	10/15/99	NP140	Lake	sand	20.0
127	SAT	10/16/99	NP141	Lake	mix stn/snd	14.0
127	SAT	10/16/99	NP142	Lake	mix stn/snd	20.0
127	SAT	10/16/99	NP143	Lake	sand	38.0
127	SAT	10/16/99	NP144	Lake	mix stn/snd	20.0
127	SAT	10/16/99	NP145	Lake	mix stn/snd	38.0
127	SAT	10/16/99	NP146	Lake	mix stn/snd	20.0
127	SAT	10/16/99	NP147	Lake	mix stn/snd	40.0
127	SAT	10/16/99	NP148	Lake	stone	15.0
129	MON	10/18/99	NP149	Lake	mix stn/snd	15.0
129	MON	10/18/99	NP150	Lake	sand	15.0
129	MON	10/18/99	NP151	Lake	stone	20.0
129	MON	10/18/99	NP152	Lake	sand	32.0
129	MON	10/18/99	NP153	Lake	stone	40.0
129	MON	10/18/99	NP154	Lake	sand	15.0
130	TUE	10/19/99	NP155	Lake	mix stn/snd	13.0
131	WED	10/20/99	NP156	Lake	mix stn/snd	40.0
132	THUR	10/21/99	NP157	Lake	mix stn/snd	36.0
133	FRI	10/22/99	NP158	Lake	stone	20.0
134	SAT	10/23/99	NP159	Lake	mix stn/snd	38.0
136	MON	10/25/99	NP160	Lake	mix stn/snd	38.0
136	MON	10/25/99	NP161	Lake	mix stn/snd	17.0
136	MON	10/25/99	NP162	Lake	mix stn/snd	20.0
136	MON	10/25/99	NP163	Lake	sand	30.0
137	MON	10/25/99	NP164	Lake	mix stn/snd	15.0
137	MON	10/25/99	NP165	Lake	sand	15.0

138	TUE	10/26/99	NP166	Lake	mix stn/snd	17.0
138	TUE	10/26/99	NP167	Lake	mix stn/snd	22.0
138	TUE	10/26/99	NP168	Lake	mix stn/snd	20.0
138	TUE	10/26/99	NP169	Lake	mix stn/snd	18.0
138	TUE	10/26/99	NP170	Lake	sand	35.0
139	WED	10/27/99	NP171	Lake	mix stn/snd	15.0
139	WED	10/27/99	NP172	Lake	sand	25.0
140	THUR	10/28/99	NP173	Lake	sand	15.0
140	THUR	10/28/99	NP174	Lake	mix stn/snd	21.5
140	THUR	10/28/99	NP175	Lake	sand	40.0
140	THUR	10/28/99	NP176	Lake	sand	12.0
140	THUR	10/28/99	NP177	Lake	sand	38.0
141	FRI	10/29/99	NP178	Lake	mix stn/snd	35.0

DAY	**DATE**		**Manifest #**	**Source**	**Type**	**Volume (yd^3)**
141	FRI	10/29/99	NP179	Lake	mix stn/snd	15.0
141	FRI	10/29/99	NP180	Lake	sand	38.0
143	MON	11/01/99	NP181	Lake	sand	40.0
143	MON	11/01/99	NP182	Lake	sand	13.0
143	MON	11/01/99	NP183	Lake	sand	14.0
144	TUE	11/02/99	NP184	Lake	sand	15.0
145	WED	11/03/99	NP185	Lake	mix stn/snd	20.0
147	FRI	11/05/99	NP186	Lake	mix stn/snd	12.0
147	FRI	11/05/99	NP187	Lake	mix stn/snd	12.0
148	SAT	11/06/99	NP188	Lake	mix stn/snd	40.0
150	MON	11/08/99	NP189	Lake	mix stn/snd	38.0
150	MON	11/08/99	NP190	Lake	sand	40.0
150	MON	11/08/99	NP191	Lake	sand	38.0
150	MON	11/08/99	NP192	Lake	sand	38.0
151	TUE	11/09/99	NP193	Lake	mix stn/snd	36.0
151	TUE	11/09/99	NP194	Lake	mix stn/snd	38.0
151	TUE	11/09/99	NP195	Lake	mix stn/snd	38.0
151	TUE	11/09/99	NP196	Lake	sand	38.0
153	THUR	11/11/99	NP197	Lake	mix stn/snd	38.0
153	THUR	11/11/99	NP198	Lake	mix stn/snd	36.0
153	THUR	11/11/99	NP199	Lake	mix stn/snd	36.0
153	THUR	11/11/99	NP200	Lake	sand	38.0
153	THUR	11/11/99	NP201	Lake	sand	38.0
154	FRI	11/12/99	NP202	Lake	mix stn/snd	38.0
154	FRI	11/12/99	NP203	Lake	mix stn/snd	38.0

154	FRI	11/12/99	NP204	Lake	mix stn/snd	38.0
154	FRI	11/12/99	NP205	Lake	mix stn/snd	38.0
154	FRI	11/12/99	NP206	Lake	mix stn/snd	38.0
154	FRI	11/12/99	NP207	Lake	mix stn/snd	38.0
157	MON	11/15/99	NP208	Lake	mix stn/snd	38.0
157	MON	11/15/99	NP209	Lake	mix stn/snd	38.0
157	MON	11/15/99	NP210	Lake	mix stn/snd	38.0
157	MON	11/15/99	NP211	Lake	mix stn/snd	38.0
157	MON	11/15/99	NP212	Lake	mix stn/snd	38.0
157	MON	11/15/99	NP213	Lake	mix stn/snd	37.0
157	MON	11/15/99	NP214	Lake	mix stn/snd	39.0
158	TUE	11/16/99	NP215	Lake	mix stn/snd	38.0
158	TUE	11/16/99	NP216	Lake	mix stn/snd	38.0
158	TUE	11/16/99	NP217	Lake	mix stn/snd	38.0
158	TUE	11/16/99	NP218	Lake	mix stn/snd	38.0
158	TUE	11/16/99	NP219	Lake	mix stn/snd	38.0
DAY	**DATE**		**Manifest #**	**Source**	**Type**	**Volume (yd^3)**
158	TUE	11/16/99	NP220	Lake	mix stn/snd	38.0
158	TUE	11/16/99	NP221	Lake	mix stn/snd	38.0
159	WED	11/17/99	NP222	Lake	mix stn/snd	38.0
159	WED	11/17/99	NP223	Lake	mix stn/snd	38.0
159	WED	11/17/99	NP224	Lake	mix stn/snd	38.0
159	WED	11/17/99	NP225	Lake	mix stn/snd	38.0
159	WED	11/17/99	NP226	Lake	mix stn/snd	38.0
159	WED	11/17/99	NP227	Lake	mix stn/snd	38.0
159	WED	11/17/99	NP228	Lake	mix stn/snd	38.0
159	WED	11/17/99	NP229	Lake	mix stn/snd	38.0
159	WED	11/17/99	NP230	Lake	mix stn/snd	38.0
161	FRI	11/19/99	NP231	Lake	mix stn/snd	38.0
161	FRI	11/19/99	NP232	Lake	mix stn/snd	38.0
161	FRI	11/19/99	NP233	Lake	mix stn/snd	38.0
161	FRI	11/19/99	NP234	Lake	mix stn/snd	38.0
161	FRI	11/19/99	NP235	Lake	mix stn/snd	38.0
161	FRI	11/19/99	NP236	Lake	mix stn/snd	38.0
161	FRI	11/19/99	NP237	Lake	mix stn/snd	38.0
161	FRI	11/19/99	NP238	Lake	mix stn/snd	38.0
161	FRI	11/19/99	NP239	Lake	mix stn/snd	38.0
161	FRI	11/19/99	NP240	Lake	sand	38.0
161	FRI	11/19/99	NP241	Lake	sand	38.0
161	FRI	11/19/99	NP242	Lake	sand	38.0

162	SAT	11/20/99	NP243	Lake	mix stn/snd	38.0
162	SAT	11//20/99	NP244	Lake	mix stn/snd	38.0
162	SAT	11/20/99	NP245	Lake	mix stn/snd	38.0
162	SAT	11/20/99	NP246	Lake	mix stn/snd	38.0
163	SUN	11/21/99	NP247	Lake	mix stn/snd	38.0
163	SUN	11/21/99	NP248	Lake	mix stn/snd	38.0
163	SUN	11/21/99	NP249	Lake	mix stn/snd	38.0
163	SUN	11/21/99	NP250	Lake	mix stn/snd	38.0
164	MON	11/22/99	NP251	Lake	mix stn/snd	38.0
164	MON	11/22/99	NP252	Lake	mix stn/snd	38.0
164	MON	11/22/99	NP253	Lake	mix stn/snd	38.0
164	MON	11/22/99	NP254	Lake	mix stn/snd	38.0
164	MON	11/22/99	NP255	Lake	mix stn/snd	38.0
164	MON	11/22/99	NP256	Lake	mix stn/snd	38.0
164	MON	11/22/99	NP257	Lake	mix stn/snd	38.0
164	MON	11/22/99	NP258	Lake	mix stn/snd	38.0
164	MON	11/22/99	NP259	Lake	mix stn/snd	38.0
164	MON	11/22/99	NP260	Lake	mix stn/snd	38.0
DAY	**DATE**		**Manifest #**	**Source**	**Type**	**Volume (yd^3)**
165	TUE	11/23/99	NP261	Lake	mix stn/snd	38.0
165	TUE	11/23/99	NP262	Lake	mix stn/snd	38.0
165	TUE	11/23/99	NP263	Lake	mix stn/snd	38.0
165	TUE	11/23/99	NP264	Lake	mix stn/snd	38.0
166	WED	11/24/99	NP265	Lake	mix stn/snd	38.0
166	WED	11/24/99	NP266	Lake	mix stn/snd	38.0
171	MON	11/29/99	NP267	Lake	mix stn/snd	38.0
171	MON	11/29/99	NP268	Lake	mix stn/snd	38.0
171	MON	11/29/99	NP269	Lake	mix stn/snd	38.0
171	MON	11/29/99	NP270	Lake	mix stn/snd	38.0
172	TUE	11/30/99	NP271	Lake	mix stn/snd	38.0
172	TUE	11/30/99	NP272	Lake	mix stn/snd	38.0
172	TUE	11/30/99	NP273	Lake	mix stn/snd	38.0
172	TUE	11/30/99	NP274	Lake	mix stn/snd	38.0
172	TUE	11/30/99	NP275	Lake	mix stn/snd	38.0
172	TUE	11/30/99	NP276	Lake	mix stn/snd	38.0
173	WED	12/01/99	NP277	Lake	mix stn/snd	38.0
173	WED	12/01/99	NP278	Lake	mix stn/snd	38.0
173	WED	12/01/99	NP279	Lake	mix stn/snd	38.0
174	THUR	12/02/99	NP280	Lake	mix stn/snd	38.0
174	THUR	12/02/99	NP281	Lake	mix stn/snd	38.0

175	FRI	12/03/99	NP282	Lake	mix stn/snd	38.0
175	FRI	12/03/99	NP283	Lake	mix stn/snd	38.0
175	FRI	12/03/99	NP284	Lake	mix stn/snd	38.0
175	FRI	12/03/99	NP285	Lake	mix stn/snd	38.0
175	FRI	12/03/99	NP286	Lake	mix stn/snd	38.0
175	FRI	12/03/99	NP287	Lake	mix stn/snd	38.0
176	SAT	12/04/99	NP288	Lake	mix stn/snd	38.0
176	SAT	12/04/99	NP289	Lake	mix stn/snd	38.0
176	SAT	12/04/99	NP290	Lake	mix stn/snd	38.0
176	SAT	12/04/99	NP291	Lake	mix stn/snd	38.0
176	SAT	12/04/99	NP292	Lake	mix stn/snd	38.0
176	SAT	12/04/99	NP293	Lake	mix stn/snd	38.0
176	SAT	12/04/99	NP294	Lake	mix stn/snd	38.0
177	SUN	12/05/99	NP295	Lake	mix stn/snd	38.0
177	SUN	12/05/99	NP296	Lake	mix stn/snd	38.0
177	SUN	12/05/99	NP297	Lake	mix stn/snd	38.0
177	SUN	12/05/99	NP298	Lake	mix stn/snd	38.0
177	SUN	12/05/99	NP299	Lake	mix stn/snd	38.0
178	MON	12/06/99	NP300	Lake	mix stn/snd	38.0
178	MON	12/06/99	NP301	Lake	mix stn/snd	38.0

DAY	DATE		Manifest #	Source	Type	Volume (yd^3)
178	MON	12/06/99	NP302	Lake	mix stn/snd	38.0
178	MON	12/06/99	NP303	Lake	mix stn/snd	38.0
178	MON	12/06/99	NP304	Lake	mix stn/snd	38.0
178	MON	12/06/99	NP305	Lake	mix stn/snd	38.0
178	MON	12/06/99	NP306	Lake	mix stn/snd	38.0
179	TUE	12/07/99	NP307	Lake	mix stn/snd	38.0
179	TUE	12/07/99	NP308	Lake	mix stn/snd	38.0
179	TUE	12/07/99	NP309	Lake	mix stn/snd	38.0
179	TUE	12/07/99	NP310	Lake	mix stn/snd	38.0
179	TUE	12/07/99	NP311	Lake	mix stn/snd	38.0
179	TUE	12/07/99	NP312	Lake	mix stn/snd	38.0
180	WED	12/08/99	NP313	Lake	mix stn/snd	38.0
180	WED	12/08/99	NP314	Lake	mix stn/snd	38.0
180	WED	12/08/99	NP315	Lake	mix stn/snd	38.0
180	WED	12/08/99	NP316	Lake	mix stn/snd	38.0
180	WED	12/08/99	NP317	Lake	mix stn/snd	38.0
181	THUR	12/09/99	NP318	Lake	mix stn/snd	38.0
181	THUR	12/09/99	NP319	Lake	mix stn/snd	38.0
181	THUR	12/09/99	NP320	Lake	mix stn/snd	38.0

181	THUR	12/09/99	NP321	Lake	mix stn/snd	38.0
181	THUR	12/09/99	NP322	Lake	mix stn/snd	38.0
181	THUR	12/09/99	NP323	Lake	mix stn/snd	38.0
181	THUR	12/09/99	NP324	Lake	mix stn/snd	38.0
182	FRI	12/10/99	NP325	Lake	mix stn/snd	38.0
182	FRI	12/10/99	NP326	Lake	mix stn/snd	38.0
183	SAT	12/11/99	NP327	Lake	mix stn/snd	38.0
183	SAT	12/11/99	NP328	Lake	mix stn/snd	38.0
183	SAT	12/11/99	NP329	Lake	mix stn/snd	38.0
183	SAT	12/11/99	NP330	Lake	mix stn/snd	38.0
183	SAT	12/11/99	NP331	Lake	mix stn/snd	38.0
183	SAT	12/11/99	NP332	Lake	mix stn/snd	38.0
183	SAT	12/11/99	NP333	Lake	mix stn/snd	38.0
183	SAT	12/11/99	NP334	Lake	mix stn/snd	38.0
185	MON	12/13/99	NP335	Lake	mix stn/snd	38.0
185	MON	12/13/99	NP336	Lake	mix stn/snd	38.0
185	MON	12/13/99	NP337	Lake	mix stn/snd	38.0
185	MON	12/13/99	NP338	Lake	mix stn/snd	38.0
185	MON	12/13/99	NP339	Lake	mix stn/snd	38.0
185	MON	12/13/99	NP340	Lake	mix stn/snd	38.0
186	TUE	12/14/99	NP341	Lake	mix stn/snd	38.0
186	TUE	12/14/99	NP342	Lake	mix stn/snd	38.0
DAY	**DATE**		**Manifest #**	**Source**	**Type**	**Volume (yd^3)**
187	WED	12/15/99	NP343	Lake	mix stn/snd	38.0
188	THUR	12/16/99	NP344	Lake	mix stn/snd	38.0
189	FRI	12/17/99	NP345	Lake	mix stn/snd	38.0
189	FRI	12/17/99	NP346	Lake	ed/tnkslg,san	38.0
189	FRI	12/17/99	NP347	Lake	ed/tnkslg,san	38.0
189	FRI	12/17/99	NP348	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP349	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP350	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP351	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP352	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP353	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP354	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP355	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP356	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP357	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP358	Lake	ed/tnkslg,san	38.0
191	SUN	12/19/99	NP359	Lake	ed/tnkslg,san	38.0

191	SUN	12/19/99	NP360	Lake	ed/tnkslg,san	38.0
192	MON	12/20/99	NP361	Lake	ed/tnkslg,san	38.0
193	TUE	12/21/99	NP362	Lake	ed/tnkslg,san	38.0
194	WED	12/22/99	NP363	Lake	ed/tnkslg,san	38.0
194	WED	12/22/99	NP364	Lake	ed/tnkslg,san	38.0
194	WED	12/22/99	NP365A	Lake	ed/tnkslg,san	38.0
194	WED	12/22/99	NP365B	Lake	ed/tnkslg,san	38.0
194	WED	12/22/99	NP366	Lake	ed/tnkslg,san	38.0
194	WED	12/22/99	NP367	Lake	ed/tnkslg,san	38.0
194	WED	12/22/99	NP368	Lake	ed/tnkslg,san	38.0
194	WED	12/22/99	NP369	Lake	ed/tnkslg,san	38.0
194	WED	12/22/99	NP370	Lake	ed/tnkslg,san	38.0
194	WED	12/22/99	NP371	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP372A	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP372B	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP373	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP374	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP375	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP376	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP377	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP378	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP379	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP380	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP381	Lake	ed/tnkslg,san	38.0

DAY	**DATE**		**Manifest #**	**Source**	**Type**	**Volume (yd^3)**
195	THUR	12/23/99	NP382	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP383	Lake	ed/tnkslg,san	38.0
195	THUR	12/23/99	NP384	Lake	ed/tnkslg,san	38.0
199	MON	12/27/99	NP385	Lake	ed/tnkslg,san	38.0
199	MON	12/27/99	NP386	Lake	ed/tnkslg,san	38.0
199	MON	12/27/99	NP387	Lake	ed/tnkslg,san	38.0
199	MON	12/27/99	NP388	Lake	ed/tnkslg,san	38.0
199	MON	12/27/99	NP389	Lake	ed/tnkslg,san	38.0
199	MON	12/27/99	NP390	Lake	ed/tnkslg,san	38.0
199	MON	12/27/99	NP391	Lake	ed/tnkslg,san	38.0
199	MON	12/27/99	NP392	Lake	ed/tnkslg,san	38.0
						11650.0

Waste Manifest Summary By Pay Item Pay Item 10f							
DAY	**DATE**		**Manifest #**	**Source**	**Type**	**Volume (yd^3)**	
48	THUR	7/29/99	DD001	Lake Shoreline	c&d	13	
49	FRI	7/30/99	DD002	Lake Shoreline	c&d	14	
49	FRI	7/30/99	DD003	Lake Shoreline	c&d	18.0	
49	FRI	7/30/99	DD004	Lake Shoreline	c&d	17.0	
52	MON	8/2/99	DD005	Willetts Creek	c&d	9.0	
52	MON	8/2/99	DD006	Willetts Creek	c&d	14.5	
53	TUE	8/3/99	DD007	Willetts Creek	c&d	15.5	101cy
54	WED	8/4/99	DD008	Willetts Creek	c&d	35.0	
54	WED	8/4/99	DD009	Willetts Creek	c&d	30.0	
56	FRI	8/6/99	DD010	Willetts Creek	c&d	16.0	
56	FRI	8/6/99	DD011	Willetts Creek	c&d	17.0	
57	SAT	8/7/99	DD012	Willetts Creek	c&d	17.0	
150	MON	11/8/99	DD013	Lake Capri	lake debris	8.0	
192	MON	12/20/99	DD014	Lake Capri	lake debris	20.0	
						244	
	Lake Shoreline Debris - 62cy						
	Willetts Creek - 154cy			60 estimated			
	Lake Debris - 28cy			40 estimated			

CONSTRUCTION CERTIFICATION REPORT

DZUS FASTENER SITE (OU2)

TABLE 2

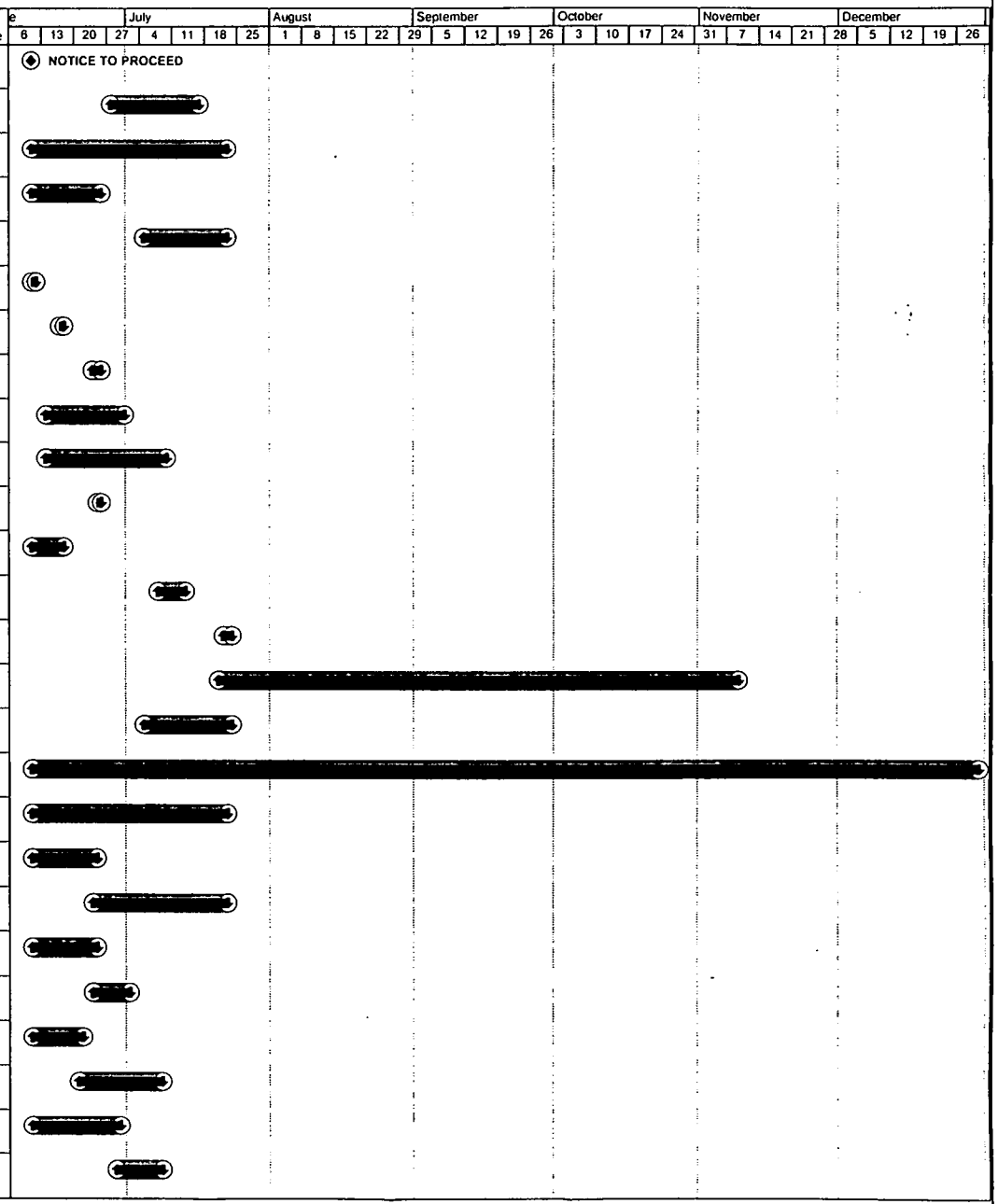
Milestones
(Project Completion Dates)

wner: N.Y.S.D.E.C
ngineer: Earth Tech
ontractor: Blue Water Environmental, Inc.

BLUE WATER ENVIRONMENTAL, INC.
DZUS - LAKE CAPRI DREDGING PROJECT
NYSDEC #D003972
COMPLETED PROJECT SCHEDULE

Status Date: 1/6/00
Date: 1/6/00
Project Start Date: 6/11/99
Project Finish Date: 12/30/99

ID	Task Name	Duration	Start	Finish	% Complete
1	NOTICE TO PROCEED	0 days	Fri 6/11/99	Fri 6/11/99	100%
2	Water Utilities	15 days	Mon 6/28/99	Fri 7/16/99	100%
3	Electric Utilities	30 days	Fri 6/11/99	Thu 7/22/99	100%
4	400 Amp Service	11 days	Fri 6/11/99	Fri 6/25/99	100%
5	Generator	14 days	Mon 7/5/99	Thu 7/22/99	100%
6	Site Survey	1 day	Fri 6/11/99	Fri 6/11/99	100%
7	Pre-Construction photos	1 day	Thu 6/17/99	Thu 6/17/99	100%
8	Hydrographic Survey	2 days	Thu 6/24/99	Fri 6/25/99	100%
9	Project Offices	13 days	Mon 6/14/99	Wed 6/30/99	100%
10	Treatment Building	20 days	Mon 6/14/99	Fri 7/9/99	100%
11	Project Signs	1 day	Fri 6/25/99	Fri 6/25/99	100%
12	Perimeter Fencing	5 days	Fri 6/11/99	Thu 6/17/99	100%
13	Decon Pad	4 days	Thu 7/8/99	Tue 7/13/99	100%
14	Silt Curtain & Booms	2 days	Thu 7/22/99	Fri 7/23/99	100%
15	Air Monitoring	83 days	Wed 7/21/99	Tue 11/9/99	100%
16	Medical Testing	15 days	Mon 7/5/99	Fri 7/23/99	100%
17	Site Security	149 days	Fri 6/11/99	Thu 12/30/99	100%
18	Procurement of Equipment	30 days	Fri 6/11/99	Thu 7/22/99	100%
19	P+D screen deck	10 days	Fri 6/11/99	Thu 6/24/99	100%
20	Fab & Assemble Screen deck	21 days	Thu 6/24/99	Thu 7/22/99	100%
21	P+D Clarifier	10 days	Fri 6/11/99	Thu 6/24/99	100%
22	Set up Clarifier	6 days	Thu 6/24/99	Thu 7/1/99	100%
23	P+D LAX Units	7 days	Fri 6/11/99	Mon 6/21/99	100%
24	Set up LAX Units	14 days	Mon 6/21/99	Thu 7/8/99	100%
25	P+D soil drag	13 days	Fri 6/11/99	Tue 6/29/99	100%
26	Set up / Install soil drag	8 days	Tue 6/29/99	Thu 7/8/99	100%



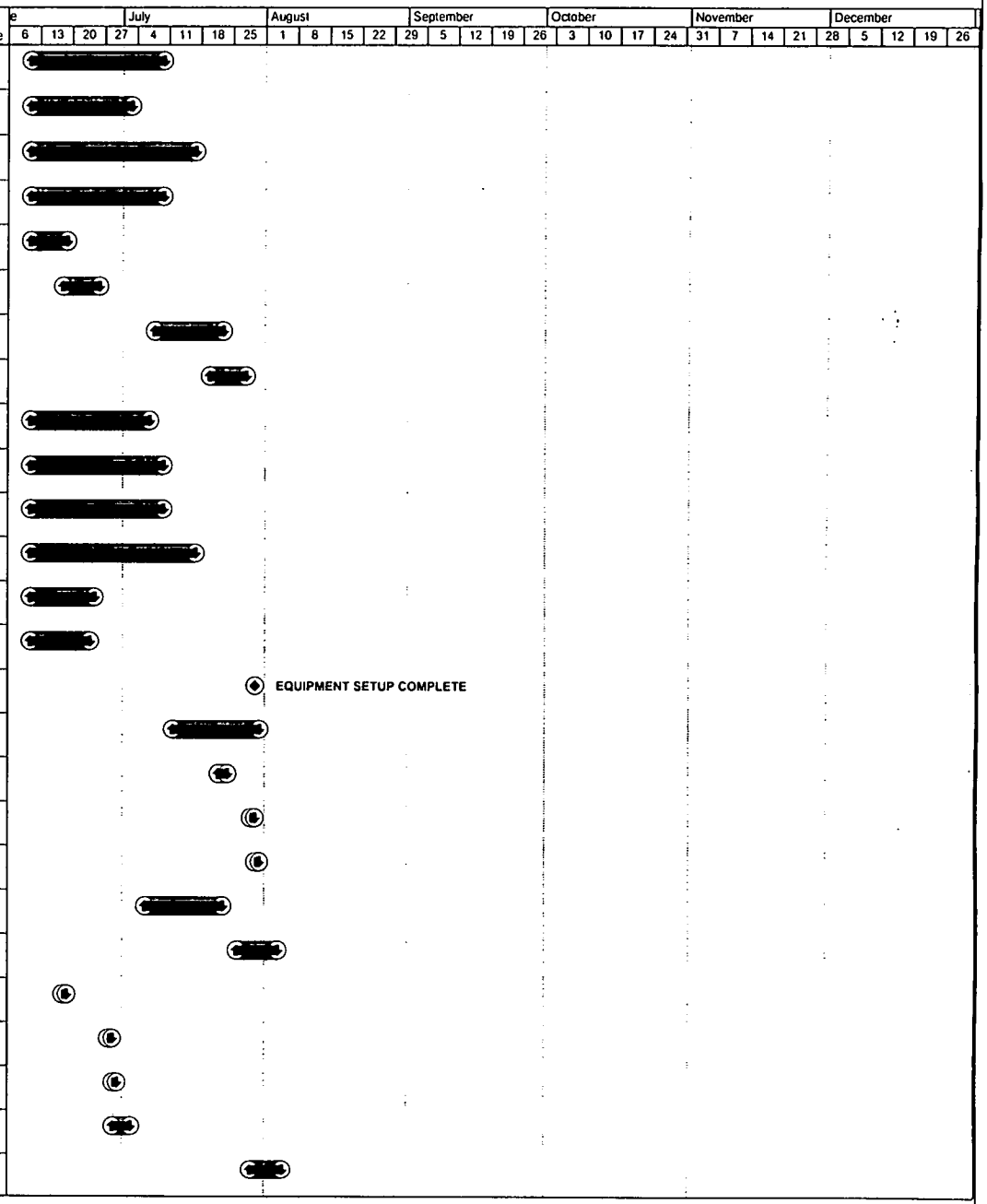
Task
Split
Progress
Milestone
Summary
Rolled Up Task
Rolled Up Split
Rolled Up Milestone
Rolled Up Progress
External Tasks
Project Summary

wner: N.Y.S.D.E.C
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BLUE WATER ENVIRONMENTAL, INC.
DZUS - LAKE CAPRI DREDGING PROJECT
NYSDEC #D003972
COMPLETED PROJECT SCHEDULE

Status Date: 1/6/00
Date: 1/6/00
Project Start Date: 6/11/99
Project Finish Date: 12/30/99

ID	Task Name	Duration	Start	Finish	% Complete
27	P+D Monitoring Station	21 days	Fri 6/11/99	Fri 7/9/99	100%
28	P+D frac. Tanks	16 days	Fri 6/11/99	Fri 7/2/99	100%
29	P+D Polymer tanks	26 days	Fri 6/11/99	Fri 7/16/99	100%
30	P+D Air Compressor	21 days	Fri 6/11/99	Fri 7/9/99	100%
31	P+D Sand Filters	6 days	Fri 6/11/99	Fri 6/18/99	100%
32	Assemble Sand tanks	6 days	Fri 6/18/99	Fri 6/25/99	100%
33	Fill Sand tanks w/ water	11 days	Thu 7/8/99	Thu 7/22/99	100%
34	Deliver Filter Sand	6 days	Tue 7/20/99	Tue 7/27/99	100%
35	P+D Pumps	18 days	Fri 6/11/99	Tue 7/6/99	100%
36	P+D Conveyor Solids	21 days	Fri 6/11/99	Fri 7/9/99	100%
37	P+D Filter Presses	21 days	Fri 6/11/99	Fri 7/9/99	100%
38	P+D header + discharge	26 days	Fri 6/11/99	Fri 7/16/99	100%
39	Dredge Mobilization	10 days	Fri 6/11/99	Thu 6/24/99	100%
40	P+D docks and boats	9 days	Fri 6/11/99	Wed 6/23/99	100%
41	**EQUIPMENT SETUP COMPLETE**	**0 days**	**Fri 7/30/99**	**Fri 7/30/99**	**100%**
42	Wiring & startup	15 days	Mon 7/12/99	Fri 7/30/99	100%
43	Dry Test	2 days	Thu 7/22/99	Fri 7/23/99	100%
44	Water Test	1 day	Thu 7/29/99	Thu 7/29/99	100%
45	Sludge Test	1 day	Fri 7/30/99	Fri 7/30/99	100%
46	Piping	13 days	Tue 7/6/99	Thu 7/22/99	100%
47	Systems Testing	7 days	Mon 7/26/99	Tue 8/3/99	100%
48	Montauk Hwy / Access	1 day	Fri 6/18/99	Fri 6/18/99	100%
49	Lower Lake	1 day	Mon 6/28/99	Mon 6/28/99	100%
50	Fish Eradication Apply ROT	1 day	Tue 6/29/99	Tue 6/29/99	100%
51	Fish Collection	4 days	Tue 6/29/99	Fri 7/2/99	100%
52	Willetts Creek Excavation	5 days	Thu 7/29/99	Wed 8/4/99	100%



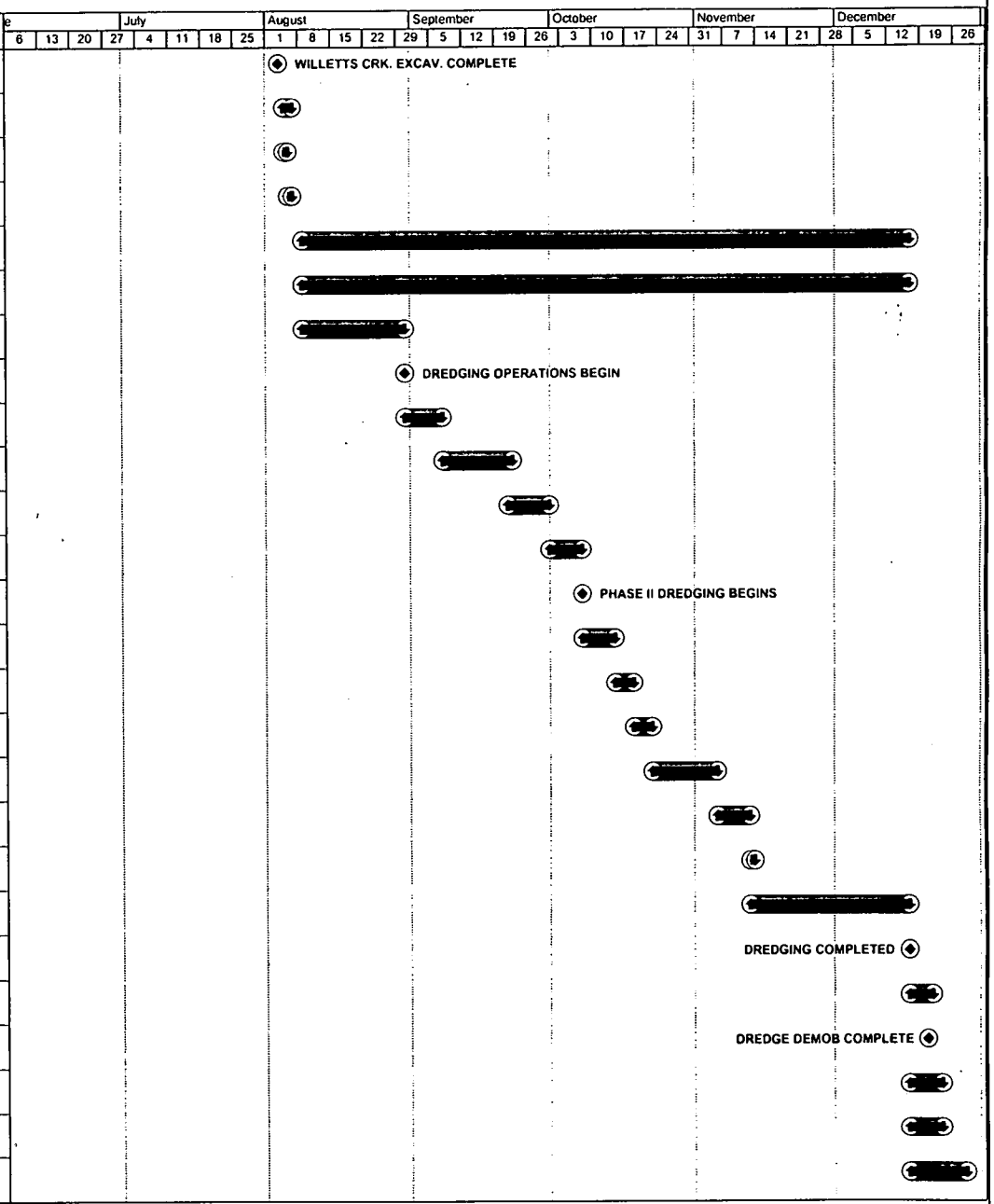
Task
Split
Progress
Milestone
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Rolled Up Task
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External Tasks
Project Summary

wner: N.Y.S.D.E.C
ngineer: Earth Tech
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BLUE WATER ENVIRONMENTAL, INC.
DZUS - LAKE CAPRI DREDGING PROJECT
NYSDEC #D003972
COMPLETED PROJECT SCHEDULE

Status Date: 1/6/00
Date: 1/6/00
Project Start Date: 6/11/99
Project Finish Date: 12/30/99

ID	Task Name	Duration	Start	Finish	% Complete
53	**WILLETTS CRK. EXCAV. COMPLETE**	0 days	Wed 8/4/99	Wed 8/4/99	100%
54	Pilot Test	2 days	Thu 8/5/99	Fri 8/6/99	100%
55	Low Concentration	1 day	Thu 8/5/99	Thu 8/5/99	100%
56	High Concentration	1 day	Fri 8/6/99	Fri 8/6/99	100%
57	Water Treatment Sys. Operation	98 days	Mon 8/9/99	Thu 12/16/99	100%
58	Solids Treatment Sys. Operation	98 days	Mon 8/9/99	Thu 12/16/99	100%
59	System Adjustments / Phase I - Zone I	16 days	Mon 8/9/99	Mon 8/30/99	100%
60	**DREDGING OPERATIONS BEGIN**	**0 days**	**Tue 8/31/99**	**Tue 8/31/99**	**100%**
61	Dredging Phase I - Zone II	6 days	Tue 8/31/99	Tue 9/7/99	100%
62	Dredging Phase I - Zone III	11 days	Wed 9/8/99	Wed 9/22/99	100%
63	Dredge West Shore / Misc. Areas Phase I	7 days	Wed 9/22/99	Thu 9/30/99	100%
64	Dredge Additional Sludge Zone I, Phase I	6 days	Fri 10/1/99	Thu 10/7/99	100%
65	**PHASE II DREDGING BEGINS**	**0 days**	**Fri 10/8/99**	**Fri 10/8/99**	**100%**
66	Dredge NW Corner of Lake (Phase II) New Area I	5 days	Fri 10/8/99	Thu 10/14/99	100%
67	Dredge West Shore Phase II - Incl. New Area II	2 days	Fri 10/15/99	Mon 10/18/99	100%
68	Finish Additional Sludge Zone I - Phase I	4 days	Tue 10/19/99	Fri 10/22/99	100%
69	Additional Dredging Beyond Limits @ NE Corner of Lake New Area I	11 days	Sat 10/23/99	Fri 11/5/99	100%
70	Continue Dredging West Shore / Bulkheads New Area II - Phase II	6 days	Sat 11/6/99	Fri 11/12/99	100%
71	Bulkhead Backfilling	1 day	Sat 11/13/99	Sat 11/13/99	100%
72	Dredging Phase II - New Area III / Bulk of Lake Testing and Re-Dredging	25 days	Sat 11/13/99	Thu 12/16/99	100%
73	**DREDGING COMPLETED**	**0 days**	**Thu 12/16/99**	**Thu 12/16/99**	**100%**
74	Dredge Demob	3 days	Fri 12/17/99	Tue 12/21/99	100%
75	**DREDGE DEMOB COMPLETE**	**0 days**	**Tue 12/21/99**	**Tue 12/21/99**	**100%**
76	Water Treatment Demob	5 days	Fri 12/17/99	Thu 12/23/99	100%
77	Solids Treatment Demob	5 days	Fri 12/17/99	Thu 12/23/99	100%
78	Site Demob	8 days	Fri 12/17/99	Tue 12/28/99	100%



Task — Progress — Summary — Rolled Up Split — Rolled Up Progress — Project Summary
Split — Milestone — Rolled Up Task — Rolled Up Milestone — External Tasks

wner: N.Y.S.D.E.C
ngineer: Earth Tech
ontractor: Blue Water Environmental, Inc.

BLUE WATER ENVIRONMENTAL, INC.
DZUS - LAKE CAPRI DREDGING PROJECT
NYSDEC #D003972
COMPLETED PROJECT SCHEDULE

Status Date: 1/6/00
Date: 1/6/00
Project Start Date: 6/11/99
Project Finish Date: 12/30/99

ID	Task Name	Duration	Start	Finish	% Complete
79	Site Restoration	8 days	Mon 12/20/99	Wed 12/29/99	100%
80	Pave Parking Area	1 day	Thu 12/30/99	Thu 12/30/99	100%
81	**PROJECT COMPLETION**	**0 days**	**Thu 12/30/99**	**Thu 12/30/99**	**100%**

e | July | August | September | October | November | December
6 13 20 27 4 11 18 25 1 8 15 22 29 5 12 19 26 3 10 17 24 31 7 14 21 28 5 12 19 26

PROJECT COMPLETION

Task | Progress | Summary | Rolled Up Split | Rolled Up Progress | Project Summary
Split | Milestone | Rolled Up Task | Rolled Up Milestone | External Tasks

CONSTRUCTION CERTIFICATION REPORT

DZUS FASTENER SITE (OU2)

APPENDIX A

SYSTEM OPERATIONAL DATA

CONSTRUCTION CERTIFICATION REPORT

DZUS FASTENER SITE (OU2)

APPENDIX A

SYSTEM OPERATIONAL DATA

WATER TREATMENT

SPDES Permit Analyticals
DZUS FASTENERS
West Islip, NY

TREATMENT FACILITY WATER SAMPLING								
Sample ID	Date	Time	Type	By	Analytical results	Q	Analysis	Notes
8-10-IN-1	8/10/99	13:00	GRAB	JR/JW	0.17 ppm	U	Al (Dissolved)	
					0.0033 ppm	U	Cd (Dissolved)	
					0.0056 ppm	U	Cr (Dissolved)	
					0.11 ppm	U	Fe (Dissolved)	
					0.0022 ppm	U	Pb (Dissolved)	
					0.024 ppm		Zn (Dissolved)	
8-10-IN-01	8/10/99	13:00	GRAB	JR/JW	0.17 ppm	U	Al (Total Metals)	
					0.0030 ppm	J	Cd (Total Metals)	
					0.0020 ppm	J	Cr (Total Metals)	
					1.07 ppm		Fe (Total Metals)	
					0.0022 ppm	U	Pb (Total Metals)	
					0.060 ppm		Zn (Total metals)	
8-10-Eff-1	8/10/99	13:00	GRAB	JR/JW	0.17 ppm	U	Al (Dissolved)	
					0.0033 ppm	U	Cd (Dissolved)	
					0.0056 ppm	U	Cr (Dissolved)	
					0.11 ppm	U	Fe (Dissolved)	
					0.0022 ppm	U	Pb (Dissolved)	
					0.039 ppm		Zn (Dissolved)	
8-10-Eff-01	8/10/99	13:00	GRAB	JR/JW	0.17 ppm	U	Al (Total Metals)	
					0.0033 ppm	U	Cd (Total Metals)	
					0.0010 ppm	J	Cr (Total Metals)	
					0.16 ppm		Fe (Total Metals)	
					0.0022 ppm	U	Pb (Total Metals)	
					0.026 ppm		Zn (Total metals)	
8-10-IN-2	8/10/99	16:30	GRAB	JR/JW	0.17 ppm	U	Al (Dissolved)	
					0.0033 ppm	U	Cd (Dissolved)	
					0.0056 ppm	U	Cr (Dissolved)	
					0.11 ppm	U	Fe (Dissolved)	
					0.0022 ppm	U	Pb (Dissolved)	
					0.023 ppm		Zn (Dissolved)	
8-10-IN-02	8/10/99	16:30	GRAB	JR/JW	0.024 ppm	J	Al (Total Metals)	
					0.0040 ppm		Cd (Total Metals)	
					0.0010 ppm	J	Cr (Total Metals)	
					0.58 ppm		Fe (Total Metals)	
					0.0022 ppm	U	Pb (Total Metals)	
					0.062 ppm		Zn (Total metals)	
8-10-Eff-2	8/10/99	16:30	GRAB	JR/JW	0.17 ppm	U	Al (Dissolved)	
					0.0033 ppm	U	Cd (Dissolved)	
					0.0056 ppm	U	Cr (Dissolved)	
					0.11 ppm	U	Fe (Dissolved)	
					0.0022 ppm	U	Pb (Dissolved)	
					0.028 ppm		Zn (Dissolved)	
8-10-Eff-02	8/10/99	16:30	GRAB	JR/JW	0.17 ppm	U	Al (Total Metals)	
					0.0033 ppm	U	Cd (Total Metals)	
					0.0056 ppm	U	Cr (Total Metals)	
					0.084 ppm	J	Fe (Total Metals)	
					0.0022 ppm	U	Pb (Total Metals)	
					0.026 ppm		Zn (Total Metals)	
8-12-IN-Pre-1	8/12/99	8:30	GRAB	JW/MG	0.17 ppm	U	Al (Dissolved)	

SPDES Permit Analyticals
DZUS FASTENERS
West Islip, NY

					0.0033 ppm	U	Cd (Dissolved)	
					0.0055 ppm	U	Cr (Dissolved)	
					0.0050 ppm	J	Fe (Dissolved)	
					0.0022 ppm	U	Pb (Dissolved)	
					0.076 ppm		Zn (Dissolved)	
8-12-IN-Pre-01	8/12/99	8:30	GRAB	JW/MG	0.071 ppm	J	Al (Total Metals)	
					0.0033 ppm	U	Cd (Total Metals)	
					0.0056 ppm	U	Cr (Total Metals)	
					0.37 ppm		Fe (Total Metals)	
					0.0022 ppm	U	Pb (Total Metals)	
					0.035 ppm		Zn (Total Metals)	
8-12-IN-Pre-1	8/12/99	8:30	GRAB	JW/MG	19.0 mg/L		TSS	
8-12-IN-Post-1	8/12/99	8:30	GRAB	JW/MG	0.0030 ppm	J	Al (Dissolved)	
					0.0033 ppm	U	Cd (Dissolved)	
					0.0055 ppm	U	Cr (Dissolved)	
					0.0050 ppm	J	Fe (Dissolved)	
					0.0022 ppm	U	Pb (Dissolved)	
					0.032ppm		Zn (Dissolved)	
8-12-IN-Post-01	8/12/99	8:30	GRAB	JW/MG	0.076 ppm	J	Al (Total Metals)	
					0.0033 ppm	U	Cd (Total Metals)	
					0.0056 ppm	U	Cr (Total Metals)	
					0.45 ppm		Fe (Total Metals)	
					0.0022 ppm	U	Pb (Total Metals)	
					0.041 ppm		Zn (Total Metals)	
8-12-IN-Post-1	8/12/99	8:30	GRAB	JW/MG	26.0 mg/L		TSS	
8-12-Eff-1	8/12/99	9:15	GRAB	JW/MG	0.070 ppm	J	Al (Dissolved)	
					0.0033 ppm	U	Cd (Dissolved)	
					0.0055 ppm	U	Cr (Dissolved)	
					0.037 ppm	J	Fe (Dissolved)	
					0.0022 ppm	U	Pb (Dissolved)	
					0.082 ppm		Zn (Dissolved)	
8-12-Eff-01	8/12/99	9:15	GRAB	JW/MG	0.0070 ppm	J	Al (Total Metals)	
					0.0033 ppm	U	Cd (Total Metals)	
					0.0056 ppm	U	Cr (Total Metals)	
					0.050 ppm	J	Fe (Total Metals)	
					0.0022 ppm	U	Pb (Total Metals)	
					0.037 ppm		Zn (Total Metals)	
8-12-Eff-1	8/12/99	9:15	GRAB	JW/MG	4.40 mg/L	U	TSS	
8-12-LAX-IN-01	8/12/99	9:40	GRAB	JW/MG	32.4 ppm		Al (Total Metals)	
					0.50 ppm		Cd (Total Metals)	
					0.085 ppm		Cr (Total Metals)	
					54.7 ppm		Fe (Total Metals)	
					1.37 ppm		Pb (Total Metals)	
					2.13 ppm		Zn (Total Metals)	
8-12-LAX-IN-1	8/12/99	9:40	GRAB	JW/MG	0.17 ppm	U	Al (Dissolved)	
					0.0033 ppm	U	Cd (Dissolved)	
					0.0056 ppm	U	Cr (Dissolved)	
					0.048 ppm	J	Fe (Dissolved)	
					0.0022 ppm	U	Pb (Dissolved)	
					0.042 ppm		Zn (Dissolved)	
8-12-LAX-IN-1	8/12/99	9:40	GRAB	JW/MG	6760 mg/L		TSS	
8-12-LAX-OUT-01	8/12/99	9:45	GRAB	JW/MG	98.7 ppm		Al (Total Metals)	

					1.53 ppm		Cd (Total Metals)	
					0.31 ppm		Cr (Total Metals)	
					119 ppm		Fe (Total Metals)	
					3.45 ppm		Pb (Total Metals)	
					5.47 ppm		Zn (Total Metals)	
8-12-LAX-OUT-1	8/12/99	9:45	GRAB	JW/MG	0.17 ppm	U	Al (Dissolved)	
					0.0033 ppm	U	Cd (Dissolved)	
					0.0056 ppm	U	Cr (Dissolved)	
					0.29 ppm		Fe (Dissolved)	
					0.0022 ppm	U	Pb (Dissolved)	
					0.044 ppm		Zn (Dissolved)	
8-12-LAX-OUT-1	8/12/99	9:45	GRAB	JW/MG	11500 mg/L		TSS	
8-13-LAX-IN-1	8/13/99	13:15	GRAB	JW	4030 mg/L		TSS	
8-13-LAX-OUT-1	8/13/99	13:15	GRAB	JW	1570 mg/L		TSS	
END OF WEEK								
Sample ID	**Date**	**Time**	**Type**	**By**	**Analytical results**	**Q**	**Analysis**	**Notes**
8-19-IN-Pre-1	8/19/99	14:39	GRAB	JW	4.40 mg/L	U	TSS	Pre Injection Tap
					319 mg/l		TDS	
8-19-IN-Pre-1	8/19/99	14:39	GRAB	JW	0.17 ppm	U	Al (Dissolved)	Pre Injection Tap
					0.0033 ppm	U	Cd (Dissolved)	
					0.0056 ppm	U	Cr (Dissolved)	
					0.0030 ppm	J	Fe (Dissolved)	
					0.0022 ppm	U	Pb (Dissolved)	
					0.045 ppm		Zn (Dissolved)	
8-19-IN-Pre-01	8/19/99	14:39	GRAB	JW	0.17 ppm	U	Al (Total Metals)	Pre Injection Tap
					0.0020 ppm	J	Cd (Total Metals)	
					0.0056 ppm	U	Cr (Total Metals)	
					0.10 ppm	J	Fe (Total Metals)	
					0.0022 ppm	U	Pb (Total Metals)	
					0.042 ppm		Zn (Total Metals)	
8-19-IN-Post-1	8/19/99	14:40	GRAB	JW	4.00 mg/L	J	TSS	Post Injection Tap
					343 mg/l		TDS	
8-19-IN-Post-1	8/19/99	14:40	GRAB	JW	0.17 ppm	U	Al (Dissolved)	Post Injection Tap
					0.0033 ppm	U	Cd (Dissolved)	
					0.0056 ppm	U	Cr (Dissolved)	
					0.0060 ppm	J	Fe (Dissolved)	
					0.0022 ppm	U	Pb (Dissolved)	
					0.032 ppm		Zn (Dissolved)	
8-19-IN-Post-01	8/19/99	14:40	GRAB	JW	0.17 ppm	U	Al (Total Metals)	Post Injection Tap
					0.0010 ppm	J	Cd (Total Metals)	
					0.0056 ppm	U	Cr (Total Metals)	
					0.10 ppm	J	Fe (Total Metals)	
					0.0022 ppm	U	Pb (Total Metals)	
					0.042 ppm		Zn (Total Metals)	
8-19-SF1-Eff-1	8/19/99	15:20	GRAB	JW	4.40 mg/L	U	TSS	Sand Filter 1 Eff.
					18.0 ppm		Alkalinity	
8-19-SF1-Eff-1	8/19/99	15:20	GRAB	JW	0.17 ppm	U	Al (Dissolved)	Sand Filter 1 Eff.
					0.0030 ppm	U	Cd (Dissolved)	
					0.0050 ppm	U	Cr (Dissolved)	
					0.014 ppm	J	Fe (Dissolved)	
					0.0020 ppm	U	Pb (Dissolved)	

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					0.037 ppm		Zn (Dissolved)	
8-19-SF1-Eff-01	8/19/99	15:20	GRAB	JW	0.0050 ppm	J	Al (Total Metals)	Sand Filter 1 Eff.
					0.0033 ppm	U	Cd (Total Metals)	
					0.0056 ppm	U	Cr (Total Metals)	
					0.052 ppm	J	Fe (Total Metals)	
					0.0020 ppm	J	Pb (Total Metals)	
					0.038 ppm		Zn (Total Metals)	
8-19-SF2-Eff-1	8/19/99	15:20	GRAB	JW	4.40 mg/L	U	TSS	Sand Filter 2 Eff.
					18.0 pm		Alkalinity	Quad 1
8-19-SF2-Eff-1	8/19/99	15:20	GRAB	JW	0.17 ppm	U	Al (Dissolved)	Sand Filter 2 Eff.
					0.0033 ppm	U	Cd (Dissolved)	Quad 1
					0.0056 ppm	U	Cr (Dissolved)	
					0.0020 ppm	J	Fe (Dissolved)	
					0.0022 ppm	U	Pb (Dissolved)	
					0.040 ppm		Zn (Dissolved)	
8-19-SF2-Eff-01	8/19/99	15:20	GRAB	JW	0.17 ppm	U	Al (Total Metals)	Sand Filter 2 Eff.
					0.0033 ppm	U	Cd (Total Metals)	Quad 1
					0.0056 ppm	U	Cr (Total Metals)	
					0.022 ppm	J	Fe (Total Metals)	
					0.0022 ppm	U	Pb (Total Metals)	
					0.040 ppm		Zn (Total Metals)	
8-19-SF2-Eff-2	8/19/99	15:20	GRAB	JW	4.40 mg/L		TSS	Sand Filter 2 Eff.
					18.0 ppm		Alkalinity	Quad 2
8-19-SF2-Eff-2	8/19/99	15:20	GRAB	JW	0.17 ppm	U	Al (Dissolved)	Sand Filter 2 Eff.
					0.0033 ppm	U	Cd (Dissolved)	Quad 2
					0.0056 ppm	U	Cr (Dissolved)	
					0.0010 ppm	J	Fe (Dissolved)	
					0.0022 ppm	U	Pb (Dissolved)	
					0.038 ppm		Zn (Dissolved)	
8-19-SF2-Eff-02	8/19/99	15:20	GRAB	JW	0.17 ppm	U	Al (Total Metals)	Sand Filter 2 Eff.
					0.0033 ppm	U	Cd (Total Metals)	Quad 2
					0.0056 ppm	U	Cr (Total Metals)	
					0.017 ppm	J	Fe (Total Metals)	
					0.0022 ppm	U	Pb (Total Metals)	
					0.039 ppm		Zn (Total Metals)	
8-19-SF2-Eff-3	8/19/99	15:20	GRAB	JW	18.0 ppm		TSS	Sand Filter 2 Eff.
					4.40 mg/L	U	Alkalinity	Quad 3
8-19-SF2-Eff-3	8/19/99	15:20	GRAB	JW	0.1 ppm	U	Al (Dissolved)	Sand Filter 2 Eff.
					0.0033 ppm	U	Cd (Dissolved)	Quad 3
					0.0056 ppm	U	Cr (Dissolved)	
					0.0040 ppm	J	Fe (Dissolved)	
					0.0022 ppm	U	Pb (Dissolved)	
					0.041 ppm		Zn (Dissolved)	
8-19-SF2-Eff-03	8/19/99	15:20	GRAB	JW	0.17 ppm	U	Al (Total Metals)	Sand Filter 2 Eff.
					0.0033 ppm	U	Cd (Total Metals)	Quad 3
					0.0056 ppm	U	Cr (Total Metals)	
					0.021 ppm	J	Fe (Total Metals)	
					0.0022 ppm	U	Pb (Total Metals)	
					0.041 ppm		Zn (Total Metals)	
8-19-SF2-Eff-4	8/19/99	15:20	GRAB	JW	4.40 mg/L	U	TSS	Sand Filter 2 Eff.
					18.0 ppm		Alkalinity	Quad 4
8-19-SF2-Eff-4	8/19/99	15:20	GRAB	JW	0.17 ppm	U	Al (Dissolved)	Sand Filter 2 Eff.

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					0.0033 ppm	U	Cd (Dissolved)	Quad 4
					0.0056 ppm	U	Cr (Dissolved)	
					0.0040 ppm	J	Fe (Dissolved)	
					0.0022 ppm	U	Pb (Dissolved)	
					0.040 ppm		Zn (Dissolved)	
8-19-SF2-Eff-04	8/19/99	15:20	GRAB	JW	0.17 ppm	U	Al (Total Metals)	Sand Filter 2 Eff.
					0.0033 ppm	U	Cd (Total Metals)	Quad 4
					0.0056 ppm	U	Cr (Total Metals)	
					0.023 ppm	J	Fe (Total Metals)	
					0.0022 ppm	U	Pb (Total Metals)	
					0.042 ppm		Zn (Total Metals)	
8-19-SF3-Eff-1	8/19/99	15:20	GRAB	JW	4.40 mg/L	U	TSS	Sand Filter 3 Eff.
					19.0 ppm		Alkalinity	
8-19-SF3-Eff-1	8/19/99	15:20	GRAB	JW	0.17 ppm	U	Al (Dissolved)	Sand Filter 3 Eff.
					0.0033 ppm	U	Cd (Dissolved)	
					0.0056 ppm	U	Cr (Dissolved)	
					0.012 ppm	J	Fe (Dissolved)	
					0.0022 ppm	U	Pb (Dissolved)	
					0.033 ppm		Zn (Dissolved)	
8-19-SF3-Eff-01	8/19/99	15:20	GRAB	JW	0.17 ppm	U	Al (Total Metals)	Sand Filter 3 Eff.
					0.0033 ppm	U	Cd (Total Metals)	
					0.0056 ppm	U	Cr (Total Metals)	
					0.013 ppm	J	Fe (Total Metals)	
					0.016 ppm	J	Pb (Total Metals)	
					0.037 ppm		Zn (Total Metals)	
8-19-Eff-1	8/19/99	15:25	GRAB	JW	4.40 mg/L	U	TSS	Effluent
					17.0 ppm		Alkalinity	
8-19-Eff-1	8/19/99	15:25	GRAB	JW	0.0060 ppm	U	CN	Effluent
8-19-Eff-1	8/19/99	15:25	GRAB	JW	0.17 ppm	U	Al (Dissolved)	Effluent
					0.0033 ppm	U	Cd (Dissolved)	
					0.0056 ppm	U	Cr (Dissolved)	
					0.0030 ppm	J	Fe (Dissolved)	
					0.0022 ppm	U	Pb (Dissolved)	
					0.036 ppm		Zn (Dissolved)	
8-19-Eff-01	8/19/99	15:25	GRAB	JW	0.17 ppm	U	Al (Total Metals)	Effluent
					0.0033 ppm	U	Cd (Total Metals)	
					0.0056 ppm	U	Cr (Total Metals)	
					0.036 ppm	J	Fe (Total Metals)	
					0.0020 ppm	J	Pb (Total Metals)	
					0.037 ppm		Zn (Total Metals)	
END OF WEEK								
Sample ID	**Date**	**Time**	**Type**	**By**	**Analytical results**	**Q**	**Analysis**	**Notes**
8-31-IN-Post-1	8/31/99	10:51	GRAB	JW/GD	4.40 mg/L	U	TSS	Post Injection Tap
							TDS	
8-31-IN-Post-1	8/31/99	10:51	GRAB	JW/GD	0.041 ppm	J	Al (Dissolved)	Post Injection Tap
					0.0033 ppm	U	Cd (Dissolved)	
					0.0056 ppm	U	Cr (Dissolved)	
					0.11 ppm	U	Fe (Dissolved)	
					0.0022 ppm	U	Pb (Dissolved)	
					0.060 ppm		Zn (Dissolved)	
8-31-IN-Post-01	8/31/99	10:51	GRAB	JW/GD	0.060 ppm	J	Al (Total Metals)	Post Injection Tap

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					0.0010 ppm	J	Cd (Total Metals)	
					0.0056 ppm	U	Cr (Total Metals)	
					0.095 ppm	J	Fe (Total Metals)	
					0.0022 ppm	U	Pb (Total Metals)	
					0.051 ppm		Zn (Total Metals)	
8-31-Eff-1	8/31/99	11:25	GRAB	JW/GD	4.40 mg/L	U	TSS	Effluent, Quad 1
					13.0 ppm		Alkalinity	
8-31-Eff-1	8/31/99	11:25	GRAB	JW/GD	0.0060 ppm	U	CN	Effluent, Quad 1
8-31-Eff-1	8/31/99	11:25	GRAB	JW/GD	0.034 ppm	J	Al (Dissolved)	Effluent, Quad 1
					0.0033 ppm	U	Cd (Dissolved)	
					0.0056 ppm	U	Cr (Dissolved)	
					0.11 ppm	U	Fe (Dissolved)	
					0.0022 ppm	U	Pb (Dissolved)	
					0.046 ppm		Zn (Dissolved)	
8-31-Eff-01	8/31/99	11:25	GRAB	JW/GD	0.025 ppm	J	Al (Total Metals)	Effluent, Quad 1
					0.0033 ppm	U	Cd (Total Metals)	
					0.0056 ppm	U	Cr (Total Metals)	
					0.025 ppm	J	Fe (Total Metals)	
					0.0022 ppm	U	Pb (Total Metals)	
					0.046 ppm		Zn (Total Metals)	
8-31-Eff-2	8/31/99	11:25	GRAB	JW/GD	4.40 mg/L	U	TSS	Effluent, Quad 2
					12.0 ppm		Alkalinity	
8-31-Eff-2	8/31/99	11:25	GRAB	JW/GD	0.0090 ppm		CN	Effluent, Quad 2
8-31-Eff-2	8/31/99	11:25	GRAB	JW/GD	0.029 ppm	J	Al (Dissolved)	Effluent, Quad 2
					0.0033 ppm	U	Cd (Dissolved)	
					0.0056 ppm	U	Cr (Dissolved)	
					0.11 ppm	U	Fe (Dissolved)	
					0.0022 ppm	U	Pb (Dissolved)	
					0.074 ppm		Zn (Dissolved)	
8-31-Eff-02	8/31/99	11:25	GRAB	JW/GD	0.054 ppm	J	Al (Total Metals)	Effluent, Quad 2
					0.0033 ppm	U	Cd (Total Metals)	
					0.0056 ppm	U	Cr (Total Metals)	
					0.015 ppm	J	Fe (Total Metals)	
					0.0022 ppm	U	Pb (Total Metals)	
					0.042 ppm		Zn (Total Metals)	
8-31-Eff-3	8/31/99	11:25	GRAB	JW/GD			TSS	Effluent, Quad 3
					11.0 ppm		Alkalinity	
8-31-Eff-3	8/31/99	11:25	GRAB	JW/GD	0.0060 ppm	U	CN	Effluent, Quad 3
8-31-Eff-3	8/31/99	11:25	GRAB	JW/GD			Al (Dissolved)	Effluent, Quad 3
							Cd (Dissolved)	
							Cr (Dissolved)	
							Fe (Dissolved)	
							Pb (Dissolved)	
							Zn (Dissolved)	
8-31-Eff-03	8/31/99	11:25	GRAB	JW/GD			Al (Total Metals)	Effluent, Quad 3
							Cd (Total Metals)	
							Cr (Total Metals)	
							Fe (Total Metals)	
							Pb (Total Metals)	
							Zn (Total Metals)	
8-31-Eff-4	8/31/99	11:25	GRAB	JW/GD	4.40 mg/L	U	TSS	Effluent, Quad 4
					13.0 ppm		Alkalinity	

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8-31-Eff-4	8/31/99	11:25	GRAB	JW/GD	0.0060 ppm	U	CN	Effluent, Quad 4
8-31-Eff-4	8/31/99	11:25	GRAB	JW/GD			Al (Dissolved)	Effluent, Quad 4
							Cd (Dissolved)	
							Cr (Dissolved)	
							Fe (Dissolved)	
							Pb (Dissolved)	
							Zn (Dissolved)	
8-31-Eff-04	8/31/99	11:25	GRAB	JW/GD			Al (Total Metals)	Effluent, Quad 4
							Cd (Total Metals)	
							Cr (Total Metals)	
							Fe (Total Metals)	
							Pb (Total Metals)	
							Zn (Total Metals)	
END OF WEEK								

CONSTRUCTION CERTIFICATION REPORT

DZUS FASTENER SITE (OU2)

APPENDIX A

SYSTEM OPERATIONAL DATA

AIR MONITORING

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
Air Monitoring - Perimeter Documentation Samples
UP WIND STATION #1

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3
Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Up Wind Results Total Dust (mg/m^3)	Up Wind Results Total Cadmium (mg/m^3)	Up Wind Average Weekly Total Cadmium (mg/m^3)
072199A203BG	480	4.0	1860	7/21/99	7/28/99	<0.023	<0.0001	
072299A252BG	306	4.0	1224	7/22/99	7/28/99	<0.037	<0.0001	
072399A203BG	350	4.0	1400	7/23/99	7/28/99	0.044	<0.0001	
End of Week								<0.0001
072699A203PMS	510	4.0	2040	7/26/99	7/28/99	0.037	<0.0001	
072799A203PMS	490	4.0	1960	7/27/99	7/28/99	0.031	<0.0001	
072899A203PMS	505	4.0	2020	7/28/99	7/28/99	0.031	<0.0001	
072999A203PMS	465	4.0	1860	7/29/99	8/6/99	0.056	<0.0001	
073099A252PMS	520	4.0	2080	7/30/99	8/6/99	0.032	<0.0001	
End of Week								<0.0001
080299A252PMS	520	4.0	2080	8/2/99	8/6/99	<0.022	<0.0001	
080399A252PMS	540	4.0	2080	8/3/99	8/6/99	<0.021	<0.0001	
080499A252PMS	650	4.0	2600	8/4/99	8/6/99	0.028	<0.0001	
080599A252PMS	465	4.0	1860	8/5/99	8/6/99	0.024	<0.0001	
080699A252PMS	450	4.0	1800	8/6/99	8/13/99	0.029	<0.0001	
End of Week								<0.0001
080999A252PMS	145	4.0	580	8/9/99	8/13/99	<0.078	<0.0002	
081099A252PMS	395	4.0	1580	8/10/99	8/13/99	<0.028	<0.0001	
081199A251PMS	290	4.0	1160	8/11/99	8/13/99	0.059	<0.0001	
081299A251PMS	500	4.0	2000	8/12/99	8/13/99	0.056	<0.0001	
081399A251PMS	345	4.0	1380	8/13/99	8/19/99	0.041	<0.0001	
End of Week								<0.0001
081699A250PMS	545	4.0	2180	8/16/99	8/19/99	0.039	<0.0001	
081799A250PMS	410	4.0	1640	8/17/99	8/19/99	0.044	<0.0001	
081899A250PMS	490	4.0	1960	8/18/99	8/19/99	0.033	<0.0001	
081999A250PMS	500	4.0	2000	8/19/99	8/26/99	<0.026	<0.0001	
End of Week								<0.0001

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
Air Monitoring - Perimeter Documentation Samples
UP WIND STATION #1

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3
Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Up Wind Results Total Dust (mg/m^3)	Up Wind Results Total Cadmium (mg/m^3)	Up Wind Average Weekly Total Cadmium (mg/m^3)
082399A250PMS	410	4.0	1640	8/23/99	8/26/99	<0.032	<0.0001	
082499A250PMS	305	4.0	1220	8/24/99	8/26/99	<0.043	<0.0001	
082599A251PMS	440	4.0	1760	8/25/99	8/26/99	<0.030	<0.0001	
082799A251PMS	365	4.0	1460	8/27/99	9/3/99	<0.036	<0.0001	
082899A251PMS	340	4.0	1360	8/28/99	9/3/99	<0.039	<0.0001	
End of Week								<0.0001
083099A253PMS	470	4.0	1880	8/30/99	9/3/99	<0.028	<0.0001	
083199A251PMS	470	4.0	1880	8/31/99	9/3/99	<0.028	<0.0001	
090199A252PMS	555	4.0	2220	9/1/99	9/3/99	<0.024	<0.0001	
090299A252PMS	500	4.0	2000	9/2/99	9/3/99	<0.026	<0.0001	
End of Week								<0.0001
091399A251PMS	395	3.0	1185	9/13/99	9/22/99	<0.045	<0.0001	
091499A251PMS	465	3.0	1395	9/14/99	9/22/99	<0.038	<0.0001	
End of Week								<0.0001
092099A251PMS	480	3.0	1440	9/20/99	9/22/99	<0.037	<0.0001	
092399A251PMS	310	3.0	930	9/23/99	10/1/99	0.074	<0.0001	
092499A251PMS	395	3.0	1185	9/24/99	10/1/99	<0.045	<0.0001	
End of Week								<0.0001
092799A251PMS	485	3.0	1455	9/27/99	10/1/99	0.157	<0.0001	
092899A251PMS	455	3.0	1365	9/28/99	10/1/99	<0.039	<0.0001	
092999A251PMS	520	3.0	1560	9/29/99	10/1/99	<0.034	<0.0001	
100199A251PMS	385	3.0	1155	10/1/99	10/14/99	<0.046	<0.0001	
End of Week								<0.0001
100699A251PMS	290	3.0	870	10/6/99	10/14/99	<0.061	<0.0001	
100799A251PMS	420	3.0	1260	10/7/99	10/14/99	<0.042	<0.0001	
End of Week								<0.0001

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
Air Monitoring - Perimeter Documentation Samples
UP WIND STATION #1

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3
Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Up Wind Results Total Dust (mg/m^3)	Up Wind Results Total Cadmium (mg/m^3)	Up Wind Average Weekly Total Cadmium (mg/m^3)
101399A251PMS	490	3.0	1470	10/13/99	10/14/99	<0.036	<0.0001	
101499A251PMS	415	3.0	1245	10/14/99	10/20/99	<0.043	<0.0001	
101599A251PMS	430	3.0	1290	10/15/99	10/20/99	<0.041	<0.0001	
End of Week								<0.0001
101899A251PMS	240	3.0	720	10/18/99	10/20/99	0.117	<0.0001	
101999A251PMS	200	3.0	600	10/19/99	10/20/99	<0.088	<0.0002	
102199A251PMS	480	3.0	1440	10/21/99	11/2/99	<0.037	<0.0001	
End of Week								<0.0001
102599A251PMS	480	3.0	1440	10/25/99	11/2/99	<0.037	<0.0001	
102699A251PMS	620	3.0	1860	10/26/99	11/2/99	0.037	<0.0001	
102799A251PMS	375	3.0	1125	10/27/99	11/2/99	<0.047	<0.0001	
102899A251PMS	430	3.0	1290	10/28/99	11/2/99	<0.041	<0.0001	
102999A251PMS	270	3.0	810	10/29/99	11/2/99	<0.065	<0.0001	
End of Week								<0.0001
110599A251PMS	355	3.0	1065	11/5/99	11/11/99	<0.050	<0.0001	
End of Week								<0.0001
110899A251PMS	475	3.0	1425	11/8/99	11/11/99	<0.037	<0.0001	
110999A251PMS	490	3.0	1470	11/9/99	11/11/99	<0.036	<0.0001	
111099A251PMS	305	3.0	915	11/10/99	11/11/99	<0.058	<0.0001	
111199A251PMS	540	3.0	1620	11/11/99	11/18/99	<0.028	<0.0001	
111299A251PMS	565	3.0	1695	11/12/99	11/18/99	<0.027	<0.0001	
End of Week								<0.0001
111599A251PMS	510	3.0	1515	11/15/99	11/18/99	0.065	<0.0001	
111699A251PMS	540	3.0	1620	11/16/99	11/18/99	0.074	<0.0001	
111799A251PMS	555	3.0	1665	11/17/99	11/18/99	<0.027	<0.0001	
111899A251PMS	350	3.0	1050	11/18/99	12/1/99	<0.050	<0.0001	
111999A251PMS	490	3.0	1470	11/19/99	12/1/99	<0.036	<0.0001	

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
Air Monitoring - Perimeter Documentation Samples
UP WIND STATION #1

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3
Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Up Wind Results Total Dust (mg/m^3)	Up Wind Results Total Cadmium (mg/m^3)	Up Wind Average Weekly Total Cadmium (mg/m^3)
112099A251PMS	360	3.0	1080	11/20/99	12/1/99	<0.049	<0.0001	
112199A251PMS	360	3.0	1080	11/21/99	12/1/99	<0.049	<0.0001	
End of Week								<0.0001
112499A251PMS	362	3.0	1086	11/24/99	12/1/99	<0.049	<0.0001	
112999A251PMS	310	3.0	930	11/29/99	12/1/99	<0.057	<0.0001	
End of Week								<0.0001
113099A251PMS	475	3.0	1425	11/30/99	12/1/99	<0.037	<0.0001	
120199A251PMS	515	3.0	1545	12/1/99	12/16/99	<0.034	<0.0001	
120299A251PMS	440	3.0	1320	12/2/99	12/16/99	0.074	<0.0001	
120399A251PMS	445	3.0	1335	12/3/99	12/16/99	0.043	<0.0001	
End of Week								<0.0001
120999A251PMS	205	3.0	615	12/9/99	12/16/99	<0.086	<0.0002	
End of Week								<0.0002
121399A251PMS	445	3.0	1335	12/13/99	12/16/99	<0.040	<0.0001	<0.0001
END OF PROJECT								

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
Air Monitoring - Perimeter Documentation Samples
DOWN WIND STATION #2

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3
Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Station #1 Down Wind Results Total Dust (mg/m^3)	Station #1 Down Wind Results Total Cadmium (mg/m^3)	Station #1 Average Weekly Total Cadmium (mg/m^3)
072199A252BG	465	4.0	1860	7/21/99	7/28/99	0.026	<0.0001	
072299A253BG	310	4.0	1240	7/22/99	7/28/99	<0.036	<0.0001	
072399A252BG	280	4.0	1120	7/23/99	7/28/99	<0.040	<0.0001	
End of Week								<0.0001
072699A252PMS	500	4.0	2000	7/26/99	7/28/99	0.035	<0.0001	
072799A252PMS	505	4.0	2020	7/27/99	7/28/99	0.037	<0.0001	
072899A252PMS	500	4.0	2000	7/28/99	7/28/99	0.048	<0.0001	
072999A252PMS	520	4.0	2080	7/29/99	8/6/99	0.052	<0.0001	
073099A253PMS	510	4.0	2040	7/30/99	8/6/99	<0.022	<0.0001	
End of Week								<0.0001
080299A253PMS	510	4.0	2040	8/2/99	8/6/99	<0.022	<0.0001	
080399A253PMS	540	4.0	2160	8/3/99	8/6/99	0.025	<0.0001	
080499A253PMS	635	4.0	2540	8/4/99	8/6/99	0.02	<0.0001	
080599A253PMS	465	4.0	1860	8/5/99	8/6/99	0.045	<0.0001	
080699A253PMS	465	4.0	1860	8/6/99	8/13/99	0.026	<0.0001	
End of Week								<0.0001
080999A253PMS	150	4.0	600	8/9/99	8/13/99	<0.075	<0.0002	
081099A253PMS	395	4.0	1580	8/10/99	8/13/99	<0.028	<0.0001	
081199A252PMS	285	4.0	1140	8/11/99	8/13/99	0.068	<0.0001	
081299A252PMS	510	4.0	2040	8/12/99	8/13/99	0.064	<0.0001	
081399A252PMS	345	4.0	1380	8/13/99	8/19/99	0.07	<0.0001	
End of Week								<0.0001
081699A251PMS	540	4.0	2160	8/16/99	8/19/99	<0.021	<0.0001	
081799A251PMS	410	4.0	1640	8/17/99	8/19/99	0.049	<0.0001	
081899A251PMS	480	4.0	1920	8/18/99	8/19/99	0.038	<0.0001	
081999A251PMS	485	4.0	1940	8/19/99	8/26/99	<0.027	<0.0001	
End of Week								<0.0001

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
Air Monitoring - Perimeter Documentation Samples
DOWN WIND STATION #2

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3
Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Station #1 Down Wind Results Total Dust (mg/m^3)	Station #1 Down Wind Results Total Cadmium (mg/m^3)	Station #1 Average Weekly Total Cadmium (mg/m^3)
082399A251PMS	410	4.0	1640	8/23/99	8/26/99	<0.032	<0.0001	
082499A251PMS	300	4.0	1200	8/24/99	8/26/99	<0.044	<0.0001	
082599A252PMS	445	4.0	1780	8/25/99	8/26/99	<0.030	<0.0001	
082799A252PMS	360	4.0	1440	8/27/99	9/3/99	<0.037	<0.0001	
082899A252PMS	345	4.0	1380	8/28/99	9/3/99	<0.038	<0.0001	
End of Week								<0.0001
083099A252PMS	470	4.0	1880	8/30/99	9/3/99	<0.028	<0.0001	
083199A252PMS	470	4.0	1880	8/31/99	9/3/99	<0.028	<0.0001	
090199A253PMS	560	4.0	2240	9/1/99	9/3/99	0.047	<0.0001	
090299A253PMS	516	4.0	2064	9/2/99	9/3/99	0.103	<0.0001	
End of Week								<0.0001
091399A252PMS	395	3.0	1185	9/13/99	9/22/99	<0.045	<0.0001	
091499A252PMS	470	3.0	1410	9/14/99	9/22/99	<0.038	<0.0001	
End of Week								<0.0001
092099A252PMS	465	3.0	1395	9/20/99	9/22/99	<0.038	<0.0001	
092399A252PMS	305	3.0	915	9/23/99	10/1/99	<0.058	<0.0001	
092499A252PMS	395	3.0	1185	9/24/99	10/1/99	<0.045	<0.0001	
End of Week								<0.0001
092799A252PMS	485	3.0	1455	9/27/99	10/1/99	<0.036	<0.0001	
092899A252PMS	450	3.0	1350	9/28/99	10/1/99	<0.039	<0.0001	
092999A252PMS	515	3.0	1545	9/29/99	10/1/99	<0.034	<0.0001	
100199A252PMS	440	3.0	1320	10/1/99	10/14/99	<0.040	<0.0001	
End of Week								<0.0001
100699A252PMS	285	3.0	855	10/6/99	10/14/99	<0.062	<0.0001	
100799A252PMS	420	3.0	1260	10/7/99	10/14/99	<0.042	<0.0001	
End of Week								<0.0001

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
Air Monitoring - Perimeter Documentation Samples
DOWN WIND STATION #2

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3
Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Station #1 Down Wind Results Total Dust (mg/m^3)	Station #1 Down Wind Results Total Cadmium (mg/m^3)	Station #1 Average Weekly Total Cadmium (mg/m^3)
101399A252PMS	485	3.0	1455	10/13/99	10/14/99	<0.036	<0.0001	
101499A252PMS	415	3.0	1245	10/14/99	10/20/99	<0.043	<0.0001	
101599A252PMS	430	3.0	1290	10/15/99	10/20/99	<0.041	<0.0001	
End of Week								<0.0001
101899A252PMS	240	3.0	720	10/18/99	10/20/99	0.215	<0.0001	
101999A252PMS	195	3.0	585	10/19/99	10/20/99	<0.091	<0.0002	
102199A252PMS	470	3.0	1410	10/21/99	11/2/99	<0.038	<0.0001	
End of Week								<0.0001
102599A252PMS	475	3.0	1425	10/25/99	11/2/99	<0.037	<0.0001	
102699A252PMS	600	3.0	1800	10/26/99	11/2/99	<0.029	<0.0001	
102799A252PMS	380	3.0	1140	10/27/99	11/2/99	<0.046	<0.0001	
102899A252PMS	440	3.0	1320	10/28/99	11/2/99	<0.040	<0.0001	
102999A252PMS	270	3.0	810	10/29/99	11/2/99	<0.065	<0.0001	
End of Week								<0.0001
110599A252PMS	345	3.0	1035	11/5/99	11/11/99	<0.051	<0.0001	
End of Week								<0.0001
110899A252PMS	470	3.0	1410	11/8/99	11/11/99	<0.038	<0.0001	
110999A252PMS	490	3.0	1470	11/9/99	11/11/99	<0.036	<0.0001	
111099A252PMS	305	3.0	915	11/10/99	11/11/99	<0.058	<0.0001	
111199A252PMS	540	3.0	1620	11/11/99	11/18/99	<0.028	<0.0001	
111299A252PMS	565	3.0	1695	11/12/99	11/18/99	0.031	<0.0001	
End of Week								<0.0001
111599A252PMS	510	3.0	1530	11/15/99	11/18/99	0.044	<0.0001	
111699A252PMS	545	3.0	1635	11/16/99	11/18/99	<0.028	<0.0001	
111799A252PMS	555	3.0	1665	11/17/99	11/18/99	<0.027	<0.0001	
111899A252PMS	375	3.0	1125	11/18/99	12/1/99	<0.047	<0.0001	
111999A252PMS	465	3.0	1395	11/19/99	12/1/99	<0.038	<0.0001	

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
Air Monitoring - Perimeter Documentation Samples
DOWN WIND STATION #2

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3
Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Station #1 Down Wind Results Total Dust (mg/m^3)	Station #1 Down Wind Results Total Cadmium (mg/m^3)	Station #1 Average Weekly Total Cadmium (mg/m^3)
112099A252PMS	430	3.0	1290	11/20/99	12/1/99	<0.041	<0.0001	
112199A252PMS	355	3.0	1065	11/21/99	12/1/99	<0.050	<0.0001	
End of Week								<0.0001
112499A252PMS	360	3.0	1080	11/24/99	12/1/99	<0.049	<0.0001	
112999A252PMS	310	3.0	930	11/29/99	12/1/99	<0.057	<0.0001	
End of Week								<0.0001
113099A252PMS	465	3.0	1395	11/30/99	12/1/99	0.145	<0.0001	
120199A252PMS	505	3.0	1515	12/1/99	12/16/99	<0.035	<0.0001	
120299A252PMS	420	3.0	1260	12/2/99	12/16/99	<0.042	<0.0001	
120399A252PMS	445	3.0	1335	12/3/99	12/16/99	0.114	<0.0001	
End of Week								<0.0001
120999A252PMS	210	3.0	630	12/9/99	12/16/99	<0.084	<0.0001	
End of Week								<0.0001
121399A252PMS	420	3.0	1260	12/13/99	12/16/99	<0.042	<0.0001	<0.0001
END OF PROJECT								

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
Air Monitoring - Perimeter Documentation Samples
DOWN WIND STATION #3

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3
Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Station #2 Down Wind Results Total Dust (mg/m^3)	Station #2 Down Wind Results Total Cadmium (mg/m^3)	Station #2 Average Weekly Total Cadmium (mg/m^3)
081099A254PMS	390	4.0	1560	8/10/99	8/13/99	<0.029	<0.0001	
081199A253PMS	290	4.0	1160	8/11/99	8/13/99	0.061	<0.0001	
081299A253PMS	515	4.0	2060	8/12/99	8/13/99	0.059	<0.0001	
081399A253PMS	345	4.0	1380	8/13/99	8/19/99	0.059	<0.0001	
End of Week								<0.0001
081699A252PMS	530	4.0	2120	8/16/99	8/19/99	<0.021	<0.0001	
081799A252PMS	405	4.0	1620	8/17/99	8/19/99	0.047	<0.0001	
081899A252PMS	470	4.0	1880	8/18/99	8/19/99	0.035	<0.0001	
081999A252PMS	500	4.0	2000	8/19/99	8/26/99	<0.026	<0.0001	
End of Week								<0.0001
082399A252PMS	410	4.0	1640	8/23/99	8/26/99	<0.032	<0.0001	
082499A252PMS	305	4.0	1220	8/24/99	8/26/99	<0.043	<0.0001	
082599A253PMS	445	4.0	1780	8/25/99	8/26/99	<0.030	<0.0001	
082799A253PMS	365	4.0	1460	8/27/99	9/3/99	<0.036	<0.0001	
082899A253PMS	350	4.0	1400	8/28/99	9/3/99	<0.038	<0.0001	
End of Week								<0.0001
083099A251PMS	465	4.0	1860	8/30/99	9/3/99	<0.028	<0.0001	
083199A253PMS	465	4.0	1860	8/31/99	9/3/99	0.057	<0.0001	
090199A254PMS	565	4.0	2260	9/1/99	9/3/99	0.135	<0.0001	
090299A254PMS	509	4.0	2036	9/2/99	9/3/99	0.035	<0.0001	
End of Week								<0.0001
091399A253PMS	395	3.0	1185	9/13/99	9/22/99	<0.045	<0.0001	
091499A253PMS	470	3.0	1410	9/14/99	9/22/99	<0.038	<0.0001	
End of Week								<0.0001
092099A253PMS	470	3.0	1410	9/20/99	9/22/99	<0.038	<0.0001	
092399A253PMS	295	3.0	885	9/23/99	10/1/99	<0.060	<0.0001	
092499A253PMS	385	3.0	1155	9/24/99	10/1/99	0.049	<0.0001	
End of Week								<0.0001

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
Air Monitoring - Perimeter Documentation Samples
DOWN WIND STATION #3

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3
Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Station #2 Down Wind Results Total Dust (mg/m^3)	Station #2 Down Wind Results Total Cadmium (mg/m^3)	Station #2 Average Weekly Total Cadmium (mg/m^3)
092799A253PMS	495	3.0	1485	9/27/99	10/1/99	<0.036	<0.0001	
092899A253PMS	450	3.0	1350	9/28/99	10/1/99	0.498	<0.0001	
092999A253PMS	515	3.0	1545	9/29/99	10/1/99	<0.034	<0.0001	
100199A253PMS	390	3.0	1170	10/1/99	10/14/99	<0.045	<0.0001	
End of Week								<0.0001
100699A253PMS	280	3.0	840	10/6/99	10/14/99	<0.063	<0.0001	
100799A253PMS	415	3.0	1245	10/7/99	10/14/99	<0.043	<0.0001	
End of Week								
101399A253PMS	495	3.0	1485	10/13/99	10/14/99	<0.036	<0.0001	
101499A253PMS	415	3.0	1245	10/14/99	10/20/99	<0.043	<0.0001	
101599A253PMS	430	3.0	1290	10/15/99	10/20/99	<0.041	<0.0001	
End of Week								<0.0001
101899A253PMS	240	3.0	720	10/18/99	10/20/99	<0.074	<0.0001	
101999A253PMS	205	3.0	615	10/19/99	10/20/99	<0.086	<0.0002	
102199A253PMS	485	3.0	1455	10/21/99	11/2/99	<0.036	<0.0001	
End of Week								<0.0001
102599A253PMS	480	3.0	1440	10/25/99	11/2/99	<0.037	<0.0001	
102699A253PMS	605	3.0	1815	10/26/99	11/2/99	0.164	<0.0001	
102799A253PMS	375	3.0	1125	10/27/99	11/2/99	<0.047	<0.0001	
102899A253PMS	430	3.0	1290	10/28/99	11/2/99	<0.041	<0.0001	
102999A253PMS	270	3.0	810	10/29/99	11/2/99	<0.065	<0.0001	
End of Week								<0.0001
110599A253PMS	360	3.0	1080	11/5/99	11/11/99	<0.049	<0.0001	
End of Week								<0.0001
110899A253PMS	485	3.0	1455	11/8/99	11/11/99	<0.036	<0.0001	
110999A253PMS	500	3.0	1500	11/9/99	11/11/99	0.037	<0.0001	
111099A253PMS	305	3.0	915	11/10/99	11/11/99	<0.058	<0.0001	
111199A253PMS	540	3.0	1620	11/11/99	11/18/99	<0.028	<0.0001	
111299A253PMS	555	3.0	1665	11/12/99	11/18/99	0.034	<0.0001	
End of Week								<0.0001

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
Air Monitoring - Perimeter Documentation Samples
DOWN WIND STATION #3

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3
Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Station #2 Down Wind Results Total Dust (mg/m^3)	Station #2 Down Wind Results Total Cadmium (mg/m^3)	Station #2 Average Weekly Total Cadmium (mg/m^3)
111599A253PMS	530	3.0	1590	11/15/99	11/18/99	<0.028	<0.0001	
111699A253PMS	550	3.0	1650	11/16/99	11/18/99	0.130	<0.0001	
111799A253PMS	565	3.0	1695	11/17/99	11/18/99	<0.027	<0.0001	
111899A253PMS	375	3.0	1125	11/18/99	12/1/99	<0.047	<0.0001	
111999A253PMS	490	3.0	1470	11/19/99	12/1/99	<0.036	<0.0001	
112099A253PMS	435	3.0	1305	11/20/99	12/1/99	<0.041	<0.0001	
112199A253PMS	350	3.0	1050	11/21/99	12/1/99	<0.050	<0.0001	
End of Week								<0.0001
112499A253PMS	360	3.0	1080	11/24/99	12/1/99	<0.049	<0.0001	
112999A253PMS	310	3.0	930	11/29/99	12/1/99	<0.057	<0.0001	
End of Week								<0.0001
113099A253PMS	475	3.0	1425	11/30/99	12/1/99	<0.037	<0.0001	
120199A253PMS	505	3.0	1515	12/1/99	12/16/99	<0.035	<0.0001	
120299A253PMS	420	3.0	1260	12/2/99	12/16/99	<0.042	<0.0001	
120399A253PMS	445	3.0	1335	12/3/99	12/16/99	0.046	<0.0001	
End of Week								<0.0001
120999A253PMS	207	3.0	621	12/9/99	12/16/99	<0.085	<0.0001	
End of Week								<0.0001
121399A253PMS	420	3.0	1260	12/13/99	12/16/99	<0.042	<0.0001	<0.0001
END OF PROJECT								

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
Air Monitoring - Perimeter Documentation Samples
DOWN WIND STATION #4

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3
Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Station #2 Down Wind Results Total Dust (mg/m^3)	Station #2 Down Wind Results Total Cadmium (mg/m^3)	Station #2 Average Weekly Total Cadmium (mg/m^3)
081699A253PMS	535	4.0	2140	8/16/99	8/19/99	0.022	<0.0001	
081799A253PMS	405	4.0	1620	8/17/99	8/19/99	0.08	<0.0001	
081899A253PMS	490	4.0	1960	8/18/99	8/19/99	0.029	<0.0001	
081999A253PMS	500	4.0	2000	8/19/99	8/26/99	<0.026	<0.0001	
End of Week								<0.0001
082399A253PMS	400	4.0	1600	8/23/99	8/26/99	<0.033	<0.0001	
082499A253PMS	310	4.0	1240	8/24/99	8/26/99	<0.043	<0.0001	
082599A254PMS	435	4.0	1740	8/25/99	8/26/99	<0.030	<0.0001	
082799A254PMS	355	4.0	1420	8/27/99	9/3/99	<0.037	<0.0001	
082899A254PMS	350	4.0	1400	8/28/99	9/3/99	<0.038	<0.0001	
End of Week								<0.0001
083099A254PMS	470	4.0	1880	8/30/99	9/3/99	<0.028	<0.0001	
083199A254PMS	470	4.0	1880	8/31/99	9/3/99	<0.028	<0.0001	
End of Week								
091399A254PMS	395	3.0	1185	9/13/99	9/22/99	<0.045	<0.0001	
091499A254PMS	475	3.0	1425	9/14/99	9/22/99	<0.037	<0.0001	
End of Week								<0.0001
092099A254PMS	470	3.0	1410	9/20/99	9/22/99	<0.038	<0.0001	
092399A254PMS	295	3.0	885	9/23/99	10/1/99	<0.060	<0.0001	
092499A254PMS	385	3.0	1155	9/24/99	10/1/99	0.061	<0.0001	
End of Week								<0.0001
092799A254PMS	490	3.0	1470	9/27/99	10/1/99	0.111	<0.0001	
092899A254PMS	445	3.0	1335	9/28/99	10/1/99	<0.040	<0.0001	
092999A254PMS	518	3.0	1554	9/29/99	10/1/99	<0.034	<0.0001	
100199A254PMS	385	3.0	1155	10/1/99	10/14/99	0.060	<0.0001	
End of Week								<0.0001

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
Air Monitoring - Perimeter Documentation Samples
DOWN WIND STATION #4

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3
Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Station #2 Down Wind Results Total Dust (mg/m^3)	Station #2 Down Wind Results Total Cadmium (mg/m^3)	Station #2 Average Weekly Total Cadmium (mg/m^3)
100699A254PMS	270	3.0	810	10/6/99	10/14/99	<0.065	<0.0001	
100799A254PMS	420	3.0	1260	10/7/99	10/14/99	<0.042	<0.0001	
End of Week								<0.0001
101399A254PMS	495	3.0	1485	10/13/99	10/14/99	<0.036	<0.0001	
101499A254PMS	415	3.0	1245	10/14/99	10/20/99	0.043	<0.0001	
101599A254PMS	435	3.0	1305	10/15/99	10/20/99	<0.041	<0.0001	
End of Week								<0.0001
101899A254PMS	240	3.0	720	10/18/99	10/20/99	0.081	<0.0001	
101999A254PMS	200	3.0	600	10/19/99	10/20/99	<0.088	<0.0002	
102199A254PMS	480	3.0	1440	10/21/99	11/2/99	<0.037	<0.0001	
End of Week								<0.0001
102599A254PMS	480	3.0	1440	10/25/99	11/2/99	0.046	<0.0001	
102699A254PMS	610	3.0	1830	10/26/99	11/2/99	0.034	<0.0001	
102799A254PMS	370	3.0	1110	10/27/99	11/2/99	<0.048	<0.0001	
102899A254PMS	430	3.0	1290	10/28/99	11/2/99	<0.041	<0.0001	
102999A254PMS	265	3.0	795	10/29/99	11/2/99	<0.067	<0.0001	
End of Week								<0.0001
110599A254PMS	365	3.0	1095	11/5/99	11/11/99	0.062	<0.0001	
End of Week								<0.0001
110899A254PMS	495	3.0	1485	11/8/99	11/11/99	<0.036	<0.0001	
110999A254PMS	500	3.0	1500	11/9/99	11/11/99	0.070	<0.0001	
111099A254PMS	300	3.0	900	11/10/99	11/11/99	0.059	<0.0001	
111199A254PMS	545	3.0	1635	11/11/99	11/18/99	0.034	<0.0001	
111299A254PMS	560	3.0	1680	11/12/99	11/18/99	0.063	<0.0001	
End of Week								<0.0001
111599A254PMS	530	3.0	1590	11/15/99	11/18/99	0.052	<0.0001	
111699A254PMS	550	3.0	1650	11/16/99	11/18/99	0.076	<0.0001	

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
Air Monitoring - Perimeter Documentation Samples
DOWN WIND STATION #4

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3
Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Station #2 Down Wind Results Total Dust (mg/m^3)	Station #2 Down Wind Results Total Cadmium (mg/m^3)	Station #2 Average Weekly Total Cadmium (mg/m^3)
111799A254PMS	575	3.0	1725	11/17/99	11/18/99	<0.026	<0.0001	
111899A254PMS	380	3.0	1140	11/18/99	12/1/99	<0.046	<0.0001	
111999A254PMS	485	3.0	1455	11/19/99	12/1/99	<0.036	<0.0001	
112099A254PMS	440	3.0	1320	11/20/99	12/1/99	<0.040	<0.0001	
112199A254PMS	365	3.0	1095	11/21/99	12/1/99	<0.048	<0.0001	
End of Week								<0.0001
112499A254PMS	368	3.0	1104	11/24/99	12/1/99	<0.048	<0.0001	
112999A254PMS	300	3.0	900	11/29/99	12/1/99	<0.059	<0.0001	
End of Week								<0.0001
113099A254PMS	475	3.0	1425	11/30/99	12/1/99	0.047	<0.0001	
120199A254PMS	505	3.0	1515	12/1/99	12/16/99	0.054	<0.0001	
120299A254PMS	420	3.0	1260	12/2/99	12/16/99	<0.042	<0.0001	
120399A254PMS	450	3.0	1350	12/3/99	12/16/99	0.079	<0.0001	
End of Week								<0.0001
120999A254PMS	205	3.0	615	12/9/99	12/16/99	<0.086	<0.0002	
End of Week								<0.0002
121399A254PMS	435	3.0	1305	12/13/99	12/16/99	<0.041	<0.0001	<0.0001
END OF PROJECT								

AIR MONITORING - PERIMETER DOCUMENTATION SAMPLES

2/2/00

UP WIND STATION #1

DZUS FASTENERS

WEST ISLIP, NY

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3

Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Up Wind Results Total Dust (mg/m^3)	Up Wind Results Total Cadmium (mg/m^3)	Up Wind Average Weekly Total Cadmium (mg/m^3)
072199A203BG	480	4.0	1860	7/21/99	7/28/99	<0.023	<0.0001	
072299A252BG	306	4.0	1224	7/22/99	7/28/99	<0.037	<0.0001	
072399A203BG	350	4.0	1400	7/23/99	7/28/99	0.044	<0.0001	
End of Week								<0.0001
072699A203PMS	510	4.0	2040	7/26/99	7/28/99	0.037	<0.0001	
072799A203PMS	490	4.0	1960	7/27/99	7/28/99	0.031	<0.0001	
072899A203PMS	505	4.0	2020	7/28/99	7/28/99	0.031	<0.0001	
072999A203PMS	465	4.0	1860	7/29/99	8/6/99	0.056	<0.0001	
073099A252PMS	520	4.0	2080	7/30/99	8/6/99	0.032	<0.0001	
End of Week								<0.0001
080299A252PMS	520	4.0	2080	8/2/99	8/6/99	<0.022	<0.0001	
080399A252PMS	540	4.0	2080	8/3/99	8/6/99	<0.021	<0.0001	
080499A252PMS	650	4.0	2600	8/4/99	8/6/99	0.028	<0.0001	
080599A252PMS	465	4.0	1860	8/5/99	8/6/99	0.024	<0.0001	
080699A252PMS	450	4.0	1800	8/6/99	8/13/99	0.029	<0.0001	
End of Week								<0.0001
080999A252PMS	145	4.0	580	8/9/99	8/13/99	<0.078	<0.0002	
081099A252PMS	395	4.0	1580	8/10/99	8/13/99	<0.028	<0.0001	
081199A251PMS	290	4.0	1160	8/11/99	8/13/99	0.059	<0.0001	
081299A251PMS	500	4.0	2000	8/12/99	8/13/99	0.056	<0.0001	
081399A251PMS	345	4.0	1380	8/13/99	8/19/99	0.041	<0.0001	
End of Week								<0.0001
081699A250PMS	545	4.0	2180	8/16/99	8/19/99	0.039	<0.0001	
081799A250PMS	410	4.0	1640	8/17/99	8/19/99	0.044	<0.0001	
081899A250PMS	490	4.0	1960	8/18/99	8/19/99	0.033	<0.0001	
081999A250PMS	500	4.0	2000	8/19/99	8/26/99	<0.026	<0.0001	
End of Week								<0.0001

AIR MONITORING - PERIMETER DOCUMENTATION SAMPLES

UP WIND STATION #1

DZUS FASTENERS

WEST ISLIP, NY

2/2/00

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3

Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Up Wind Results Total Dust (mg/m^3)	Up Wind Results Total Cadmium (mg/m^3)	Up Wind Average Weekly Total Cadmium (mg/m^3)
082399A250PMS	410	4.0	1640	8/23/99	8/26/99	<0.032	<0.0001	
082499A250PMS	305	4.0	1220	8/24/99	8/26/99	<0.043	<0.0001	
082599A251PMS	440	4.0	1760	8/25/99	8/26/99	<0.030	<0.0001	
082799A251PMS	365	4.0	1460	8/27/99	9/3/99	<0.036	<0.0001	
082899A251PMS	340	4.0	1360	8/28/99	9/3/99	<0.039	<0.0001	
End of Week								<0.0001
083099A253PMS	470	4.0	1880	8/30/99	9/3/99	<0.028	<0.0001	
083199A251PMS	470	4.0	1880	8/31/99	9/3/99	<0.028	<0.0001	
090199A252PMS	555	4.0	2220	9/1/99	9/3/99	<0.024	<0.0001	
090299A252PMS	500	4.0	2000	9/2/99	9/3/99	<0.026	<0.0001	
End of Week								<0.0001
091399A251PMS	395	3.0	1185	9/13/99	9/22/99	<0.045	<0.0001	
091499A251PMS	465	3.0	1395	9/14/99	9/22/99	<0.038	<0.0001	
End of Week								<0.0001
092099A251PMS	480	3.0	1440	9/20/99	9/22/99	<0.037	<0.0001	
092399A251PMS	310	3.0	930	9/23/99	10/1/99	0.074	<0.0001	
092499A251PMS	395	3.0	1185	9/24/99	10/1/99	<0.045	<0.0001	
End of Week								<0.0001
092799A251PMS	485	3.0	1455	9/27/99	10/1/99	**0.157**	<0.0001	
092899A251PMS	455	3.0	1365	9/28/99	10/1/99	<0.039	<0.0001	
092999A251PMS	520	3.0	1560	9/29/99	10/1/99	<0.034	<0.0001	
100199A251PMS	385	3.0	1155	10/1/99	10/14/99	<0.046	<0.0001	
End of Week								<0.0001
100699A251PMS	290	3.0	870	10/6/99	10/14/99	<0.061	<0.0001	
100799A251PMS	420	3.0	1260	10/7/99	10/14/99	<0.042	<0.0001	
End of Week								<0.0001

AIR MONITORING - PERIMETER DOCUMENTATION SAMPLES

2/2/00

UP WIND STATION #1

DZUS FASTENERS

WEST ISLIP, NY

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3

Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Up Wind Results Total Dust (mg/m^3)	Up Wind Results Total Cadmium (mg/m^3)	Up Wind Average Weekly Total Cadmium (mg/m^3)
101399A251PMS	490	3.0	1470	10/13/99	10/14/99	<0.036	<0.0001	
101499A251PMS	415	3.0	1245	10/14/99	10/20/99	<0.043	<0.0001	
101599A251PMS	430	3.0	1290	10/15/99	10/20/99	<0.041	<0.0001	
End of Week								<0.0001
101899A251PMS	240	3.0	720	10/18/99	10/20/99	0.117	<0.0001	
101999A251PMS	200	3.0	600	10/19/99	10/20/99	<0.088	<0.0002	
102199A251PMS	480	3.0	1440	10/21/99	11/2/99	<0.037	<0.0001	
End of Week								<0.0001
102599A251PMS	480	3.0	1440	10/25/99	11/2/99	<0.037	<0.0001	
102699A251PMS	620	3.0	1860	10/26/99	11/2/99	0.037	<0.0001	
102799A251PMS	375	3.0	1125	10/27/99	11/2/99	<0.047	<0.0001	
102899A251PMS	430	3.0	1290	10/28/99	11/2/99	<0.041	<0.0001	
102999A251PMS	270	3.0	810	10/29/99	11/2/99	<0.065	<0.0001	
End of Week								<0.0001
110599A251PMS	355	3.0	1065	11/5/99	11/11/99	<0.050	<0.0001	
End of Week								<0.0001
110899A251PMS	475	3.0	1425	11/8/99	11/11/99	<0.037	<0.0001	
110999A251PMS	490	3.0	1470	11/9/99	11/11/99	<0.036	<0.0001	
111099A251PMS	305	3.0	915	11/10/99	11/11/99	<0.058	<0.0001	
111199A251PMS	540	3.0	1620	11/11/99	11/18/99	<0.028	<0.0001	
111299A251PMS	565	3.0	1695	11/12/99	11/18/99	<0.027	<0.0001	
End of Week								<0.0001
111599A251PMS	510	3.0	1515	11/15/99	11/18/99	0.065	<0.0001	
111699A251PMS	540	3.0	1620	11/16/99	11/18/99	0.074	<0.0001	
111799A251PMS	555	3.0	1665	11/17/99	11/18/99	<0.027	<0.0001	
111899A251PMS	350	3.0	1050	11/18/99	12/1/99	<0.050	<0.0001	
111999A251PMS	490	3.0	1470	11/19/99	12/1/99	<0.036	<0.0001	
112099A251PMS	360	3.0	1080	11/20/99	12/1/99	<0.049	<0.0001	
112199A251PMS	360	3.0	1080	11/21/99	12/1/99	<0.049	<0.0001	
End of Week								<0.0001

AIR MONITORING - PERIMETER DOCUMENTATION SAMPLES

UP WIND STATION #1

DZUS FASTENERS

WEST ISLIP, NY

2/2/00

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3

Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Up Wind Results Total Dust (mg/m^3)	Up Wind Results Total Cadmium (mg/m^3)	Up Wind Average Weekly Total Cadmium (mg/m^3)
112499A251PMS	362	3.0	1086	11/24/99	12/1/99	<0.049	<0.0001	
112999A251PMS	310	3.0	930	11/29/99	12/1/99	<0.057	<0.0001	
End of Week								<0.0001
113099A251PMS	475	3.0	1425	11/30/99	12/1/99	<0.037	<0.0001	
120199A251PMS	515	3.0	1545	12/1/99	12/16/99	<0.034	<0.0001	
120299A251PMS	440	3.0	1320	12/2/99	12/16/99	0.074	<0.0001	
120399A251PMS	445	3.0	1335	12/3/99	12/16/99	0.043	<0.0001	
End of Week								<0.0001
120999A251PMS	205	3.0	615	12/9/99	12/16/99	<0.086	<0.0002	
End of Week								<0.0002
121399A251PMS	445	3.0	1335	12/13/99	12/16/99	<0.040	<0.0001	<0.0001
END OF PROJECT								

AIR MONITORING - PERIMETER DOCUMENTATION SAMPLES

2/2/00

DOWN WIND STATION #2

DZUS FASTENERS

WEST ISLIP, NY

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3

Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Station #1 Down Wind Results Total Dust (mg/m^3)	Station #1 Down Wind Results Total Cadmium (mg/m^3)	Station #1 Average Weekly Total Cadmium (mg/m^3)
072199A252BG	465	4.0	1860	7/21/99	7/28/99	0.026	<0.0001	
072299A253BG	310	4.0	1240	7/22/99	7/28/99	<0.036	<0.0001	
072399A252BG	280	4.0	1120	7/23/99	7/28/99	<0.040	<0.0001	
End of Week								<0.0001
072699A252PMS	500	4.0	2000	7/26/99	7/28/99	0.035	<0.0001	
072799A252PMS	505	4.0	2020	7/27/99	7/28/99	0.037	<0.0001	
072899A252PMS	500	4.0	2000	7/28/99	7/28/99	0.048	<0.0001	
072999A252PMS	520	4.0	2080	7/29/99	8/6/99	0.052	<0.0001	
073099A253PMS	510	4.0	2040	7/30/99	8/6/99	<0.022	<0.0001	
End of Week								<0.0001
080299A253PMS	510	4.0	2040	8/2/99	8/6/99	<0.022	<0.0001	
080399A253PMS	540	4.0	2160	8/3/99	8/6/99	0.025	<0.0001	
080499A253PMS	635	4.0	2540	8/4/99	8/6/99	0.02	<0.0001	
080599A253PMS	465	4.0	1860	8/5/99	8/6/99	0.045	<0.0001	
080699A253PMS	465	4.0	1860	8/6/99	8/13/99	0.026	<0.0001	
End of Week								<0.0001
080999A253PMS	150	4.0	600	8/9/99	8/13/99	<0.075	<0.0002	
081099A253PMS	395	4.0	1580	8/10/99	8/13/99	<0.028	<0.0001	
081199A252PMS	285	4.0	1140	8/11/99	8/13/99	0.068	<0.0001	
081299A252PMS	510	4.0	2040	8/12/99	8/13/99	0.064	<0.0001	
081399A252PMS	345	4.0	1380	8/13/99	8/19/99	0.07	<0.0001	
End of Week								<0.0001
081699A251PMS	540	4.0	2160	8/16/99	8/19/99	<0.021	<0.0001	
081799A251PMS	410	4.0	1640	8/17/99	8/19/99	0.049	<0.0001	
081899A251PMS	480	4.0	1920	8/18/99	8/19/99	0.038	<0.0001	
081999A251PMS	485	4.0	1940	8/19/99	8/26/99	<0.027	<0.0001	
End of Week								<0.0001

AIR MONITORING - PERIMETER DOCUMENTATION SAMPLES

DOWN WIND STATION #2

DZUS FASTENERS

WEST ISLIP, NY

2/2/00

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3

Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Station #1 Down Wind Results Total Dust (mg/m^3)	Station #1 Down Wind Results Total Cadmium (mg/m^3)	Station #1 Average Weekly Total Cadmium (mg/m^3)
082399A251PMS	410	4.0	1640	8/23/99	8/26/99	<0.032	<0.0001	
082499A251PMS	300	4.0	1200	8/24/99	8/26/99	<0.044	<0.0001	
082599A252PMS	445	4.0	1780	8/25/99	8/26/99	<0.030	<0.0001	
082799A252PMS	360	4.0	1440	8/27/99	9/3/99	<0.037	<0.0001	
082899A252PMS	345	4.0	1380	8/28/99	9/3/99	<0.038	<0.0001	
End of Week								<0.0001
083099A252PMS	470	4.0	1880	8/30/99	9/3/99	<0.028	<0.0001	
083199A252PMS	470	4.0	1880	8/31/99	9/3/99	<0.028	<0.0001	
090199A253PMS	560	4.0	2240	9/1/99	9/3/99	0.047	<0.0001	
090299A253PMS	516	4.0	2064	9/2/99	9/3/99	0.103	<0.0001	
End of Week								<0.0001
091399A252PMS	395	3.0	1185	9/13/99	9/22/99	<0.045	<0.0001	
091499A252PMS	470	3.0	1410	9/14/99	9/22/99	<0.038	<0.0001	
End of Week								<0.0001
092099A252PMS	465	3.0	1395	9/20/99	9/22/99	<0.038	<0.0001	
092399A252PMS	305	3.0	915	9/23/99	10/1/99	<0.058	<0.0001	
092499A252PMS	395	3.0	1185	9/24/99	10/1/99	<0.045	<0.0001	
End of Week								<0.0001
092799A252PMS	485	3.0	1455	9/27/99	10/1/99	<0.036	<0.0001	
092899A252PMS	450	3.0	1350	9/28/99	10/1/99	<0.039	<0.0001	
092999A252PMS	515	3.0	1545	9/29/99	10/1/99	<0.034	<0.0001	
100199A252PMS	440	3.0	1320	10/1/99	10/14/99	<0.040	<0.0001	
End of Week								<0.0001
100699A252PMS	285	3.0	855	10/6/99	10/14/99	<0.062	<0.0001	
100799A252PMS	420	3.0	1260	10/7/99	10/14/99	<0.042	<0.0001	
End of Week								<0.0001

AIR MONITORING - PERIMETER DOCUMENTATION SAMPLES

2/2/00

DOWN WIND STATION #2

DZUS FASTENERS

WEST ISLIP, NY

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3

Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Station #1 Down Wind Results Total Dust (mg/m^3)	Station #1 Down Wind Results Total Cadmium (mg/m^3)	Station #1 Average Weekly Total Cadmium (mg/m^3)
101399A252PMS	485	3.0	1455	10/13/99	10/14/99	<0.036	<0.0001	
101499A252PMS	415	3.0	1245	10/14/99	10/20/99	<0.043	<0.0001	
101599A252PMS	430	3.0	1290	10/15/99	10/20/99	<0.041	<0.0001	
End of Week								<0.0001
101899A252PMS	240	3.0	720	10/18/99	10/20/99	0.215	<0.0001	
101999A252PMS	195	3.0	585	10/19/99	10/20/99	<0.091	<0.0002	
102199A252PMS	470	3.0	1410	10/21/99	11/2/99	<0.038	<0.0001	
End of Week								<0.0001
102599A252PMS	475	3.0	1425	10/25/99	11/2/99	<0.037	<0.0001	
102699A252PMS	600	3.0	1800	10/26/99	11/2/99	<0.029	<0.0001	
102799A252PMS	380	3.0	1140	10/27/99	11/2/99	<0.046	<0.0001	
102899A252PMS	440	3.0	1320	10/28/99	11/2/99	<0.040	<0.0001	
102999A252PMS	270	3.0	810	10/29/99	11/2/99	<0.065	<0.0001	
End of Week								<0.0001
110599A252PMS	345	3.0	1035	11/5/99	11/11/99	<0.051	<0.0001	
End of Week								<0.0001
110899A252PMS	470	3.0	1410	11/8/99	11/11/99	<0.038	<0.0001	
110999A252PMS	490	3.0	1470	11/9/99	11/11/99	<0.036	<0.0001	
111099A252PMS	305	3.0	915	11/10/99	11/11/99	<0.058	<0.0001	
111199A252PMS	540	3.0	1620	11/11/99	11/18/99	<0.028	<0.0001	
111299A252PMS	565	3.0	1695	11/12/99	11/18/99	0.031	<0.0001	
End of Week								<0.0001
111599A252PMS	510	3.0	1530	11/15/99	11/18/99	0.044	<0.0001	
111699A252PMS	545	3.0	1635	11/16/99	11/18/99	<0.028	<0.0001	
111799A252PMS	555	3.0	1665	11/17/99	11/18/99	<0.027	<0.0001	
111899A252PMS	375	3.0	1125	11/18/99	12/1/99	<0.047	<0.0001	
111999A252PMS	465	3.0	1395	11/19/99	12/1/99	<0.038	<0.0001	
112099A252PMS	430	3.0	1290	11/20/99	12/1/99	<0.041	<0.0001	
112199A252PMS	355	3.0	1065	11/21/99	12/1/99	<0.050	<0.0001	
End of Week								<0.0001

AIR MONITORING - PERIMETER DOCUMENTATION SAMPLES
DOWN WIND STATION #2
DZUS FASTENERS
WEST ISLIP, NY

2/2/00

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3
Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Station #1 Down Wind Results Total Dust (mg/m^3)	Station #1 Down Wind Results Total Cadmium (mg/m^3)	Station #1 Average Weekly Total Cadmium (mg/m^3)
112499A252PMS	360	3.0	1080	11/24/99	12/1/99	<0.049	<0.0001	
112999A252PMS	310	3.0	930	11/29/99	12/1/99	<0.057	<0.0001	
End of Week								<0.0001
113099A252PMS	465	3.0	1395	11/30/99	12/1/99	0.145	<0.0001	
120199A252PMS	505	3.0	1515	12/1/99	12/16/99	<0.035	<0.0001	
120299A252PMS	420	3.0	1260	12/2/99	12/16/99	<0.042	<0.0001	
120399A252PMS	445	3.0	1335	12/3/99	12/16/99	0.114	<0.0001	
End of Week								<0.0001
120999A252PMS	210	3.0	630	12/9/99	12/16/99	<0.084	<0.0001	
End of Week								<0.0001
121399A252PMS	420	3.0	1260	12/13/99	12/16/99	<0.042	<0.0001	<0.0001
END OF PROJECT								

AIR MONITORING - PERIMETER DOCUMENTATION SAMPLES

2/2/00

DOWN WIND STATION #3

DZUS FASTENERS

WEST ISLIP, NY

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3

Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Station #2 Down Wind Results Total Dust (mg/m^3)	Station #2 Down Wind Results Total Cadmium (mg/m^3)	Station #2 Average Weekly Total Cadmium (mg/m^3)
081099A254PMS	390	4.0	1560	8/10/99	8/13/99	<0.029	<0.0001	
081199A253PMS	290	4.0	1160	8/11/99	8/13/99	0.061	<0.0001	
081299A253PMS	515	4.0	2060	8/12/99	8/13/99	0.059	<0.0001	
081399A253PMS	345	4.0	1380	8/13/99	8/19/99	0.059	<0.0001	
End of Week								<0.0001
081699A252PMS	530	4.0	2120	8/16/99	8/19/99	<0.021	<0.0001	
081799A252PMS	405	4.0	1620	8/17/99	8/19/99	0.047	<0.0001	
081899A252PMS	470	4.0	1880	8/18/99	8/19/99	0.035	<0.0001	
081999A252PMS	500	4.0	2000	8/19/99	8/26/99	<0.026	<0.0001	
End of Week								<0.0001
082399A252PMS	410	4.0	1640	8/23/99	8/26/99	<0.032	<0.0001	
082499A252PMS	305	4.0	1220	8/24/99	8/26/99	<0.043	<0.0001	
082599A253PMS	445	4.0	1780	8/25/99	8/26/99	<0.030	<0.0001	
082799A253PMS	365	4.0	1460	8/27/99	9/3/99	<0.036	<0.0001	
082899A253PMS	350	4.0	1400	8/28/99	9/3/99	<0.038	<0.0001	
End of Week								<0.0001
083099A251PMS	465	4.0	1860	8/30/99	9/3/99	<0.028	<0.0001	
083199A253PMS	465	4.0	1860	8/31/99	9/3/99	0.057	<0.0001	
090199A254PMS	565	4.0	2260	9/1/99	9/3/99	0.135	<0.0001	
090299A254PMS	509	4.0	2036	9/2/99	9/3/99	0.035	<0.0001	
End of Week								<0.0001
091399A253PMS	395	3.0	1185	9/13/99	9/22/99	<0.045	<0.0001	
091499A253PMS	470	3.0	1410	9/14/99	9/22/99	<0.038	<0.0001	
End of Week								<0.0001

AIR MONITORING - PERIMETER DOCUMENTATION SAMPLES

DOWN WIND STATION #3

DZUS FASTENERS

WEST ISLIP, NY

2/2/00

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3

Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Station #2 Down Wind Results Total Dust (mg/m^3)	Station #2 Down Wind Results Total Cadmium (mg/m^3)	Station #2 Average Weekly Total Cadmium (mg/m^3)
092099A253PMS	470	3.0	1410	9/20/99	9/22/99	<0.038	<0.0001	
092399A253PMS	295	3.0	885	9/23/99	10/1/99	<0.060	<0.0001	
092499A253PMS	385	3.0	1155	9/24/99	10/1/99	0.049	<0.0001	
End of Week								<0.0001
092799A253PMS	495	3.0	1485	9/27/99	10/1/99	<0.036	<0.0001	
092899A253PMS	450	3.0	1350	9/28/99	10/1/99	**0.498**	<0.0001	
092999A253PMS	515	3.0	1545	9/29/99	10/1/99	<0.034	<0.0001	
100199A253PMS	390	3.0	1170	10/1/99	10/14/99	<0.045	<0.0001	
End of Week								<0.0001
100699A253PMS	280	3.0	840	10/6/99	10/14/99	<0.063	<0.0001	
100799A253PMS	415	3.0	1245	10/7/99	10/14/99	<0.043	<0.0001	
End of Week								
101399A253PMS	495	3.0	1485	10/13/99	10/14/99	<0.036	<0.0001	
101499A253PMS	415	3.0	1245	10/14/99	10/20/99	<0.043	<0.0001	
101599A253PMS	430	3.0	1290	10/15/99	10/20/99	<0.041	<0.0001	
End of Week								<0.0001
101899A253PMS	240	3.0	720	10/18/99	10/20/99	<0.074	<0.0001	
101999A253PMS	205	3.0	615	10/19/99	10/20/99	<0.086	<0.0002	
102199A253PMS	485	3.0	1455	10/21/99	11/2/99	<0.036	<0.0001	
End of Week								<0.0001
102599A253PMS	480	3.0	1440	10/25/99	11/2/99	<0.037	<0.0001	
102699A253PMS	605	3.0	1815	10/26/99	11/2/99	**0.164**	<0.0001	
102799A253PMS	375	3.0	1125	10/27/99	11/2/99	<0.047	<0.0001	
102899A253PMS	430	3.0	1290	10/28/99	11/2/99	<0.041	<0.0001	
102999A253PMS	270	3.0	810	10/29/99	11/2/99	<0.065	<0.0001	
End of Week								<0.0001

AIR MONITORING - PERIMETER DOCUMENTATION SAMPLES

2/2/00

DOWN WIND STATION #3

DZUS FASTENERS

WEST ISLIP, NY

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3

Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Station #2 Down Wind Results Total Dust (mg/m^3)	Station #2 Down Wind Results Total Cadmium (mg/m^3)	Station #2 Average Weekly Total Cadmium (mg/m^3)
110599A253PMS	360	3.0	1080	11/5/99	11/11/99	<0.049	<0.0001	
End of Week								<0.0001
110899A253PMS	485	3.0	1455	11/8/99	11/11/99	<0.036	<0.0001	
110999A253PMS	500	3.0	1500	11/9/99	11/11/99	0.037	<0.0001	
111099A253PMS	305	3.0	915	11/10/99	11/11/99	<0.058	<0.0001	
111199A253PMS	540	3.0	1620	11/11/99	11/18/99	<0.028	<0.0001	
111299A253PMS	555	3.0	1665	11/12/99	11/18/99	0.034	<0.0001	
End of Week								<0.0001
111599A253PMS	530	3.0	1590	11/15/99	11/18/99	<0.028	<0.0001	
111699A253PMS	550	3.0	1650	11/16/99	11/18/99	0.130	<0.0001	
111799A253PMS	565	3.0	1695	11/17/99	11/18/99	<0.027	<0.0001	
111899A253PMS	375	3.0	1125	11/18/99	12/1/99	<0.047	<0.0001	
111999A253PMS	490	3.0	1470	11/19/99	12/1/99	<0.036	<0.0001	
112099A253PMS	435	3.0	1305	11/20/99	12/1/99	<0.041	<0.0001	
112199A253PMS	350	3.0	1050	11/21/99	12/1/99	<0.050	<0.0001	
End of Week								<0.0001
112499A253PMS	360	3.0	1080	11/24/99	12/1/99	<0.049	<0.0001	
112999A253PMS	310	3.0	930	11/29/99	12/1/99	<0.057	<0.0001	
End of Week								<0.0001
113099A253PMS	475	3.0	1425	11/30/99	12/1/99	<0.037	<0.0001	
120199A253PMS	505	3.0	1515	12/1/99	12/16/99	<0.035	<0.0001	
120299A253PMS	420	3.0	1260	12/2/99	12/16/99	<0.042	<0.0001	
120399A253PMS	445	3.0	1335	12/3/99	12/16/99	0.046	<0.0001	
End of Week								<0.0001
120999A253PMS	207	3.0	621	12/9/99	12/16/99	<0.085	<0.0001	
End of Week								<0.0001
121399A253PMS	420	3.0	1260	12/13/99	12/16/99	<0.042	<0.0001	<0.0001
END OF PROJECT								

AIR MONITORING - PERIMETER DOCUMENTATION SAMPLES

DOWN WIND STATION #4

DZUS FASTENERS

WEST ISLIP, NY

2/2/00

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3

Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Station #2 Down Wind Results Total Dust (mg/m^3)	Station #2 Down Wind Results Total Cadmium (mg/m^3)	Station #2 Average Weekly Total Cadmium (mg/m^3)
081699A253PMS	535	4.0	2140	8/16/99	8/19/99	0.022	<0.0001	
081799A253PMS	405	4.0	1620	8/17/99	8/19/99	0.08	<0.0001	
081899A253PMS	490	4.0	1960	8/18/99	8/19/99	0.029	<0.0001	
081999A253PMS	500	4.0	2000	8/19/99	8/26/99	<0.026	<0.0001	
End of Week								<0.0001
082399A253PMS	400	4.0	1600	8/23/99	8/26/99	<0.033	<0.0001	
082499A253PMS	310	4.0	1240	8/24/99	8/26/99	<0.043	<0.0001	
082599A254PMS	435	4.0	1740	8/25/99	8/26/99	<0.030	<0.0001	
082799A254PMS	355	4.0	1420	8/27/99	9/3/99	<0.037	<0.0001	
082899A254PMS	350	4.0	1400	8/28/99	9/3/99	<0.038	<0.0001	
End of Week								<0.0001
083099A254PMS	470	4.0	1880	8/30/99	9/3/99	<0.028	<0.0001	
083199A254PMS	470	4.0	1880	8/31/99	9/3/99	<0.028	<0.0001	
End of Week								
091399A254PMS	395	3.0	1185	9/13/99	9/22/99	<0.045	<0.0001	
091499A254PMS	475	3.0	1425	9/14/99	9/22/99	<0.037	<0.0001	
End of Week								<0.0001
092099A254PMS	470	3.0	1410	9/20/99	9/22/99	<0.038	<0.0001	
092399A254PMS	295	3.0	885	9/23/99	10/1/99	<0.060	<0.0001	
092499A254PMS	385	3.0	1155	9/24/99	10/1/99	0.061	<0.0001	
End of Week								<0.0001
092799A254PMS	490	3.0	1470	9/27/99	10/1/99	0.111	<0.0001	
092899A254PMS	445	3.0	1335	9/28/99	10/1/99	<0.040	<0.0001	
092999A254PMS	518	3.0	1554	9/29/99	10/1/99	<0.034	<0.0001	

AIR MONITORING - PERIMETER DOCUMENTATION SAMPLES

2/2/00

DOWN WIND STATION #4

DZUS FASTENERS

WEST ISLIP, NY

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3

Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Station #2 Down Wind Results Total Dust (mg/m^3)	Station #2 Down Wind Results Total Cadmium (mg/m^3)	Station #2 Average Weekly Total Cadmium (mg/m^3)
100199A254PMS	385	3.0	1155	10/1/99	10/14/99	0.060	<0.0001	
End of Week								<0.0001
100699A254PMS	270	3.0	810	10/6/99	10/14/99	<0.065	<0.0001	
100799A254PMS	420	3.0	1260	10/7/99	10/14/99	<0.042	<0.0001	
End of Week								<0.0001
101399A254PMS	495	3.0	1485	10/13/99	10/14/99	<0.036	<0.0001	
101499A254PMS	415	3.0	1245	10/14/99	10/20/99	0.043	<0.0001	
101599A254PMS	435	3.0	1305	10/15/99	10/20/99	<0.041	<0.0001	
End of Week								<0.0001
101899A254PMS	240	3.0	720	10/18/99	10/20/99	0.081	<0.0001	
101999A254PMS	200	3.0	600	10/19/99	10/20/99	<0.088	<0.0002	
102199A254PMS	480	3.0	1440	10/21/99	11/2/99	<0.037	<0.0001	
End of Week								<0.0001
102599A254PMS	480	3.0	1440	10/25/99	11/2/99	0.046	<0.0001	
102699A254PMS	610	3.0	1830	10/26/99	11/2/99	0.034	<0.0001	
102799A254PMS	370	3.0	1110	10/27/99	11/2/99	<0.048	<0.0001	
102899A254PMS	430	3.0	1290	10/28/99	11/2/99	<0.041	<0.0001	
102999A254PMS	265	3.0	795	10/29/99	11/2/99	<0.067	<0.0001	
End of Week								<0.0001
110599A254PMS	365	3.0	1095	11/5/99	11/11/99	0.062	<0.0001	
End of Week								<0.0001
110899A254PMS	495	3.0	1485	11/8/99	11/11/99	<0.036	<0.0001	
110999A254PMS	500	3.0	1500	11/9/99	11/11/99	0.070	<0.0001	
111099A254PMS	300	3.0	900	11/10/99	11/11/99	0.059	<0.0001	
111199A254PMS	545	3.0	1635	11/11/99	11/18/99	0.034	<0.0001	

AIR MONITORING - PERIMETER DOCUMENTATION SAMPLES
DOWN WIND STATION #4
DZUS FASTENERS
WEST ISLIP, NY

2/2/00

Indicates individual result exceeds Perimeter Action Level(s): Total Dust: 0.15 mg/m^3
Total Cadmium: 0.005 mg/m^3

ERM Sample ID	Pumping Duration (mins)	Flow Rate (L/min)	Sample Volume (liters)	Date Sampled	Date Sent to Lab	Station #2 Down Wind Results Total Dust (mg/m^3)	Station #2 Down Wind Results Total Cadmium (mg/m^3)	Station #2 Average Weekly Total Cadmium (mg/m^3)
111299A254PMS	560	3.0	1680	11/12/99	11/18/99	0.063	<0.0001	
End of Week								<0.0001
111599A254PMS	530	3.0	1590	11/15/99	11/18/99	0.052	<0.0001	
111699A254PMS	550	3.0	1650	11/16/99	11/18/99	0.076	<0.0001	
111799A254PMS	575	3.0	1725	11/17/99	11/18/99	<0.026	<0.0001	
111899A254PMS	380	3.0	1140	11/18/99	12/1/99	<0.046	<0.0001	
111999A254PMS	485	3.0	1455	11/19/99	12/1/99	<0.036	<0.0001	
112099A254PMS	440	3.0	1320	11/20/99	12/1/99	<0.040	<0.0001	
112199A254PMS	365	3.0	1095	11/21/99	12/1/99	<0.048	<0.0001	
End of Week								<0.0001
112499A254PMS	368	3.0	1104	11/24/99	12/1/99	<0.048	<0.0001	
112999A254PMS	300	3.0	900	11/29/99	12/1/99	<0.059	<0.0001	
End of Week								<0.0001
113099A254PMS	475	3.0	1425	11/30/99	12/1/99	0.047	<0.0001	
120199A254PMS	505	3.0	1515	12/1/99	12/16/99	0.054	<0.0001	
120299A254PMS	420	3.0	1260	12/2/99	12/16/99	<0.042	<0.0001	
120399A254PMS	450	3.0	1350	12/3/99	12/16/99	0.079	<0.0001	
End of Week								<0.0001
120999A254PMS	205	3.0	615	12/9/99	12/16/99	<0.086	<0.0002	
End of Week								<0.0002
121399A254PMS	435	3.0	1305	12/13/99	12/16/99	<0.041	<0.0001	<0.0001
END OF PROJECT								

WOHL Wisconsin Occupational Health Laboratory

2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

August 6, 1999

JOHN SHEEHAN
ERM - WOODBURY
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

Company #: 4644

PROJ DZUS FASTENERS
EN0090001

The results for the samples received by the lab on 07/30/99 are as follows:

Lab#	Field#	ug/sample	MG/M3	Analyte
771858	072199A252BG	49	0.026	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
771859	072199A203BG	ND <45	ND <0.023	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
771860	072299A252BG	ND <45	ND <0.037	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
771861	072299A253BG	ND <45	ND <0.036	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
771862	072399A252BG	ND <45	ND <0.040	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
771863	072399A203BG	62	0.044	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
771864	72699A252PMS	70	0.035	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
771865	72699A203PMS	76	0.037	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
771866	72799A203PMS	60	0.031	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
771867	72799A252PMS	79	0.039	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
771868	72899A252PMS	96	0.048	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

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2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
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ERM - WOODBURY

August 6, 1999

PROJ DZUS FASTENERS
EN0090001

Lab#	Field#	ug/sample	MG/M3	Analyte
771869	72899A203PMS	62	0.031	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

If you have any questions about these results, please call the lab at (800) 446-0403

Lyle Reichmann, CIH, Chemist Supervisor

Shakker Amer

Shakker Amer

WOHL Wisconsin Occupational Health Laboratory
Wisconsin State Laboratory of Hygiene
University of Wisconsin

2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

August 16, 1999

JEREMY WOLF
ERM - WOODBURY
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

Company #: 4644

PROJ DZUS FASTENERS
EN0090001

The results for the samples received by the lab on 08/10/99 are as follows:

Lab#	Field#	ug/sample	MG/M3	Analyte
773399	072999A203PM	105	0.056	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
773400	072999A252PM	95	0.052	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
773401	073099A252PM	66	0.032	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
773402	073099A253PM	ND <45	ND <0.022	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
773403	080299A253PM	ND <45	ND <0.022	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
773404	080299A252PM	ND <45	ND <0.022	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
773405	080399A253PM	54	0.025	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
773406	080399A252PM	ND <45	ND <0.021	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
773407	080499A253PM	52	0.020	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
773408	080499A252PM	74	0.028	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
773409	080599A252PM	45	0.024	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

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PROJ DZUS FASTENERS
EN0090001

Lab#	Field#	ug/sample	MG/M3	Analyte
773410	080599A253PM	83	0.045	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

If you have any questions about these results, please call the lab at (800) 446-0403

Lyle Reichmann, CIH, Chemist Supervisor

Shakker Amer

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PO Box 7996
Madison, WI 53707-7996
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Wisconsin State Laboratory of Hygiene

University of Wisconsin

August 16, 1999

BRIAN HENEVELD
ERM - WOODBURY
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

Company #: 4644

PROJ C&D RECYCLING
N212303

The results for the samples received by the lab on 08/10/99 are as follows:

Lab#	Field#	ug/sample	MG/M3	Analyte
773840	071699A251PM	202	0.119	Total Weight
		ND <0.375	ND <0.0002	Lead, Inorganic Fume & Dust
773841	071699A254PM	112	0.068	Total Weight
		ND <0.375	ND <0.0002	Lead, Inorganic Fume & Dust
773842	071699A250PM	162	0.095	Total Weight
		ND <0.375	ND <0.0002	Lead, Inorganic Fume & Dust
773843	071699A204SU	533	0.305	Total Weight
		<=1.25	<=0.0007	Lead, Inorganic Fume & Dust
773844	072299A204SU	166	0.135	Total Weight
		<=1.25	<=0.0010	Lead, Inorganic Fume & Dust
773845	072299A251PM	58	0.049	Total Weight
		ND <0.375	ND <0.0003	Lead, Inorganic Fume & Dust
773846	072299A250PM	81	0.068	Total Weight
		ND <0.375	ND <0.0003	Lead, Inorganic Fume & Dust
773847	072299A254PM	73	0.060	Total Weight
		ND <0.375	ND <0.0003	Lead, Inorganic Fume & Dust
773848	072699A204SU	ND <53	ND <0.050	Total Weight
		ND <0.375	ND <0.0004	Lead, Inorganic Fume & Dust
773849	072699A251PM	62	0.027	Total Weight
		ND <0.375	ND <0.0002	Lead, Inorganic Fume & Dust
773850	072699A250PM	80	0.035	Total Weight
		ND <0.375	ND <0.0002	Lead, Inorganic Fume & Dust

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ERM - WOODBURY

August 16, 1999

PROJ C&D RECYCLING
N212303

Lab#	Field#	ug/sample	MG/M3	Analyte
773851	072699A254PM	71	0.031	Total Weight
		ND <0.375	ND <0.0002	Lead, Inorganic Fume & Dust
773852	073099A204SU	169	0.324	Total Weight
		ND <0.375	ND <0.0007	Lead, Inorganic Fume & Dust
773853	MFBDOCSPLRES	ND <53	ND <0.065	Total Weight
		ND <0.375	ND <0.0005	Lead, Inorganic Fume & Dust
773854	MFBDOCSPLRES	85	0.044	Total Weight
		ND <0.375	ND <0.0002	Lead, Inorganic Fume & Dust
Comments:	SAMPLES 773853 AND 773854 HAD THE SAME FIELD NUMBERS AND COULD NOT BE DISTINGUISHED FROM ONE ANOTHER.			
773855	FB08069901	ND <53		Total Weight
		ND <0.375		Lead, Inorganic Fume & Dust
773856	FB08069902	ND <53		Total Weight
		ND <0.375		Lead, Inorganic Fume & Dust

If you have any questions about these results, please call the lab at (800) 446-0403

Lyle Reichmann, CIH, Chemist Supervisor

Shakker Amer

WOHL Wisconsin Occupational Health Laboratory

2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

August 20, 1999

JEREMY WOLF
ERM - WOODBURY
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

Company #: 4644

PROJ DZUS FASTENE
EN0090001

The results for the samples received by the lab on 08/16/99 are as follows:

Lab#	Field#	ug/sample	MG/M3	Analyte
774824	080699A252PM	52	0.029	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
774825	080699A253PM	48	0.026	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
774826	080999A252PM	ND <45	ND <0.078	Total Weight
		ND <0.093	ND <0.0002	Cadmium Dust (as Cd)
774827	080999A253PM	ND <45	ND <0.075	Total Weight
		ND <0.093	ND <0.0002	Cadmium Dust (as Cd)
774828	081099A252PM	ND <45	ND <0.028	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
774829	081099A253PM	ND <45	ND <0.028	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
774830	081099A254PM	ND <45	ND <0.029	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
774831	081199A251PM	89	0.059	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
774832	081199A252PM	78	0.068	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
774833	081199A253PM	71	0.061	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
774834	081299A251PM	112	0.056	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

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PROJ DZUS FASTENE
EN0090001

Lab#	Field#	ug/sample	MG/M3	Analyte
774835	081299A252PM	131	0.064	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
774836	081299A253PM	121	0.059	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

If you have any questions about these results, please call the lab at (800) 446-0403

Lyle Reichmann, CIH, Chemist Supervisor

Shakker Amer

Environmental Resources Management

ERM 175 Froehlich Farm Blvd. • Woodbury, NY 11797 • (516) 921-4300 • (516) 921-5637 (Fax)

Fed ex #

Chain of Custody

Project Name / No. AZUS Fasteners / EN0090001

Project Coordinator / Contact Mark Gough / Jeremy Wolf

Sampler(s) Jeremy Wolf

Bottles Supplied By WOHL #4644

Sheet No. 01 of 01

M9135L 3PRF W

NIOSH Methods:

1. total particulates: 0600
2. Cadmium = 7300

turnaround time = 1 week

	Date	Time	Comp.	Grab	Sample Identification	Soil	Air	Water	Total No. of Containers	Type and No. of Containers: Duration (mins)	Flow (L/m)	Volume (L)	Analysis Requested
774824	8/6/99	15:10			080699A252 PMS		V			450	4.0	1800	total particulats & Cd.
774825	8/6/99	15:20			080699A253 PMS		V			465	4.0	1860	
774826	8/9/99	10:00			080999A252 PMS		V			145	4.0	580	
774827	8/9/99	10:00			080999A253 PMS		V			150	4.0	600	
774828	8/10/99	1630			081099A252 PMS		V			395	4.0	1580	
774829	8/10/99	1635			081099A253 PMS		V			395	4.0	1580	
774830	8/10/99	1635			081099A254 PMS		V			390	4.0	1560	
774831	8/11/99	18:10			081199A251 PMS		V			380	4.0	1520	
774832	8/11/99	18:00			081199A252 PMS		V			285	4.0	1140	
774833	8/11/99	18:05			081199A253 PMS		V			290	4.0	1160	
774834	8/12/99	16:15			081299A251 PMS		V			500	4.0	2000	
774835	8/12/99	16:20			081299A252 PMS		V			510	4.0	2040	
774836	8/12/99	16:20			081299A253 PMS		V			515	4.0	2060	

Please Fax Results to:
Brian Heneveld (516) 921-5637
Jeremy Wolf (516) 376-2145

Relinquished By (Signature)	Date/Time	Received By (Signature)	Date/Time	Reason for Transfer
Jeremy Wolf	8/13/99 16:00	A McGarry	AUG 16 1999	

WOHL Wisconsin Occupational Health Laboratory

2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

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University of Wisconsin

August 20, 1999 4644

JEREMY WOLF
ERM - WOODBURY
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

WEIGHT AND ICAP METALS

Samples are analyzed for weight by WOHL in-house method based on NIOSH 0500 and 0600 and for ICP metals by WOHL in-house method based on NIOSH 7300 and OSHA ID 125G.

Air samples are collected on PVC preweighed filters. Upon return to the lab, the filters are re-weighed on a Microbalance. The total weight is the difference between the final weight and the initial weight. The results are expressed as milligrams per cubic meter of air if the air collection volume was provided; otherwise as micrograms per sample. All results are blank corrected if a blank was provided unless otherwise noted in the comments section of the report. Limits of Detection for Total Weight results are as follows:

Minimum Detection Limit (MDL)

Yellow band	53 ug/sample
Red band	45 ug/sample
Wood dust	30 ug/sample
25mm Red band	25 ug/sample

For metals, the re-weighed PVC filters were digested in an appropriate mixture of acids. Samples are made up to a total volume of 25mls unless otherwise noted in the comments section of the report. An aliquot of the sample was analyzed for various elements using an Inductively Coupled Argon Plasma Atomic Emission Spectrometer (ICAP-AES).

If air volumes are provided, results are expressed as mg/m3 or as ug/m3. If air volumes are not provided, results are expressed as ug/sample or as ng/sample. If the air samples represent a welding soldering or brazing operation, the results are reported either as metals fumes or metal oxide fumes. Metal oxide conversion factors used to convert elemental values of calcium, magnesium and zinc into their respective oxides are 1.4, 1.66 and 1.246. Iron oxide fumes

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WEIGHT AND ICAP METALS

are reported as iron. When a specific compound is requested its elemental form is quantified after accurately being extracted. An appropriate conversion factor is applied in order to convert the amount to the desired compound.

All results are blank corrected if a blank was provided unless otherwise noted in the comments section of the report. A less than or equal to symbol before sample results indicate values are less than our Limits of Quantitation. The prefix N.D. before sample results indicate values are below our Limits of Detection. Limits of Quantitation and Detection for WOHL ICAP metals are available on the accompanying sheet and are expressed as ug/sample.

Shakker Amer — Analyst

Lyle Reichmann, CIH — Chemist Supervisor

WOHL Wisconsin Occupational Health Laboratory

2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

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LABORATORY QUALITY CONTROL REPORT

Chemist Initials: SA Date of Report: 08 - 18 - 99 Equipment Code: 775
Equipment Description: JARREL ASH ICP

The following samples were analyzed for QUALITY COMPLIANCE along with normal FIELD samples.

These results meet WOHL Lab Quality Control criteria.

---------- CORRECT ----------

REPORTED VALUES ARE CORRECT FOR SAMPLES: 76633 AND 76634
Results are within 2 standard deviation.

Q-C Sample#	Reported Value(R)	Actual Value(A)	Units	Ratio (R/A)	Std Dev	S-Code	Substance Name
76633	49.905	48.600	ug/fil	1.0269	1	490	Cadmium by ICP
76633	51.660	48.600	ug/fil	1.0630	2	690	Chromium by ICP
76633	86.748	81.100	ug/fil	1.0696	1	730	Copper by ICP
76633	86.064	81.100	ug/fil	1.0612	2	1591	Lead by ICP
76633	49.708	48.600	ug/fil	1.0228	1	1620	Manganese by ICP
76633	83.963	81.100	ug/fil	1.0353	1	1840	Nickel by ICP
76633	133.182	124.800	ug/fil	1.0672	2	I200	Iron by ICP
76633	101.744	97.300	ug/fil	1.0457	1	Z100	Zinc by ICP
76634	41.860	40.500	ug/fil	1.0336	1	490	Cadmium by ICP
76634	43.062	40.500	ug/fil	1.0633	2	690	Chromium by ICP
76634	71.728	67.600	ug/fil	1.0611	1	730	Copper by ICP
76634	72.319	67.600	ug/fil	1.0698	2	1591	Lead by ICP
76634	41.424	40.500	ug/fil	1.0228	1	1620	Manganese by ICP
76634	69.933	67.600	ug/fil	1.0345	1	1840	Nickel by ICP
76634	110.359	104.000	ug/fil	1.0611	2	I200	Iron by ICP
76634	84.752	81.100	ug/fil	1.0450	1	Z100	Zinc by ICP

The Quality Control limits are calculated based on 1, 2, and 3 STANDARD DEVIATIONS derived from historical data for a particular analyte. The MEAN values are adjusted to 1 in order to avoid any positive or negative bias.

KEY : COLUMN HEADINGS

Q-C Sample# : Laboratory prepared Quality Control sample number.
Reported Value : Analyst's results.
Actual Value : Amount of analyte applied to the QC sample.
Ratio : Ratio of Reported/Actual.
Std Dev : Number of Standard Deviations from the MEAN value.
S-Code : Substance (analyte) code.

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2601 Agriculture Drive
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WOHL Detection & Quantitation Limits For ICP Metals (ug/sample)

Element	Method Detection Limit 25mL	50mL	100mL	Method Quantitation Limit 25mL	50mL	100mL
Aluminum	2.775	5.55	11.1	9.25	18.5	37
Antimony	0.45	0.9	1.8	1.5	3	6
Arsenic	0.225	0.45	0.9	0.75	1.5	3
Barium	0.045	0.09	0.18	0.15	0.3	0.6
Beryllium	0.0188	0.0375	0.075	0.0625	0.125	0.25
Bismuth	0.625	1.25	2.5	2.125	4.25	8.5
Boron	0.235	0.47	0.94	0.7075	1.415	2.83
Cadmium	0.0925	0.185	0.37	0.3	0.6	1.2
Calcium	2.475	4.95	9.9	8.25	16.5	33
Chromium	0.225	0.45	0.9	0.75	1.5	3
Cobalt	0.075	0.15	0.3	0.275	0.55	1.1
Copper	0.50	1.0	2.0	1.5	3.0	6.0
Gallium	1.125	2.25	4.5	3.75	7.5	15
Iron	1.75	3.5	7.0	5.0	10	20
Lead	0.375	0.75	1.5	1.25	2.5	5
Magnesium	1.175	2.35	4.7	3.5	7	14
Manganese	0.03	0.06	0.12	0.1	0.2	0.4
Molybdenum	0.18	0.36	0.72	0.6	1.2	2.4
Nickel	0.3	0.6	1.2	0.975	1.95	3.9
Phosphorous	7.5	15	30	25	50	100
Platinum	0.112	0.225	0.45	0.375	0.75	1.5
Potassium	207.5	415	830	625	1250	2500
Selenium	0.5	1	2	1.7	3.4	6.8
Silver	0.095	0.19	0.38	0.325	0.65	1.3
Sodium	10	20	40	30	60	120
Strontium	0.045	0.09	0.18	0.15	0.3	0.6
Sulfur	5.7	11.4	22.8	18.975	37.95	75.9
Tellurium	3.75	7.5	15	12.5	25	50
Thallium	0.225	0.45	0.9	0.75	1.5	3
Tin	0.375	0.75	1.5	1.25	2.5	5
Titanium	0.12	0.24	0.48	0.4	0.8	1.6
Tungsten	3.75	7.5	15	12.5	25	50
Vanadium	0.075	0.15	0.3	0.25	0.5	1
Zinc	0.55	1.1	2.2	1.65	3.3	6.6
Zirconium	1.875	3.75	7.5	6.25	12.5	25

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Phone: (800) 446-0403
FAX: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

August 27, 1999

JEREMY WOLF
ERM - WOODBURY
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

Company #: 4644

PROJ DZUS FASTENERS
EN0090001

The results for the samples received by the lab on 08/20/99 are as follows:

Lab#	Field#	ug/sample	MG/M3	Analyte
776091	081399A251PM	56	0.041	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
776092	081399A252PM	97	0.070	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
776093	081399A253PM	80	0.059	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
776094	081699A250PM	84	0.039	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
776095	081699A251PM	ND <45	ND <0.021	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
776096	081699A252PM	ND <45	ND <0.021	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
776097	081699A253PM	48	0.022	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
776098	081799A250PM	72	0.044	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
776099	081799A251PM	80	0.049	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
776100	081799A252PM	76	0.047	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
776101	081799A253PM	130	0.080	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

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2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

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Lab#	Field#	ug/sample	MG/M3	Analyte
776102	081899A250PM	65	0.033	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
776103	081899A251PM	72	0.038	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
776104	081899A252PM	65	0.035	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
776105	081899A253PM	56	0.029	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

If you have any questions about these results, please call the lab at (800) 446-0403

Lyle Reichmann, CIH, Chemist Supervisor

Curtis J. Hedman

Curtis J Hedman

Environmental Resources Management

ERM 175 Froehlich Farm Blvd. • Woodbury, NY 11797 • (516) 921-4300 • (516) 921-5637 (Fax)

Fed ex # 8130 9675 7555

Chain of Custody

Project Name / No. DZUS Fasteners / EN009.00.01

Project Coordinator / Contact Mark Gauch | Jeremy Wolf

Sampler(s) Jeremy Wolf

Bottles Supplied By WOHL

Lab Log No. 01 of # 4644

metals / SARF M9135

NiOSH Methods:

1. total particulates = 0600
2. Cadmium = 7300

turnaround time = 1 week

Date	Time	Comp.	Grab	Sample Identification	Soil / Air / Water	Total No. of Containers	Duration (mins)	Flow (L/m)	Volume (L)	Analysis Requested
8/13/99	1435			081399A251 PMS 776091	V	345		4.0	1380	total particulates & Cd.
8/13/99	1445			081399A252 PMS 776092	V	345		4.0	1380	
8/13/99	1440			081399A253 PMS 776093	V	340		4.0	1360	
8/16/99	1725			081699A250 PMS 776094	V	545		4.0	2180	
8/16/99	1720			081699A251 PMS 776095	V	540		4.0	2160	
8/16/99	1715			081699A252 PMS 776096	V	530		4.0	2120	
8/16/99	1720			081699A253 PMS 776097	V	535		4.0	2140	
8/17/99	1520			081799A250 PMS 776098	V	410		4.0	1640	
8/17/99	1530			081799A251 PMS 776099	V	410		4.0	1640	
8/17/99	1530			081799A252 PMS 776100	V	405		4.0	1620	
8/17/99	1535			081799A253 PMS 776101	V	405		4.0	1620	
8/18/99	1625			081899A250 PMS 776102	V	490		4.0	1960	
8/18/99	1620			081899A251 PMS 776103	V	480		4.0	1920	
8/18/99	1615			081899A252 PMS 776104	V	470		4.0	1880	
8/18/99	1630			081899A253 PMS 776105	V	490		4.0	1960	

Please Fax Results to Jeremy Wolf (516) 376-2146 & Brian Heneveld (516) 921-5637

Relinquished By (Signature)	Date/Time	Received By (Signature)	Date/Time	Reason for Transfer
Jeremy Wolf	8/19/99 0900			

146021

WOHL Wisconsin Occupational Health Laboratory

2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

August 27, 1999

4644

JEREMY WOLF
ERM - WOODBURY
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

WEIGHT AND ICAP METALS

Samples are analyzed for weight by WOHL in-house method based on NIOSH 0500 and 0600 and for ICP metals by WOHL in-house method based on NIOSH 7300 and OSHA ID 125G.

Air samples are collected on PVC preweighed filters. Upon return to the lab, the filters are re-weighed on a Microbalance. The total weight is the difference between the final weight and the initial weight. The results are expressed as milligrams per cubic meter of air if the air collection volume was provided; otherwise as micrograms per sample. All results are blank corrected if a blank was provided unless otherwise noted in the comments section of the report. Limits of Detection for Total Weight results are as follows:

Minimum Detection Limit (MDL)

Yellow band	53 ug/sample
Red band	45 ug/sample
Wood dust	30 ug/sample
25mm Red band	25 ug/sample

For metals, the re-weighed PVC filters were digested in an appropriate mixture of acids. Samples are made up to a total volume of 25mls unless otherwise noted in the comments section of the report. An aliquot of the sample was analyzed for various elements using an Inductively Coupled Argon Plasma Atomic Emission Spectrometer (ICAP-AES).

If air volumes are provided, results are expressed as mg/m3 or as ug/m3. If air volumes are not provided, results are expressed as ug/sample or as ng/sample. If the air samples represent a welding soldering or brazing operation, the results are reported either as metals fumes or metal oxide fumes. Metal oxide conversion factors used to convert elemental values of calcium, magnesium and zinc into their respective oxides are 1.4, 1.66 and 1.246. Iron oxide fumes

WOHL Wisconsin Occupational Health Laboratory

2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

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WEIGHT AND ICAP METALS

are reported as iron. When a specific compound is requested its elemental form is quantified after accurately being extracted. An appropriate conversion factor is applied in order to convert the amount to the desired compound.

All results are blank corrected if a blank was provided unless otherwise noted in the comments section of the report. A less than or equal to symbol before sample results indicate values are less than our Limits of Quantitation. The prefix N.D. before sample results indicate values are below our Limits of Detection. Limits of Quantitation and Detection for WOHL ICAP metals are available on the accompanying sheet and are expressed as ug/sample.

Curtis J Hedman Analyst

Lyle Reichmann, CIH Chemist Supervisor

WOHL Wisconsin Occupational Health Laboratory

2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

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WOHL Detection & Quantitation Limits For ICP Metals (ug/sample)

Element	Method Detection Limit 25mL	50mL	100mL	Method Quantitation Limit 25mL	50mL	100mL
Aluminum	2.775	5.55	11.1	9.25	18.5	37
Antimony	0.45	0.9	1.8	1.5	3	6
Arsenic	0.225	0.45	0.9	0.75	1.5	3
Barium	0.045	0.09	0.18	0.15	0.3	0.6
Beryllium	0.0188	0.0375	0.075	0.0625	0.125	0.25
Bismuth	0.625	1.25	2.5	2.125	4.25	8.5
Boron	0.235	0.47	0.94	0.7075	1.415	2.83
Cadmium	0.0925	0.185	0.37	0.3	0.6	1.2
Calcium	2.475	4.95	9.9	8.25	16.5	33
Chromium	0.225	0.45	0.9	0.75	1.5	3
Cobalt	0.075	0.15	0.3	0.275	0.55	1.1
Copper	0.50	1.0	2.0	1.5	3.0	6.0
Gallium	1.125	2.25	4.5	3.75	7.5	15
Iron	1.75	3.5	7.0	5.0	10	20
Lead	0.375	0.75	1.5	1.25	2.5	5
Magnesium	1.175	2.35	4.7	3.5	7	14
Manganese	0.03	0.06	0.12	0.1	0.2	0.4
Molybdenum	0.18	0.36	0.72	0.6	1.2	2.4
Nickel	0.3	0.6	1.2	0.975	1.95	3.9
Phosphorous	7.5	15	30	25	50	100
Platinum	0.112	0.225	0.45	0.375	0.75	1.5
Potassium	207.5	415	830	625	1250	2500
Selenium	0.5	1	2	1.7	3.4	6.8
Silver	0.095	0.19	0.38	0.325	0.65	1.3
Sodium	10	20	40	30	60	120
Strontium	0.045	0.09	0.18	0.15	0.3	0.6
Sulfur	5.7	11.4	22.8	18.975	37.95	75.9
Tellurium	3.75	7.5	15	12.5	25	50
Thallium	0.225	0.45	0.9	0.75	1.5	3
Tin	0.375	0.75	1.5	1.25	2.5	5
Titanium	0.12	0.24	0.48	0.4	0.8	1.6
Tungsten	3.75	7.5	15	12.5	25	50
Vanadium	0.075	0.15	0.3	0.25	0.5	1
Zinc	0.55	1.1	2.2	1.65	3.3	6.6
Zirconium	1.875	3.75	7.5	6.25	12.5	25

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2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

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LABORATORY QUALITY CONTROL REPORT

Chemist Initials: SA Date of Report: 08 - 25 - 99 Equipment Code: 775
Equipment Description: JARREL ASH ICP

The following samples were analyzed for QUALITY COMPLIANCE along with normal FIELD samples.

These results meet WOHL Lab Quality Control criteria.

---------- CORRECT ----------

REPORTED VALUES ARE CORRECT FOR SAMPLES: 76693 AND 76694.
Results are within 1 standard deviation.

Q-C Sample#	Reported Value(R)	Actual Value(A)	Units	Ratio (R/A)	Std Dev	S-Code	Substance Name
76693	56.822	56.800	ug/fil	1.0004	1	490	Cadmium by ICP
76693	58.179	56.800	ug/fil	1.0243	1	690	Chromium by ICP
76693	98.669	94.600	ug/fil	1.0430	1	730	Copper by ICP
76693	98.063	94.600	ug/fil	1.0366	1	1591	Lead by ICP
76693	56.043	56.800	ug/fil	.9867	1	1620	Manganese by ICP
76693	95.588	94.600	ug/fil	1.0104	1	1840	Nickel by ICP
76693	149.566	145.600	ug/fil	1.0272	1	I200	Iron by ICP
76693	115.220	113.500	ug/fil	1.0152	1	Z100	Zinc by ICP
76694	40.670	40.500	ug/fil	1.0042	1	490	Cadmium by ICP
76694	41.509	40.500	ug/fil	1.0249	1	690	Chromium by ICP
76694	70.499	67.600	ug/fil	1.0429	1	730	Copper by ICP
76694	69.773	67.600	ug/fil	1.0321	1	1591	Lead by ICP
76694	39.968	40.500	ug/fil	.9869	1	1620	Manganese by ICP
76694	68.366	67.600	ug/fil	1.0113	1	1840	Nickel by ICP
76694	107.201	104.000	ug/fil	1.0308	1	I200	Iron by ICP
76694	82.013	81.100	ug/fil	1.0113	1	Z100	Zinc by ICP

The Quality Control limits are calculated based on 1, 2, and 3 STANDARD DEVIATIONS derived from historical data for a particular analyte. The MEAN values are adjusted to 1 in order to avoid any positive or negative bias.

KEY : COLUMN HEADINGS

Q-C Sample# : Laboratory prepared Quality Control sample number.
Reported Value : Analyst's results.
Actual Value : Amount of analyte applied to the QC sample.
Ratio : Ratio of Reported/Actual.
Std Dev : Number of Standard Deviations from the MEAN value.
S-Code : Substance (analyte) code.

WOHL Wisconsin Occupational Health Laboratory

2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

September 1, 1999

JEREMY WOLF
ENV RESOURCES MANAGEMENT
33 SW 2ND AVE
MIAMI FL 33130

Company #: 3815

PROJ DZUS FASTENERS
EN0090001

The results for the samples received by the lab on 08/27/99 are as follows:

Lab#	Field#	ug/sample	MG/M3	Analyte
777365	081999A250PM	ND <53	ND <0.026	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
777366	081999A251PM	ND <53	ND <0.027	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
777367	081999A252PM	ND <53	ND <0.026	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
777368	081999A253PM	ND <53	ND <0.026	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
777369	082399A250PM	ND <53	ND <0.032	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
777370	082399A251PM	ND <53	ND <0.032	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
777371	082399A252PM	ND <53	ND <0.032	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
777372	082399A253PM	ND <53	ND <0.033	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
777373	082499A250PM	ND <53	ND <0.043	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
777374	082499A251PM	ND <53	ND <0.044	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
777375	082499A252PM	ND <53	ND <0.043	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

WOHL Wisconsin Occupational Health Laboratory
Wisconsin State Laboratory of Hygiene
2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213
University of Wisconsin

ENV RESOURCES MANAGEMENT

September 1, 1999

PROJ DZUS FASTENERS
EN0090001

Lab#	Field#	ug/sample	MG/M3	Analyte
777376	082499A253PM	ND <53	ND <0.043	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
777377	082599A251PM	ND <53	ND <0.030	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
777378	082599A252PM	ND <53	ND <0.030	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
777379	082599A253PM	ND <53	ND <0.030	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
777380	082599A254PM	ND <53	ND <0.030	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

Comments: Result(s) are not blank corrected.

If you have any questions about these results, please call the lab at (800) 446-0403

Lyle Reichmann, CIH, Chemist Supervisor

Curtis J Hedman

WOHL Wisconsin Occupational Health Laboratory

2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

September 14, 1999

JEREMY WOLF
ENV RESOURCES MANAGEMENT
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

Company #: 3815

PROJ DZUS FASTENERS
EN0090001

The results for the samples received by the lab on 09/07/99 are as follows:

Lab#	Field#	ug/sample	MG/M3	Analyte
779708	082799A251PM	ND <53	ND <0.036	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
779709	082799A252PM	ND <53	ND <0.037	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
779710	082799A253PM	ND <53	ND <0.036	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
779711	082799A254PM	ND <53	ND <0.037	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
779712	082899A251PM	ND <53	ND <0.039	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
779713	082899A252PM	ND <53	ND <0.038	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
779714	082899A253PM	ND <53	ND <0.038	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
779715	082899A254PM	ND <53	ND <0.038	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
779716	083099A251PM	ND <53	ND <0.028	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
779717	083099A252PM	ND <53	ND <0.028	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
779718	083099A253PM	ND <53	ND <0.028	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

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2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

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PROJ DZUS FASTENERS
EN0090001

Lab#	Field#	ug/sample	MG/M3	Analyte
779719	083099A254PM	ND <53	ND <0.028	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
779720	083199A251PM	ND <53	ND <0.028	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
779721	083199A252PM	ND <53	ND <0.028	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
779722	083199A253PM	106	0.057	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
779723	083199A254PM	ND <53	ND <0.028	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
779724	090199A252PM	ND <53	ND <0.024	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
779725	090199A253PM	105	0.047	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
779726	090199A254PM	305	0.135	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
779727	090299A252PM	ND <53	ND <0.026	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
779728	090299A253PM	212	0.103	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
779729	090299A254PM	71	0.035	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

If you have any questions about these results, please call the lab at (800) 446-0403

Lyle Reichmann, CIH, Chemist Supervisor

Shakker Amer

Environmental Resources Management

ERM 175 Froehlich Farm Blvd. • Woodbury, NY 11797 • (516) 921-4300 • (516) 921-5637 (Fax)

Chain of Custody

Project Name / No. DZUS FASTENERS/EW009.00.01

Project Coordinator / Contact JEREMY WOLF

Sampler(s) JEREMY WOLF

Bottles Supplied By WOHL

Sheet No. 2 of 2

NIOSH METHODS

1. TOTAL PARTICULATES = 0600
2. Cadmium = 7300

TAT = 1 WK

Date	Time	Comp.	Grab	Sample Identification	Soil	Water	Total No. of Containers	Type and No. of Containers: Duration (min)	Flow Rate (L/m)	Volume (Liters)	Analysis Requested
8/31/99	1630			083199A254PMS		779	723	410	4.0	1880	TOTAL PARTICULATES & Cd
9/01/99	1645			090199A252PMS		779	724	555	4.0	2220	
9/01/99	16:50			090199A253PMS		779	725	560	4.0	2240	
9/01/99	16:55			090199A254PMS		779	726	565	4.0	2260	
9/02/99	16:20			090299A252PMS		779	727	500	4.0	2000	
9/02/99	1626			090299A253PMS		779	728	516	4.0	2064	
9/02/99	1624			090299A254PMS		779	729	509	4.0	2036	

Please FAX RESULTS to:
BRIAN Heneveld (516) 921-5637
Jeremy Wolf (516) 921-5637

Relinquished By (Signature)	Date/Time	Received By (Signature)	Date/Time	Reason for Transfer
Gregory W. Quinn	9/3/99 1355	A INCIGNY	SEP 7 1999	

14662

WOHL Wisconsin Occupational Health Laboratory

2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

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WOHL Detection & Quantitation Limits For ICP Metals (ug/sample)

	Method Detection Limit			Method Quantitation Limit		
Element	**25mL**	**50mL**	**100mL**	**25mL**	**50mL**	**100mL**
Aluminum	2.775	5.55	11.1	9.25	18.5	37
Antimony	0.45	0.9	1.8	1.5	3	6
Arsenic	0.225	0.45	0.9	0.75	1.5	3
Barium	0.045	0.09	0.18	0.15	0.3	0.6
Beryllium	0.0188	0.0375	0.075	0.0625	0.125	0.25
Bismuth	0.625	1.25	2.5	2.125	4.25	8.5
Boron	0.235	0.47	0.94	0.7075	1.415	2.83
Cadmium	0.0925	0.185	0.37	0.3	0.6	1.2
Calcium	2.475	4.95	9.9	8.25	16.5	33
Chromium	0.225	0.45	0.9	0.75	1.5	3
Cobalt	0.075	0.15	0.3	0.275	0.55	1.1
Copper	0.50	1.0	2.0	1.5	3.0	6.0
Gallium	1.125	2.25	4.5	3.75	7.5	15
Iron	1.75	3.5	7.0	5.0	10	20
Lead	0.3	0.6	1.2	0.875	1.75	3.5
Magnesium	1.175	2.35	4.7	3.5	7	14
Manganese	0.03	0.06	0.12	0.1	0.2	0.4
Molybdenum	0.18	0.36	0.72	0.6	1.2	2.4
Nickel	0.3	0.6	1.2	0.975	1.95	3.9
Phosphorous	7.5	15	30	25	50	100
Platinum	0.112	0.225	0.45	0.375	0.75	1.5
Potassium	207.5	415	830	625	1250	2500
Selenium	0.5	1	2	1.7	3.4	6.8
Silver	0.095	0.19	0.38	0.325	0.65	1.3
Sodium	10	20	40	30	60	120
Strontium	0.045	0.09	0.18	0.15	0.3	0.6
Sulfur	5.7	11.4	22.8	18.975	37.95	75.9
Tellurium	3.75	7.5	15	12.5	25	50
Thallium	0.225	0.45	0.9	0.75	1.5	3
Tin	0.375	0.75	1.5	1.25	2.5	5
Titanium	0.12	0.24	0.48	0.4	0.8	1.6
Tungsten	3.75	7.5	15	12.5	25	50
Vanadium	0.075	0.15	0.3	0.25	0.5	1
Zinc	0.55	1.1	2.2	1.65	3.3	6.6
Zirconium	1.875	3.75	7.5	6.25	12.5	25

WOHL Wisconsin Occupational Health Laboratory

2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

September 14, 1999 3815

JEREMY WOLF
ENV RESOURCES MANAGEMENT
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

WEIGHT AND ICAP METALS

Samples are analyzed for weight by WOHL in-house method based on NIOSH 0500 and 0600 and for ICP metals by WOHL in-house method based on NIOSH 7300 and OSHA ID 125G.

Air samples are collected on PVC preweighed filters. Upon return to the lab, the filters are re-weighed on a Microbalance. The total weight is the difference between the final weight and the initial weight. The results are expressed as milligrams per cubic meter of air if the air collection volume was provided; otherwise as micrograms per sample. All results are blank corrected if a blank was provided unless otherwise noted in the comments section of the report. Limits of Detection for Total Weight results are as follows:

	Minimum Detection Limit (MDL)
Yellow band	53 ug/sample
Red band	45 ug/sample
Wood dust	30 ug/sample
25mm Red band	25 ug/sample

For metals, the re-weighed PVC filters were digested in an appropriate mixture of acids. Samples are made up to a total volume of 25mls unless otherwise noted in the comments section of the report. An aliquot of the sample was analyzed for various elements using an Inductively Coupled Argon Plasma Atomic Emission Spectrometer (ICAP-AES).

If air volumes are provided, results are expressed as mg/m3 or as ug/m3. If air volumes are not provided, results are expressed as ug/sample or as ng/sample. If the air samples represent a welding soldering or brazing operation, the results are reported either as metals fumes or metal oxide fumes. Metal oxide conversion factors used to convert elemental values of calcium, magnesium and zinc into their respective oxides are 1.4, 1.66 and 1.246. Iron oxide fumes

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2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

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WEIGHT AND ICAP METALS

are reported as iron. When a specific compound is requested its elemental form is quantified after accurately being extracted. An appropriate conversion factor is applied in order to convert the amount to the desired compound.

All results are blank corrected if a blank was provided unless otherwise noted in the comments section of the report. A less than or equal to symbol before sample results indicate values are less than our Limits of Quantitation. The prefix N.D. before sample results indicate values are below our Limits of Detection. Limits of Quantitation and Detection for WOHL ICAP metals are available on the accompanying sheet and are expressed as ug/sample.

Shakker Amer — Analyst

Lyle Reichmann, CIH — Chemist Supervisor

WOHL Wisconsin Occupational Health Laboratory

2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

LABORATORY QUALITY CONTROL REPORT

Chemist Initials: DS Date of Report: 09 - 10 - 99 Equipment Code: 775
Equipment Description: JARREL ASH ICP

The following samples were analyzed for QUALITY COMPLIANCE along with normal FIELD samples.

These results meet WOHL Lab Quality Control criteria.

---------- CORRECT ----------

REPORTED VALUES ARE CORRECT FOR SAMPLES: 76943 AND 76944
Results are within 2 standard deviation.

Q-C Sample#	Reported Value(R)	Actual Value(A)	Units	Ratio (R/A)	Std Dev	S-Code	Substance Name
76943	25.824	24.300	ug/fil	1.0627	2	490	Cadmium by ICP
76943	26.416	24.300	ug/fil	1.0871	2	690	Chromium by ICP
76943	44.398	40.500	ug/fil	1.0962	2	730	Copper by ICP
76943	43.911	40.500	ug/fil	1.0842	2	1591	Lead by ICP
76943	25.308	24.300	ug/fil	1.0415	1	1620	Manganese by ICP
76943	43.630	40.500	ug/fil	1.0773	2	1840	Nickel by ICP
76943	67.291	62.400	ug/fil	1.0784	2	I200	Iron by ICP
76943	51.983	48.600	ug/fil	1.0696	2	Z100	Zinc by ICP
76944	57.801	56.800	ug/fil	1.0176	1	490	Cadmium by ICP
76944	59.191	56.800	ug/fil	1.0421	1	690	Chromium by ICP
76944	99.230	94.600	ug/fil	1.0489	1	730	Copper by ICP
76944	98.874	94.600	ug/fil	1.0452	1	1591	Lead by ICP
76944	56.913	56.800	ug/fil	1.0020	1	1620	Manganese by ICP
76944	97.813	94.600	ug/fil	1.0340	1	1840	Nickel by ICP
76944	151.391	145.600	ug/fil	1.0398	1	I200	Iron by ICP
76944	116.193	113.500	ug/fil	1.0237	1	Z100	Zinc by ICP

The Quality Control limits are calculated based on 1, 2, and 3 STANDARD DEVIATIONS derived from historical data for a particular analyte. The MEAN values are adjusted to 1 in order to avoid any positive or negative bias.

KEY : COLUMN HEADINGS

Q-C Sample# : Laboratory prepared Quality Control sample number.
Reported Value : Analyst's results.
Actual Value : Amount of analyte applied to the QC sample.
Ratio : Ratio of Reported/Actual.
Std Dev : Number of Standard Deviations from the MEAN value.
S-Code : Substance (analyte) code.

WOHL Wisconsin Occupational Health Laboratory

2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

September 29, 1999

JEREMY WOLF
ERM - WOODBURY
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

Company #: 4644

The results for the samples received by the lab on 09/23/99 are as follows:

Lab#	Field#	ug/sample	MG/M3	Analyte
783018	91399A251PMS	ND <53	ND <0.045	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
783019	91399A252PMS	ND <53	ND <0.045	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
783020	91399A253PMS	ND <53	ND <0.045	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
783021	91399A254PMS	ND <53	ND <0.045	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
783022	91499A251PMS	ND <53	ND <0.038	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
783023	91499A252PMS	ND <53	ND <0.038	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
783024	91499A253PMS	ND <53	ND <0.038	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
783025	91499A254PMS	ND <53	ND <0.037	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
783026	92099A251PMS	ND <53	ND <0.037	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
783027	92099A252PMS	ND <53	ND <0.038	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
783028	92099A253PMS	ND <53	ND <0.038	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

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Lab#	Field#	ug/sample	MG/M3	Analyte
783029	92099A254PMS	ND <53	ND <0.038	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

Comments: Result(s) are not blank corrected.

If you have any questions about these results, please call the lab at (800) 446-0403

LeRoy Dobson, Advanced Chemist

Jason Loughrin

WOHL Wisconsin Occupational Health Laboratory

2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

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University of Wisconsin

September 29, 1999

4644

JEREMY WOLF
ERM - WOODBURY
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

WEIGHT AND ICAP METALS

Samples are analyzed for weight by WOHL in-house method based on NIOSH 0500 and 0600 and for ICP metals by WOHL in-house method based on NIOSH 7300 and OSHA ID 125G.

Air samples are collected on PVC preweighed filters. Upon return to the lab, the filters are re-weighed on a Microbalance. The total weight is the difference between the final weight and the initial weight. The results are expressed as milligrams per cubic meter of air if the air collection volume was provided; otherwise as micrograms per sample. All results are blank corrected if a blank was provided unless otherwise noted in the comments section of the report. Limits of Detection for Total Weight results are as follows:

Minimum Detection Limit (MDL)

Yellow band	53 ug/sample
Red band	45 ug/sample
Wood dust	30 ug/sample
25mm Red band	25 ug/sample

For metals, the re-weighed PVC filters were digested in an appropriate mixture of acids. Samples are made up to a total volume of 25mls unless otherwise noted in the comments section of the report. An aliquot of the sample was analyzed for various elements using an Inductively Coupled Argon Plasma Atomic Emission Spectrometer (ICAP-AES).

If air volumes are provided, results are expressed as mg/m3 or as ug/m3. If air volumes are not provided, results are expressed as ug/sample or as ng/sample. If the air samples represent a welding soldering or brazing operation, the results are reported either as metals fumes or metal oxide fumes. Metal oxide conversion factors used to convert elemental values of calcium, magnesium and zinc into their respective oxides are 1.4, 1.66 and 1.246. Iron oxide fumes

WOHL Wisconsin Occupational Health Laboratory

2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
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WEIGHT AND ICAP METALS

are reported as iron. When a specific compound is requested its elemental form is quantified after accurately being extracted. An appropriate conversion factor is applied in order to convert the amount to the desired compound.

All results are blank corrected if a blank was provided unless otherwise noted in the comments section of the report. A less than or equal to symbol before sample results indicate values are less than our Limits of Quantitation. The prefix N.D. before sample results indicate values are below our Limits of Detection. Limits of Quantitation and Detection for WOHL ICAP metals are available on the accompanying sheet and are expressed as ug/sample.

Jason Loughrin	Analyst
LeRoy Dobson	Advanced Chemist

WOHL Wisconsin Occupational Health Laboratory

2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

LABORATORY QUALITY CONTROL REPORT

Chemist Initials: SA Date of Report: 09 - 27 - 99 Equipment Code: 775
Equipment Description: JARREL ASH ICP

The following samples were analyzed for QUALITY COMPLIANCE along with normal FIELD samples.

These results meet WOHL Lab Quality Control criteria.

---------- CORRECT ----------
REPORTED VALUES ARE CORRECT FOR SAMPLES: 77275 AND 77276
Results are within 2 standard deviation.

Q-C Sample#	Reported Value(R)	Actual Value(A)	Units	Ratio (R/A)	Std Dev	S-Code	Substance Name
77275	24.852	24.300	ug/fil	1.0227	1	490	Cadmium by ICP
77275	25.465	24.300	ug/fil	1.0479	1	690	Chromium by ICP
77275	44.283	40.500	ug/fil	1.0934	2	730	Copper by ICP
77275	43.838	40.500	ug/fil	1.0824	2	1591	Lead by ICP
77275	24.508	24.300	ug/fil	1.0086	1	1620	Manganese by ICP
77275	42.615	40.500	ug/fil	1.0522	1	1840	Nickel by ICP
77275	65.120	62.400	ug/fil	1.0436	1	I200	Iron by ICP
77275	50.910	48.600	ug/fil	1.0475	1	Z100	Zinc by ICP
77276	48.967	48.600	ug/fil	1.0076	1	490	Cadmium by ICP
77276	50.165	48.600	ug/fil	1.0322	1	690	Chromium by ICP
77276	86.810	81.100	ug/fil	1.0704	2	730	Copper by ICP
77276	86.268	81.100	ug/fil	1.0637	2	1591	Lead by ICP
77276	48.653	48.600	ug/fil	1.0011	1	1620	Manganese by ICP
77276	84.238	81.100	ug/fil	1.0387	1	1840	Nickel by ICP
77276	128.520	124.800	ug/fil	1.0298	1	I200	Iron by ICP
77276	100.162	97.300	ug/fil	1.0294	1	Z100	Zinc by ICP

The Quality Control limits are calculated based on 1, 2, and 3 STANDARD DEVIATIONS derived from historical data for a particular analyte. The MEAN values are adjusted to 1 in order to avoid any positive or negative bias.

KEY : COLUMN HEADINGS

Q-C Sample# : Laboratory prepared Quality Control sample number.
Reported Value : Analyst's results.
Actual Value : Amount of analyte applied to the QC sample.
Ratio : Ratio of Reported/Actual.
Std Dev : Number of Standard Deviations from the MEAN value.
S-Code : Substance (analyte) code.

WOHL Wisconsin Occupational Health Laboratory

2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

Wisconsin State Laboratory of Hygiene

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October 12, 1999

MARK GOUCH
ERM - WOODBURY
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

Company #: 4644

PROJ DZUS FASTENERS
EN0090001

The results for the samples received by the lab on 10/04/99 are as follows:

Lab#	Field#	ug/sample	MG/M3	Analyte
785202	092399A251PM	69	0.074	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
785203	092399A252PM	ND <53	ND <0.058	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
785204	092399A253PM	ND <53	ND <0.060	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
785205	092399A254PM	ND <53	ND <0.060	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
785206	092499A251PM	ND <53	ND <0.045	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
785207	092499A252PM	ND <53	ND <0.045	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
785208	092499A253PM	57	0.049	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
785209	092499A254PM	70	0.061	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
785210	092799A251PM	228	0.157	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
785211	092799A252PM	ND <53	ND <0.036	Total Weight
		ND <0.093	ND <0..0001	Cadmium Dust (as Cd)
785212	092799A253PM	ND <53	ND <0.036	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

WOHL Wisconsin Occupational Health Laboratory

2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

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ERM - WOODBURY

October 12, 1999

PROJ DZUS FASTENERS
EN0090001

Lab#	Field#	ug/sample	MG/M3	Analyte
785213	092799A254PM	163	0.111	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
785214	092899A251PM	ND <53	ND <0.039	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
785215	092899A252PM	ND <53	ND <0.039	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
785216	092899A253PM	672	0.498	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
785217	092899A254PM	ND <53	ND <0.040	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
785218	092999A251PM	ND <53	ND <0.034	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
785219	092999A252PM	ND <53	ND <0.034	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
785220	092999A253PM	ND <53	ND <0.034	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
785221	092999A254PM	ND <53	ND <0.034	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

Comments: Result(s) are not blank corrected.

If you have any questions about these results, please call the lab at (800) 446-0403

Lyle Reichmann, CIH, Chemist Supervisor

Shakker Amer

Shakker Amer

WOHL Wisconsin Occupational Health Laboratory

Mail:
P.O. Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403

Packages:
2601 Agriculture Dr.
Madison, WI 53718
Fax: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

October 29, 1999

BRIAN HENEVELD
ERM - C & D RECYLCING
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

Company #: 5975

PROJ DZUS FASTENERS

The results for the samples received by the lab on 10/21/99 are as follows:

Lab#	Field#	ug/sample	MG/M3	Analyte
789237	101499A251PM	ND <53	ND <0.043	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
Comments: STUDY NOT BLANK CORRECTED. NO BLANK RECEIVED.				
789238	101499A252PM	ND <53	ND <0.043	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
789239	101499A253PM	ND <53	ND <0.043	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
789240	101499A254PM	53	0.043	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
789241	101599A251PM	ND <53	ND <0.041	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
789242	101599A252PM	ND <53	ND <0.041	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
789243	101599A253PM	ND <53	ND <0.041	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
789244	101599A254PM	ND <53	ND <0.041	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
789245	101899A251PM	84	0.117	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
789246	101899A252PM	155	0.215	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
789247	101899A253PM	ND <53	ND <0.074	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

WOHL Wisconsin Occupational Health Laboratory

Mail:
P.O. Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403

Packages:
2601 Agriculture Dr.
Madison, WI 53718
Fax: (608) 224-6213

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University of Wisconsin

PROJ DZUS FASTENERS

Lab#	Field#	ug/sample	MG/M3	Analyte
789248	101899A254PM	58	0.081	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
789249	101999A251PM	ND <53	ND <0.088	Total Weight
		ND <0.093	ND <0.0002	Cadmium Dust (as Cd)
789250	101999A252PM	ND <53	ND <0.091	Total Weight
		ND <0.093	ND <0.0002	Cadmium Dust (as Cd)
789251	101999A253PM	ND <53	ND <0.086	Total Weight
		ND <0.093	ND <0.0002	Cadmium Dust (as Cd)
789252	101999A254PM	ND <53	ND <0.088	Total Weight
		ND <0.093	ND <0.0002	Cadmium Dust (as Cd)

Comments: Result(s) are not blank corrected.

If you have any questions about these results, please call the lab at (800) 446-0403

Lyle Reichmann, CIH, Chemist Supervisor

Shakker Amer

#5975

Please Fax Results to Lorin Walicki (516) 921-2914
Brian Heneveld (516) 921-5637

Environmental Resources Management
175 Froehlich Farm Blvd. • Woodbury, NY 11797 • (516) 921-4300 • (516) 921-5637 (Fax)

Chain of Custody

Project Name / No. DZUS Fasteners / EN009.00.01
Project Coordinator / Contact Mark Govoh
Sampler(s) Jeremy Wolf
Bottles Supplied By WOHL
Sheet No. 01 of 02

NIOSH methods
1. Total particulates = 0600
2. Cadmium = 7300
1 week TAT

	Date	Time	Comp.	Grab	Sample Identification	Soil	Air	Water	Total No. of Containers	Type and No. of Containers	Duration (mins)	Flow Rate (L/m)	Volume (liters)	Analysis Requested
789237	10/14/99	16:10			101499A251PMS		√		1		415	3.0	1245	Total particulates & Cd
789238	10/14/99	16:10			101499A252PMS		√		1		415	3.0	1245	
789239	10/14/99	16:05			101499A253PMS		√		1		415	3.0	1245	
789240	10/14/99	16:00			101499A254PMS		√		1		415	3.0	1245	
789241	10/15/99	16:00			101599A251PMS		√		1		430	3.0	1290	
789242	10/15/99	16:00			101599A252PMS		√		1		430	3.0	1290	
789243	10/15/99	15:55			101599A253PMS		√		1		430	3.0	1290	
789244	10/15/99	15:55			101599A254PMS		√		1		435	3.0	1305	
789245	10/18/99	16:25			101899A251PMS		√		1		240	3.0	720	
789246	10/18/99	16:20			101899A252PMS		√		1		240	3.0	720	
789247	10/18/99	16:15			101899A253PMS		√		1		240	3.0	720	
789248	10/18/99	16:15			101899A254PMS		√		1		240	3.0	720	
789249	10/19/99	12:05			101999A251PMS		√		1		200	3.0	600	
789250	10/19/99	12:05			101999A252PMS		√		1		195	3.0	585	
789251	10/19/99	12:05			101999A253PMS		√		1		205	3.0	615	

BS
2PF
meth 0/9135

Relinquished By (Signature)	Date/Time	Received By (Signature)	Date/Time	Reason for Transfer
Jeremy Wolf	10/20/99 11:00	B Enders	10-21-99	

146821

Please Fax Results to Lorin Walicki (516) 921-2914
Brian Heneveld (516) 921-5637

Environmental Resources Management
175 Froehlich Farm Blvd. • Woodbury, NY 11797 • (516) 921-4300 • (516) 921-5637 (Fax)

Chain of Custody

Project Name / No. DZUS Fasteners / EN009.00.01
Project Coordinator / Contact Mark Gauch
Sampler(s) Jeremy Wolf
Bottles Supplied By WOHL
Sheet No. 02 of 02

NiOsh Methods
1. Total particulates = 0600
2. Cadmium = 7300
1 Week TAT REQUESTED

Date	Time	Comp.	Grab	Sample Identification	Soil	Air	Water	Total No. of Containers	Type and No. of Containers: Duration (mins)	Flow Rate (L/m)	Volume (Liters)	Analysis Requested
785252 10/19/99	12:00			101999A254 PMS	V			1	200	3.0	600	Total particulates & Cd

Relinquished By (Signature)	Date/Time	Received By (Signature)	Date/Time	Reason for Transfer
Jeremy Wolf	10/20/99 11:00	B Enders	10-21-99	

146621

WOHL Wisconsin Occupational Health Laboratory

Mail:
P.O. Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403

Packages:
2601 Agriculture Dr.
Madison, WI 53718
Fax: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

October 29, 1999 5975

BRIAN HENEVELD
ERM - C & D RECYLCING
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

WEIGHT AND ICAP METALS

Samples are analyzed for weight by WOHL in-house method based on NIOSH 0500 and 0600 and for ICP metals by WOHL in-house method based on NIOSH 7300 and OSHA ID 125G.

Air samples are collected on PVC preweighed filters. Upon return to the lab, the filters are re-weighed on a Microbalance. The total weight is the difference between the final weight and the initial weight. The results are expressed as milligrams per cubic meter of air if the air collection volume was provided; otherwise as micrograms per sample. All results are blank corrected if a blank was provided unless otherwise noted in the comments section of the report. Limits of Detection for Total Weight results are as follows:

Minimum Detection Limit (MDL)

Yellow band	53 ug/sample
Red band	45 ug/sample
Wood dust	30 ug/sample
25mm Red band	25 ug/sample

For metals, the re-weighed PVC filters were digested in an appropriate mixture of acids. Samples are made up to a total volume of 25mls unless otherwise noted in the comments section of the report. An aliquot of the sample was analyzed for various elements using an Inductively Coupled Argon Plasma Atomic Emission Spectrometer (ICAP-AES).

If air volumes are provided, results are expressed as mg/m3 or as ug/m3. If air volumes are not provided, results are expressed as ug/sample or as ng/sample. If the air samples represent a welding soldering or brazing operation, the results are reported either as metals fumes or metal oxide fumes. Metal oxide conversion factors used to convert elemental values of calcium, magnesium and zinc into their respective oxides are 1.4, 1.66 and 1.246.

WOHL Wisconsin Occupational Health Laboratory

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Phone: (800) 446-0403

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2601 Agriculture D
Madison, WI 53718
Fax: (608) 224-6213

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WEIGHT AND ICAP METALS

***** Please note that Iron oxide results are reported as Fe. This
***** value is directly comparable to the TLV and the 1989 PEL.
***** However the current PEL is as Fe2O3. To compare the result to
***** the current PEL, multiply the result by 1.43.

When a specific compound is requested its elemental form is quantified after accurately being extracted. An appropriate conversion factor is applied in order to convert the amount to the desired compound.

All results are blank corrected if a blank was provided unless otherwise noted in the comments section of the report. A less than or equal to symbol before sample results indicate values are less than our Limits of Quantitation. The prefix N.D. before sample results indicate values are below our Limits of Detection. Limits of Quantitation and Detection for WOHL ICAP metals are available on the accompanying sheet and are expressed as ug/sample.

Shakker Amer — Analyst

Lyle Reichmann, CIH — Chemist Supervisor

WOHL Wisconsin Occupational Health Laboratory

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Wisconsin State Laboratory of Hygiene

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LABORATORY QUALITY CONTROL REPORT

Chemist Initials: DS Date of Report: 10 - 26 - 99 Equipment Code: 775
Equipment Description: JARREL ASH ICP

The following samples were analyzed for QUALITY COMPLIANCE along with normal FIELD samples.

These results meet WOHL Lab Quality Control criteria.

---------- CORRECT ----------
REPORTED VALUES ARE CORRECT FOR SAMPLES: 77823 AND 77824
Results are within 2 standard deviation.

Q-C Sample#	Reported Value(R)	Actual Value(A)	Units	Ratio (R/A)	Std Dev	S-Code	Substance Name
77823	25.605	24.300	ug/sam	1.0537	1	490	Cadmium by ICP
77823	26.535	24.300	ug/sam	1.0920	2	690	Chromium by ICP
77823	42.580	40.500	ug/sam	1.0514	1	730	Copper by ICP
77823	41.518	40.500	ug/sam	1.0251	1	1591	Lead by ICP
77823	25.397	24.300	ug/sam	1.0452	1	1620	Manganese by ICP
77823	42.655	40.500	ug/sam	1.0532	1	1840	Nickel by ICP
77823	68.027	62.400	ug/sam	1.0902	2	I200	Iron by ICP
77823	51.732	48.600	ug/sam	1.0645	2	Z100	Zinc by ICP
77824	65.455	64.900	ug/sam	1.0086	1	490	Cadmium by ICP
77824	66.230	64.900	ug/sam	1.0205	1	690	Chromium by ICP
77824	108.473	108.100	ug/sam	1.0034	1	730	Copper by ICP
77824	106.335	108.100	ug/sam	.9837	1	1591	Lead by ICP
77824	63.972	64.900	ug/sam	.9857	1	1620	Manganese by ICP
77824	107.995	108.100	ug/sam	.9990	1	1840	Nickel by ICP
77824	169.460	166.400	ug/sam	1.0184	1	I200	Iron by ICP
77824	130.440	129.700	ug/sam	1.0057	1	Z100	Zinc by ICP

The Quality Control limits are calculated based on 1, 2, and 3 STANDARD DEVIATIONS derived from historical data for a particular analyte. The MEAN values are adjusted to 1 in order to avoid any positive or negative bias.

KEY : COLUMN HEADINGS

Q-C Sample# : Laboratory prepared Quality Control sample number.
Reported Value : Analyst's results.
Actual Value : Amount of analyte applied to the QC sample.
Ratio : Ratio of Reported/Actual.
Std Dev : Number of Standard Deviations from the MEAN value.
S-Code : Substance (analyte) code.

WOHL Wisconsin Occupational Health Laboratory

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P.O. Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403

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2601 Agriculture Dr
Madison, WI 53718
Fax: (608) 224-6213

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LABORATORY QUALITY CONTROL REPORT

Chemist Initials: DS Date of Report: 10 - 27 - 99 Equipment Code: 775
Equipment Description: JARREL ASH ICP

The following samples were analyzed for QUALITY COMPLIANCE along with normal FIELD samples.

These results meet WOHL Lab Quality Control criteria.

---------- CORRECT ----------
REPORTED VALUES ARE CORRECT FOR SAMPLES: 77829 AND 77830
Results are within 2 standard deviation.

Q-C Sample#	Reported Value(R)	Actual Value(A)	Units	Ratio (R/A)	Std Dev	S-Code	Substance Name
77829	25.215	24.300	ug/sam	1.0377	1	490	Cadmium by ICP
77829	25.972	24.300	ug/sam	1.0688	2	690	Chromium by ICP
77829	41.565	40.500	ug/sam	1.0263	1	730	Copper by ICP
77829	41.655	40.500	ug/sam	1.0285	1	1591	Lead by ICP
77829	24.765	24.300	ug/sam	1.0192	1	1620	Manganese by ICP
77829	42.792	40.500	ug/sam	1.0566	1	1840	Nickel by ICP
77829	65.615	62.400	ug/sam	1.0515	1	I200	Iron by ICP
77829	50.395	48.600	ug/sam	1.0369	1	Z100	Zinc by ICP
77830	65.637	64.900	ug/sam	1.0114	1	490	Cadmium by ICP
77830	67.673	64.900	ug/sam	1.0427	1	690	Chromium by ICP
77830	107.875	108.100	ug/sam	.9979	1	730	Copper by ICP
77830	108.315	108.100	ug/sam	1.0020	1	1591	Lead by ICP
77830	64.827	64.900	ug/sam	.9989	1	1620	Manganese by ICP
77830	110.832	108.100	ug/sam	1.0253	1	1840	Nickel by ICP
77830	170.910	166.400	ug/sam	1.0271	1	I200	Iron by ICP
77830	131.402	129.700	ug/sam	1.0131	1	Z100	Zinc by ICP

The Quality Control limits are calculated based on 1, 2, and 3 STANDARD DEVIATIONS derived from historical data for a particular analyte. The MEAN values are adjusted to 1 in order to avoid any positive or negative bias.

KEY : COLUMN HEADINGS

Q-C Sample# : Laboratory prepared Quality Control sample number.
Reported Value : Analyst's results.
Actual Value : Amount of analyte applied to the QC sample.
Ratio : Ratio of Reported/Actual.
Std Dev : Number of Standard Deviations from the MEAN value.
S-Code : Substance (analyte) code.

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FAX: (608) 224-6213

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WOHL Detection & Quantitation Limits For ICP Metals (ug/sample)

Element	Method Detection Limit			Method Quantitation Limit		
	25mL	50mL	100mL	25mL	50mL	100mL
Aluminum	2.775	5.55	11.1	9.25	18.5	37
Antimony	0.45	0.9	1.8	1.5	3	6
Arsenic	0.225	0.45	0.9	0.75	1.5	3
Barium	0.045	0.09	0.18	0.15	0.3	0.6
Beryllium	0.0188	0.0375	0.075	0.0625	0.125	0.25
Bismuth	0.625	1.25	2.5	2.125	4.25	8.5
Boron	0.235	0.47	0.94	0.7075	1.415	2.83
Cadmium	0.0925	0.185	0.37	0.3	0.6	1.2
Calcium	2.475	4.95	9.9	8.25	16.5	33
Chromium	0.225	0.45	0.9	0.75	1.5	3
Cobalt	0.075	0.15	0.3	0.275	0.55	1.1
Copper	0.50	1.0	2.0	1.5	3.0	6.0
Gallium	1.125	2.25	4.5	3.75	7.5	15
Iron	1.75	3.5	7.0	5.0	10	20
Lead	0.3	0.6	1.2	0.875	1.75	3.5
Magnesium	1.175	2.35	4.7	3.5	7	14
Manganese	0.03	0.06	0.12	0.1	0.2	0.4
Molybdenum	0.18	0.36	0.72	0.6	1.2	2.4
Nickel	0.3	0.6	1.2	0.975	1.95	3.9
Phosphorous	7.5	15	30	25	50	100
Platinum	0.112	0.225	0.45	0.375	0.75	1.5
Potassium	207.5	415	830	625	1250	2500
Selenium	0.5	1	2	1.7	3.4	6.8
Silver	0.095	0.19	0.38	0.325	0.65	1.3
Sodium	10	20	40	30	60	120
Strontium	0.045	0.09	0.18	0.15	0.3	0.6
Sulfur	5.7	11.4	22.8	18.975	37.95	75.9
Tellurium	3.75	7.5	15	12.5	25	50
Thallium	0.225	0.45	0.9	0.75	1.5	3
Tin	0.375	0.75	1.5	1.25	2.5	5
Titanium	0.12	0.24	0.48	0.4	0.8	1.6
Tungsten	3.75	7.5	15	12.5	25	50
Vanadium	0.075	0.15	0.3	0.25	0.5	1
Zinc	0.55	1.1	2.2	1.65	3.3	6.6
Zirconium	1.875	3.75	7.5	6.25	12.5	25

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Mail:
P.O. Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403

Packages:
2601 Agriculture Dr.
Madison, WI 53718
Fax: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

November 15, 1999

MARK GOUCH
ERM
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

Company #: 3815

PROJ DZUS FASTENERS
EN0090001

The results for the samples received by the lab on 11/03/99 are as follows:

Lab#	Field#	ug/sample	MG/M3	Analyte
792065	102199A251PM	ND <53	ND <0.037	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792066	102199A252PM	ND <53	ND <0.038	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792067	102199A253PM	ND <53	ND <0.036	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792068	102199A254PM	ND <53	ND <0.037	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792069	102599A251PM	ND <53	ND <0.037	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792070	102599A252PM	ND <53	ND <0.037	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792071	102599A253PM	ND <53	ND <0.037	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792072	102599A254PM	66	0.046	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792073	102699A251PM	69	0.037	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792074	102699A252PM	ND <53	ND <0.029	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792075	102699A253PM	298	0.164	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

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Madison, WI 53707-7996
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Packages:
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Madison, WI 53718
Fax: (608) 224-6213

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University of Wisconsin

ERM

November 15, 1999

PROJ DZUS FASTENERS
EN0090001

Lab#	Field#	ug/sample	MG/M3	Analyte
792076	102699A254PM	62	0.034	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792077	102799A251PM	ND <53	ND <0.047	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792078	102799A252PM	ND <53	ND <0.046	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792079	102799A253PM	ND <53	ND <0.047	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792080	102799A254PM	ND <53	ND <0.048	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792081	102899A251PM	ND <53	ND <0.041	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792082	102899A252PM	ND <53	ND <0.040	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792083	102899A253PM	ND <53	ND <0.041	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792084	102899A254PM	ND <53	ND <0.041	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792085	102999A251PM	ND <53	ND <0.065	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792086	102999A252PM	ND <53	ND <0.065	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792087	102999A253PM	ND <53	ND <0.065	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
792088	102999A254PM	ND <53	ND <0.067	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

Comments: THE GRAVIMETRIC RESULTS HAVE NOT BEEN BLANK CORRECTED.
Result(s) are not blank corrected.

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Madison, WI 53707-7996
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Madison, WI 53718
Fax: (608) 224-6213

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November 15, 1999

PROJ DZUS FASTENERS
EN0090001

Lab#	Field#	ug/sample	MG/M3	Analyte

If you have any questions about these results, please call the lab at (800) 446-0403

Lyle Reichmann, CIH, Chemist Supervisor

Shakker Amer

Shakker Amer

Please Fax Results to Lorin Walicki (516) 921-2914
Brian Herzeld (516) 921-5637

Environmental Resources Management
ERM 175 Froehlich Farm Blvd. • Woodbury, NY 11797 • (516) 921-7300 • (516) 921-5637 (Fax)

Chain of Custody

Project Name / No. DZUS Fasteners / EN009.00.01
Project Coordinator / Contact Mark Gough
Sampler(s) Jeremy Wolf
Bottles Supplied By WOHL
Sheet No. 01 of 02

NIOSH methods.
1. Total particulates = 0600
2. Cadmium = 7300
1 week TAT

Date	Time	Comp.	Grab	Sample Identification	Soil / Air / Water	Type and No. of Containers: Total No. of Containers	Duration (mins)	Flow Rate (L/m)	Volume (liters)	Analysis Requested
10/14/99	16:10			101499A251PMS	V	1	415	3.0	1245	Total particulates & Cd
10/14/99	16:10			101499A252PMS	V	1	415	3.0	1245	
10/14/99	16:05			101499A253PMS	V	1	415	3.0	1245	
10/14/99	16:00			101499A254PMS	V	1	415	3.0	1245	
10/15/99	16:00			101599A251PMS	V	1	430	3.0	1290	
10/15/99	16:00			101599A252PMS	V	1	430	3.0	1290	
10/15/99	15:55			101599A253PMS	V	1	430	3.0	1290	
10/15/99	15:55			101599A254PMS	V	1	435	3.0	1305	
10/18/99	16:25			101899A251PMS	V	1	240	3.0	720	
10/18/99	16:20			101899A252PMS	V	1	240	3.0	720	
10/18/99	16:15			101899A253PMS	V	1	240	3.0	720	
10/18/99	16:15			101899A254PMS	V	1	240	3.0	720	
10/19/99	12:05			101999A251PMS	V	1	200	3.0	600	
10/19/99	12:05			101999A252PMS	V	1	195	3.0	585	
10/19/99	12:05			101999A253PMS	V	1	205	3.0	615	

Relinquished By (Signature)	Date/Time	Received By (Signature)	Date/Time	Reason for Transfer
Jeremy Wolf	10/20/99 11:00			

140021

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Wisconsin State Laboratory of Hygiene
Mail: P.O. Box 7996 Madison, WI 53707-7996 Phone: (800) 446-0403
Packages: 2601 Agriculture Dr. Madison, WI 5371[illegible] Fax: (608) 224-621[illegible]
University of Wisconsi[illegible]

DEC 2 1999

November 19, 1999

EARTH TECH

JEREMY WOLF
ERM
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

RECEIVED 1999

EARTH TECH
Company #: 3815

EARTH TECH PROJ DZUS FASTENERS
EN0090001

The results for the samples received by the lab on 11/12/99 are as follows:

Lab#	Field#	ug/sample	MG/M3	Analyte
794002	110599A251PM	ND <53	ND <0.050	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
794003	110599A252PM	ND <53	ND <0.051	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
794004	110599A253PM	ND <53	ND <0.049	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
794005	110599A254PM	68	0.062	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
794006	110899A251PM	ND <53	ND <0.037	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
794007	110899A252PM	ND <53	ND <0.038	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
794008	110899A253PM	ND <53	ND <0.036	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
794009	110899A254PM	ND <53	ND <0.036	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
794010	110999A251PM	ND <53	ND <0.036	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
794011	110999A252PM	ND <53	ND <0.036	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
794012	110999A253PM	55	0.037	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

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Fax: (608) 224-6213

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PROJ DZUS FASTENERS
EN0090001

Lab#	Field#	ug/sample	MG/M3	Analyte
794013	110999A254PM	105	0.070	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
794014	111099A251PM	ND <53	ND <0.058	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
794015	111099A252PM	ND <53	ND <0.058	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
794016	111099A253PM	ND <53	ND <0.058	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
794017	111099A254PM	53	0.059	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

Comments: THE GRAVIMETRIC RESULTS HAVE NOT BEEN BLANK CORRECTED.

Report contains 2 page(s).

If you have any questions about these results, please call the lab at (800) 446-0403

Lyle Reichmann, CIH, Chemist Supervisor

Shakker Amer

Please fax results to Lorin Walicki (516) 921-2914
#3815 (516) 921-5637

Environmental Resources Management
ERM 175 Froehlich Farm Blvd. • Woodbury, NY 11797 • (516) 921-4300 • (516) 921-5637 (Fax)

Chain of Custody

Project Name / No. DZUS Fasteners / EN009.00.01
Project Coordinator / Contact Mark Gouch
Sampler(s) Jeremy Wolf
Bottles Supplied By WOHL
Sheet No. 01 of 01

1/(2)

NiOSH Methods
1. Total particulates = 0600
2. Cadmium = 7300
(1 week TAT)

Date	Time	Comp.	Grab	Sample Identification	Soil	Air	Water	Total No. of Containers	Type and No. of Containers	Duration (mins)	Flow Rate (L/m)	Volume (Liters)	Analysis Requested
11/5/99	15:00		X	110599A251PMS			V	1		355	3.0	1065	Total particulates & Cd
11/5/99	14:55		X	110599A252PMS			V	1		345	3.0	1035	
11/5/99	15:00		X	110599A253PMS			V	1		360	3.0	1080	
11/5/99	15:05		X	110599A254PMS			V	1		365	3.0	1095	
11/8/99	~~14:25~~ 16:45		X	110899A251PMS			V	1		475	3.0	1425	
11/8/99	16:45		X	110899A252PMS			V	1		470	3.0	1410	
11/8/99	16:50		X	110899A253PMS			V	1		485	3.0	1455	
11/8/99	17:00		X	110899A254PMS			V	1		495	3.0	1485	
11/9/99	16:30		X	110999A251PMS			V	1		490	3.0	1470	
11/9/99	16:30		X	110999A252PMS			V	1		490	3.0	1470	
11/9/99	16:35		X	110999A253PMS			V	1		500	3.0	1500	
11/9/99	16:35		X	110999A254PMS			V	1		500	3.0	1500	
11/10/99	13:35		X	111099A251PMS			V	1		305	3.0	915	
11/10/99	13:46		X	111099A252PMS			V	1		305	3.0	915	
11/10/99	13:40		X	111099A253PMS			V	1		305	3.0	915	
11/10/99	13:35		X	111099A254PMS			V	1		300	3.0	900	

B5
28VF
meth 0/9135

Relinquished By (Signature)	Date/Time	Received By (Signature)	Date/Time	Reason for Transfer
Jeremy Wolf	11/11/99 12:30	[illegible]	11-12-99	

OK BC

146621

WOHL
Wisconsin Occupational Heath Laboratory
Mail: P.O. Box 7996 Madison, WI 53707-7996
Packages: 2601 Agriculture Dr. Madison, WI 53718
Phone: (800) 446-0403 Fax: (608) 224-6213

SAMPLE RECEIPT RECORD

Dear Customer,

The checkmarked items were noted upon receipt of this study at the Wisconsin Occupational Health Laboratory. If you have any questions, please call the lab.

EMR

- ☐ RUSH- not prearranged _____
- ☐ PRIORITY - not prearranged _____
- ☒ Special turnaround requested one week asap
- ☐ Status changed to _____ per _____

- ☐ No sampling sheet received with samples _____
- ☐ No company name & address on sampling sheet _____
- ☐ No billing address listed on sampling sheet _____
- ☐ No contact person listed on sampling sheet _____
- ☐ Fax requested - no fax # listed on sampling sheet _____
- ☐ No phone # listed on sampling sheet _____
- ☐ No analysis request on sampling sheet _____
- ☐ Instructions not clear _____
- ☐ Field # not clearly written on sampling sheet _____
- ☐ Field # on sample does not match field # on sampling sheet _____
- ☐ Samples not individually listed _____
- ☐ Studies/groups of like samples not separately listed on sampling sheet _____

- ☐ No visit # on 91A form when received at lab _____

- ☐ Samples shipped on ice/cold packs _____
- ☐ Samples shipped in cooler _____
- ☐ No packing material in shipping container _____
- ☐ Samples loose in packing material _____
- ☐ Flammable/corrosive samples improperly packed/shipped _____

- ☐ Bulk shipped in inappropriate container _____
  - ☐ Plastic bag ☐ Paper envelope ☐ No wrapping
- ☐ Bulk container broken _____
- ☐ Multiple bulks in one container _____
- ☐ Bulk(s) shipped with air samples _____
- ☐ Sample leaking _____
- ☐ Tube/filter received broken _____
- ☐ Caps missing from tube _____
- ☐ Caps missing from tube but ends taped _____
- ☐ Plugs missing from cassette _____
- ☐ Plugs missing from cassette but ends taped _____
- ☐ Tape removed from cassette _____
- ☐ Tape cut on cassette _____
- ☐ Sample collected on wrong media _____
- ☐ Sample listed but not received _____
- ☐ Sample received but not listed _____

- ☐ Other _____

Action Taken _____

Chemist Initials _____ (mail to Client) Keep a copy on record

Reviewed from 11 1597

WOHL Wisconsin Occupational Health Laboratory

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Packages:
2601 Agriculture Dr.
Madison, WI 53718
Fax: (608) 224-621

Wisconsin State Laboratory of Hygiene

University of Wisconsin

November 19, 1999 3815

JEREMY WOLF
ERM
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

WEIGHT AND ICAP METALS

Samples are analyzed for weight by WOHL in-house method based on NIOSH 0500 and 0600 and for ICP metals by WOHL in-house method based on NIOSH 7300 and OSHA ID 125G.

Air samples are collected on PVC preweighed filters. Upon return to the lab, the filters are re-weighed on a Microbalance. The total weight is the difference between the final weight and the initial weight. The results are expressed as milligrams per cubic meter of air if the air collection volume was provided; otherwise as micrograms per sample. All results are blank corrected if a blank was provided unless otherwise noted in the comments section of the report. Limits of Detection for Total Weight results are as follows:

	Minimum Detection Limit (MDL)
Yellow band	53 ug/sample
Red band	45 ug/sample
Wood dust	30 ug/sample
25mm Red band	25 ug/sample

For metals, the re-weighed PVC filters were digested in an appropriate mixture of acids. Samples are made up to a total volume of 25mls unless otherwise noted in the comments section of the report. An aliquot of the sample was analyzed for various elements using an Inductively Coupled Argon Plasma Atomic Emission Spectrometer (ICAP-AES).

If air volumes are provided, results are expressed as mg/m3 or as ug/m3. If air volumes are not provided, results are expressed as ug/sample or as ng/sample. If the air samples represent a welding soldering or brazing operation, the results are reported either as metals fumes or metal oxide fumes. Metal oxide conversion factors used to convert elemental values of calcium, magnesium and zinc into their respective oxides are 1.4, 1.66 and 1.246.

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University of Wisconsin

WEIGHT AND ICAP METALS

***** Please note that Iron oxide results are reported as Fe. This
***** value is directly comparable to the TLV and the 1989 PEL.
***** However the current PEL is as Fe2O3. To compare the result to
***** the current PEL, multiply the result by 1.43.

When a specific compound is requested its elemental form is quantified after accurately being extracted. An appropriate conversion factor is applied in order to convert the amount to the desired compound.

Unless otherwise noted, blanks provided with studies are subtracted according to the WOHL blank policy. If the blank for an element is less than the limit of detection for that element, then the blank is considered meaningless and not applied. If the blank value is above the limit of quantitation for that element, then the blank is considered contaminated and not applied. If the blank is between the limits of detection and quantitation, then the blank value is subtracted from the applicable samples in the study.

A <= symbol before a result indicates that the value was greater than detection but less than quantitation limits. The prefix ND before a result indicates that the value was less than the detection limit.

Limits of Quantitation and Detection for WOHL ICAP metals are available on the accompanying sheet and are expressed as ug/sample.

Shakker Amer — Analyst

Lyle Reichmann, CIH — Chemist Supervisor

WOHL Wisconsin Occupational Health Laboratory

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Madison, WI 53718
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Wisconsin State Laboratory of Hygiene

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LABORATORY QUALITY CONTROL REPORT

Chemist Initials: SA Analysis Date: 11 - 15 - 99 Equipment Code: 775
Equipment Description: JARREL ASH ICP

The following samples were analyzed for QUALITY COMPLIANCE along with normal FIELD samples.

These results meet WOHL Lab Quality Control criteria.

---------- CORRECT ----------
REPORTED VALUES ARE CORRECT FOR SAMPLES: 78433 AND 78434
Results are within 1 standard deviation.

Q-C Sample#	Reported Value(R)	Actual Value(A)	Units	Ratio (R/A)	Std Dev	S-Code	Substance Name
78433	66.548	64.900	ug/fil	1.0254	1	490	Cadmium by ICP
78433	68.065	64.900	ug/fil	1.0488	1	690	Chromium by ICP
78433	108.048	108.100	ug/fil	.9995	1	730	Copper by ICP
78433	108.753	108.100	ug/fil	1.0060	1	1591	Lead by ICP
78433	65.507	64.900	ug/fil	1.0094	1	1620	Manganese by ICP
78433	110.467	108.100	ug/fil	1.0219	1	1840	Nickel by ICP
78433	165.630	166.400	ug/fil	.9954	1	I200	Iron by ICP
78433	131.065	129.700	ug/fil	1.0105	1	Z100	Zinc by ICP
78434	50.792	48.600	ug/fil	1.0451	1	490	Cadmium by ICP
78434	51.493	48.600	ug/fil	1.0595	1	690	Chromium by ICP
78434	82.820	81.100	ug/fil	1.0212	1	730	Copper by ICP
78434	83.217	81.100	ug/fil	1.0261	1	1591	Lead by ICP
78434	49.768	48.600	ug/fil	1.0240	1	1620	Manganese by ICP
78434	84.145	81.100	ug/fil	1.0375	1	1840	Nickel by ICP
78434	128.212	124.800	ug/fil	1.0273	1	I200	Iron by ICP
78434	99.997	97.300	ug/fil	1.0277	1	Z100	Zinc by ICP

The Quality Control limits are calculated based on 1, 2, and 3 STANDARD DEVIATIONS derived from historical data for a particular analyte. The MEAN values are adjusted to 1 in order to avoid any positive or negative bias.

KEY : COLUMN HEADINGS

Q-C Sample# : Laboratory prepared Quality Control sample number.
Reported Value : Analyst's results.
Actual Value : Amount of analyte applied to the QC sample.
Ratio : Ratio of Reported/Actual.
Std Dev : Number of Standard Deviations from the MEAN value.
S-Code : Substance (analyte) code.

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WOHL Detection & Quantitation Limits For ICP Metals (ug/sample)

Element	Method Detection Limit			Method Quantitation Limit		
	25mL	50mL	100mL	25mL	50mL	100mL
Aluminum	2.775	5.55	11.1	9.25	18.5	37
Antimony	0.45	0.9	1.8	1.5	3	6
Arsenic	0.225	0.45	0.9	0.75	1.5	3
Barium	0.045	0.09	0.18	0.15	0.3	0.6
Beryllium	0.0188	0.0375	0.075	0.0625	0.125	0.25
Bismuth	0.625	1.25	2.5	2.125	4.25	8.5
Boron	0.235	0.47	0.94	0.7075	1.415	2.83
Cadmium	0.0925	0.185	0.37	0.3	0.6	1.2
Calcium	2.475	4.95	9.9	8.25	16.5	33
Chromium	0.225	0.45	0.9	0.75	1.5	3
Cobalt	0.075	0.15	0.3	0.275	0.55	1.1
Copper	0.50	1.0	2.0	1.5	3.0	6.0
Gallium	1.125	2.25	4.5	3.75	7.5	15
Iron	1.75	3.5	7.0	5.0	10	20
Lead	0.3	0.6	1.2	0.875	1.75	3.5
Magnesium	1.175	2.35	4.7	3.5	7	14
Manganese	0.03	0.06	0.12	0.1	0.2	0.4
Molybdenum	0.18	0.36	0.72	0.6	1.2	2.4
Nickel	0.3	0.6	1.2	0.975	1.95	3.9
Phosphorous	7.5	15	30	25	50	100
Platinum	0.112	0.225	0.45	0.375	0.75	1.5
Potassium	207.5	415	830	625	1250	2500
Selenium	0.5	1	2	1.7	3.4	6.8
Silver	0.095	0.19	0.38	0.325	0.65	1.3
Sodium	10	20	40	30	60	120
Strontium	0.045	0.09	0.18	0.15	0.3	0.6
Sulfur	5.7	11.4	22.8	18.975	37.95	75.9
Tellurium	3.75	7.5	15	12.5	25	50
Thallium	0.225	0.45	0.9	0.75	1.5	3
Tin	0.375	0.75	1.5	1.25	2.5	5
Titanium	0.12	0.24	0.48	0.4	0.8	1.6
Tungsten	3.75	7.5	15	12.5	25	50
Vanadium	0.075	0.15	0.3	0.25	0.5	1
Zinc	0.55	1.1	2.2	1.65	3.3	6.6
Zirconium	1.875	3.75	7.5	6.25	12.5	25

WOHL Wisconsin Occupational Health Laboratory

Mail:
P.O. Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403

Packages:
2601 Agriculture Dr.
Madison, WI 53718
Fax: (608) 224-6213

Wisconsin State Laboratory of Hygiene University of Wisconsin

RECEIVED
DEC 2 1999

November 30, 1999

MARK GOUCH
ERM - WOODBURY
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

EARTH TECH
Company #: 4044

PROJ DZUS FASTENERS
EN0090001

The results for the samples received by the lab on 11/22/99 are as follows:

Lab#	Field#	ug/sample	MG/M3	Analyte
795868	111199A251PM	ND <45	ND <0.028	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
795869	111199A252PM	ND <45	ND <0.028	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
795870	111199A253PM	ND <45	ND <0.028	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
795871	111199A254PM	55	0.034	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
795872	111299A251PM	ND <45	ND <0.027	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
795873	111299A252PM	53	0.031	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
795874	111299A253PM	57	0.034	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
795875	111299A254PM	105	0.063	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
795876	111599A251PM	98	0.065	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
795877	111599A252PM	67	0.044	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
795878	111599A253PM	ND <45	ND <0.028	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

WOHL Wisconsin Occupational Health Laboratory

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Wisconsin State Laboratory of Hygiene

University of Wisconsin

PROJ DZUS FASTENERS
EN0090001

Lab#	Field#	ug/sample	MG/M3	Analyte
795879	111599A254PM	82	0.052	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
795880	111699A251PM	120	0.074	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
795881	111699A252PM	ND <45	ND <0.028	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
795882	111699A253PM	215	0.130	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
795883	111699A254PM	126	0.076	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
795884	111799A251PM	ND <45	ND <0.027	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
795885	111799A252PM	ND <45	ND <0.027	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
795886	111799A253PM	ND <45	ND <0.027	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
795887	111799A254PM	ND <45	ND <0.026	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

Report contains 2 page(s).

If you have any questions about these results, please call the lab at (800) 446-0403

LeRoy Dobson, Advanced Chemist

Curtis J Hedman

Curtis J Hedman

WOHL Wisconsin Occupational Health Laboratory

Mail:
P.O. Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403

Packages:
2601 Agriculture Dr.
Madison, WI 53718
Fax: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

November 30, 1999 4644

MARK GOUCH
ERM - WOODBURY
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

WEIGHT AND ICAP METALS

Samples are analyzed for weight by WOHL in-house method based on NIOSH 0500 and 0600 and for ICP metals by WOHL in-house method based on NIOSH 7300 and OSHA ID 125G.

Air samples are collected on PVC preweighed filters. Upon return to the lab, the filters are re-weighed on a Microbalance. The total weight is the difference between the final weight and the initial weight. The results are expressed as milligrams per cubic meter of air if the air collection volume was provided; otherwise as micrograms per sample. All results are blank corrected if a blank was provided unless otherwise noted in the comments section of the report. Limits of Detection for Total Weight results are as follows:

	Minimum Detection Limit (MDL)
Yellow band	53 ug/sample
Red band	45 ug/sample
Wood dust	30 ug/sample
25mm Red band	25 ug/sample

For metals, the re-weighed PVC filters were digested in an appropriate mixture of acids. Samples are made up to a total volume of 25mls unless otherwise noted in the comments section of the report. An aliquot of the sample was analyzed for various elements using an Inductively Coupled Argon Plasma Atomic Emission Spectrometer (ICAP-AES).

If air volumes are provided, results are expressed as mg/m3 or as ug/m3. If air volumes are not provided, results are expressed as ug/sample or as ng/sample. If the air samples represent a welding soldering or brazing operation, the results are reported either as metals fumes or metal oxide fumes. Metal oxide conversion factors used to convert elemental values of calcium, magnesium and zinc into their respective oxides are 1.4, 1.66 and 1.246.

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WEIGHT AND ICAP METALS

***** Please note that Iron oxide results are reported as Fe. This
***** value is directly comparable to the TLV and the 1989 PEL.
***** However the current PEL is as Fe2O3. To compare the result to
***** the current PEL, multiply the result by 1.43.

When a specific compound is requested its elemental form is quantified after accurately being extracted. An appropriate conversion factor is applied in order to convert the amount to the desired compound.

Unless otherwise noted, blanks provided with studies are subtracted according to the WOHL blank policy. If the blank for an element is less than the limit of detection for that element, then the blank is considered meaningless and not applied. If the blank value is above the limit of quantitation for that element, then the blank is considered contaminated and not applied. If the blank is between the limits of detection and quantitation, then the blank value is subtracted from the applicable samples in the study.

A <= symbol before a result indicates that the value was greater than detection but less than quantitation limits. The prefix ND before a result indicates that the value was less than the detection limit.

Limits of Quantitation and Detection for WOHL ICAP metals are available on the accompanying sheet and are expressed as ug/sample.

Curtis J Hedman	Analyst
LeRoy Dobson	Advanced Chemist

WOHL Wisconsin Occupational Health Laboratory

2601 Agriculture Drive
PO Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
FAX: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

WOHL Detection & Quantitation Limits For ICP Metals (ug/sample)

Element	Method Detection Limit 25mL	50mL	100mL	Method Quantitation Limit 25mL	50mL	100mL
Aluminum	2.775	5.55	11.1	9.25	18.5	37
Antimony	0.45	0.9	1.8	1.5	3	6
Arsenic	0.225	0.45	0.9	0.75	1.5	3
Barium	0.045	0.09	0.18	0.15	0.3	0.6
Beryllium	0.0188	0.0375	0.075	0.0625	0.125	0.25
Bismuth	0.625	1.25	2.5	2.125	4.25	8.5
Boron	0.235	0.47	0.94	0.7075	1.415	2.83
Cadmium	0.0825	0.185	0.37	0.3	0.6	1.2
Calcium	2.475	4.95	9.9	8.25	16.5	33
Chromium	0.225	0.45	0.9	0.75	1.5	3
Cobalt	0.075	0.15	0.3	0.275	0.55	1.1
Copper	0.50	1.0	2.0	1.5	3.0	6.0
Gallium	1.125	2.25	4.5	3.75	7.5	15
Iron	1.75	3.5	7.0	5.0	10	20
Lead	0.3	0.6	1.2	0.875	1.75	3.5
Magnesium	1.175	2.35	4.7	3.5	7	14
Manganese	0.03	0.06	0.12	0.1	0.2	0.4
Molybdenum	0.18	0.36	0.72	0.6	1.2	2.4
Nickel	0.3	0.6	1.2	0.975	1.95	3.9
Phosphorous	7.5	15	30	25	50	100
Platinum	0.112	0.225	0.45	0.375	0.75	1.5
Potassium	207.5	415	830	625	1250	2500
Selenium	0.5	1	2	1.7	3.4	6.8
Silver	0.095	0.19	0.38	0.325	0.65	1.3
Sodium	10	20	40	30	60	120
Strontium	0.045	0.09	0.18	0.15	0.3	0.6
Sulfur	5.7	11.4	22.8	18.975	37.95	75.9
Tellurium	3.75	7.5	15	12.5	25	50
Thallium	0.225	0.45	0.9	0.75	1.5	3
Tin	0.375	0.75	1.5	1.25	2.5	5
Titanium	0.12	0.24	0.48	0.4	0.8	1.6
Tungsten	3.75	7.5	15	12.5	25	50
Vanadium	0.075	0.15	0.3	0.25	0.5	1
Zinc	0.55	1.1	2.2	1.65	3.3	6.6
Zirconium	1.875	3.75	7.5	6.25	12.5	25

WOHL Wisconsin Occupational Health Laboratory

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2601 Agriculture Dr.
Madison, WI 53718
Fax: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

December 9, 1999

JEREMY WOLF
ERM - WOODBURY
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

Company #: 4644

PROJ DZUSFASTENERS
EN0090001

The results for the samples received by the lab on 12/02/99 are as follows:

Lab#	Field#	ug/sample	MG/M3	Analyte
797628	111899A251PM	ND <53	ND <0.050	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797629	111899A252PM	ND <53	ND <0.047	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797630	111899A253PM	ND <53	ND <0.047	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797631	111899A254PM	ND <53	ND <0.046	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797632	111999A251PM	ND <53	ND <0.036	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797633	111999A252PM	ND <53	ND <0.038	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797634	111999A253PM	ND <53	ND <0.036	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797635	111999A254PM	ND <53	ND <0.036	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797636	112099A251PM	ND <53	ND <0.049	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797637	112099A252PM	ND <53	ND <0.041	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797638	112099A253PM	ND <53	ND <0.041	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

WOHL Wisconsin Occupational Health Laboratory

Mail:
P.O. Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403

Packages:
2601 Agriculture Dr.
Madison, WI 537
Fax: (608) 224-62

Wisconsin State Laboratory of Hygiene

University of Wisconsin

PROJ DZUSFASTENERS
EN0090001

Lab#	Field#	ug/sample	MG/M3	Analyte
797639	112099A254PM	ND <53	ND <0.040	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797640	112199A251PM	ND <53	ND <0.049	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797641	112199A252PM	ND <53	ND <0.050	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797642	112199A253PM	ND <53	ND <0.050	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797643	112199A254PM	ND <53	ND <0.048	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797644	112499A251PM	ND <53	ND <0.049	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797645	112499A252PM	ND <53	ND <0.049	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797646	112499A253PM	ND <53	ND <0.049	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797647	112499A254PM	ND <53	ND <0.048	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797648	112999A251PM	ND <53	ND <0.057	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797649	112999A252PM	ND <53	ND <0.057	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797650	112999A253PM	ND <53	ND <0.057	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797651	112999A254PM	ND <53	ND <0.059	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797652	113099A251PM	ND <53	ND <0.037	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

WOHL Wisconsin Occupational Health Laboratory

Mail:
P.O. Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403

Packages:
2601 Agriculture Dr.
Madison, WI 53718
Fax: (608) 224-6213

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PROJ DZUSFASTENERS
EN0090001

Lab#	Field#	ug/sample	MG/M3	Analyte
797653	113099A252PM	202	0.145	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797654	113099A253PM	ND <53	ND <0.037	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)
797655	113099A254PM	67	0.047	Total Weight
		ND <0.093	ND <0.0001	Cadmium Dust (as Cd)

Comments: THE GRAVIMETRIC RESULTS HAVE NOT BEEN BLANK CORRECTED.

Report contains 3 page(s).

If you have any questions about these results, please call the lab at (800) 446-0403

Lyle Reichmann, CIH, Chemist Supervisor

Shakker Amer

Shakker Amer

#4644

Environmental Resources Management
175 Froehlich Farm Blvd. • Woodbury, NY 11797 • (516) 921-4300 • (516) 921-5637 (Fax)

Please fax results to Lorin Walicki (516) 921-2914
Brian Heneveld (516) 921-~~2914~~ 5637

Chain of Custody

Project Name / No. DZUS Fasteners / EN009.00.01
Project Coordinator / Contact Mark Gauch
Sampler(s) Jeremy Wolf
Bottles Supplied By WOHL
Sheet No. 01 of 02

9135N/MT
2 PYF
2

M (W)

Date	Time	Comp.	Grab	Sample Identification	Soil	Air	Water	Total No. of Containers	Type and No. of Containers	Duration (mins)	Flow Rate (L/m)	Volume (liters)	Analysis Requested
11/18/99	14:40			111899A251Pms 797628			V	1		350	3.0	1050	Total particulates & Cd
11/18/99	15:05			111899A252Pms 797629			V	1		375	3.0	1125	
11/18/99	14:55			111899A253Pms 797630			V	1		375	3.0	1125	
11/18/99	15:00			111899A254Pms 797631			V	1		380	3.0	1140	
11/19/99	17:00			111999A251Pms 797632			V	1		490	3.0	1470	
11/19/99	16:45			111999A252Pms 797633			V	1		465	3.0	1395	
11/19/99	16:55			111999A253Pms 797634			V	1		490	3.0	1470	
11/19/99	16:50			111999A254Pms 797635			V	1		485	3.0	1455	
11/20/99	15:20			112099A251Pms 797636			V	1		360	3.0	1080	
11/20/99	16:40			112099A252Pms 797637			V	1		430	3.0	1290	
11/20/99	16:45			112099A253Pms 797638			V	1		435	3.0	1305	
11/20/99	16:50			112099A254Pms 797639			V	1		440	3.0	1320	
11/21/99	15:55			112199A251Pms 797640			V	1		360	3.0	1080	
11/21/99	15:40			112199A252Pms 797641			V	1		355	3.0	1065	
11/21/99	15:40			112199A253Pms 797642			V	1		350	3.0	1050	

NiOSH Methods
1. Total particulates = 0600
2. Cadmium = 7300

1 week TAT

Relinquished By (Signature)	Date/Time	Received By (Signature)	Date/Time	Reason for Transfer
Jeremy Wolf	12/1/99 12:30	A McGary	DEC 02 1999	

146821

Environmental Resources Management Please fax results to Lorin Walicki (516) 921-2914

ERM 175 Froehlich Farm Blvd. • Woodbury, NY 11797 • (516) 921-4300 • (516) 921-5637 (Fax)

Brian Heneveld (516) 921-5637

Chain of Custody

Project Name / No. DZUS Fasteners / EN009.00.01

Project Coordinator / Contact Mark Douch

Sampler(s) Jeremy Wolf

Bottles Supplied By WOHL

Sheet No. 02 of 02

NIOSH Methods

1. Total particulates = 0600
2. Cadmium = 7300

1 week TAT required

Date	Time	Comp	Grab	Sample Identification	Soil + Air / Water	Total No. of Containers	Type and No. of Containers: Duration (mins)	Flow Rate (L/m)	Volume (Liters)	Analysis Requested
11/21/99	15:55			112199A254PMS797643		1	365	3.0	1095	Total Particulates & Cd
11/24/99	14:00			112499A251PMS797644		1	362	3.0	1086	
11/24/99	14:05			112499A252PMS797645		1	360	3.0	1080	
11/24/99	14:04			112499A253PMS797646		1	360	3.0	1080	
11/24/99	14:10			112499A254PMS797647		1	368	3.0	1104	
11/29/99	16:50			112999A251PMS797648		1	310	3.0	930	
11/29/99	16:50			112999A252PMS797649		1	310	3.0	930	
11/29/99	16:55			112999A253PMS797650		1	310	3.0	930	
11/29/99	16:45			112999A254PMS797651		1	300	3.0	900	
11/30/99	16:50			113099A251PMS797652		1	475	3.0	1425	
11/30/99	16:45			113099A252PMS797653		1	465	3.0	1395	
11/30/99	16:45			113099A253PMS797654		1	475	3.0	1425	
11/30/99	16:40			113099A254PMS797655		1	475	3.0	1425	

Relinquished By (Signature)	Date/Time	Received By (Signature)	Date/Time	Reason for Transfer
Jeremy Wolf	12/1/99 12:30	A McGarry	DEC 02 1999	

146621

WOHL Wisconsin Occupational Health Laboratory

Mail:
P.O. Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403

Packages:
2601 Agriculture Dr.
Madison, WI 5371
Fax: (608) 224-62

Wisconsin State Laboratory of Hygiene

University of Wisconsi

December 9, 1999 4644

JEREMY WOLF
ERM - WOODBURY
175 FROEHLICH FARM BLVD
WOODBURY NY 11797

WEIGHT AND ICAP METALS

Samples are analyzed for weight by WOHL in-house method based on NIOSH 0500 and 0600 and for ICP metals by WOHL in-house method based on NIOSH 7300 and OSHA ID 125G.

Air samples are collected on PVC preweighed filters. Upon return to the lab, the filters are re-weighed on a Microbalance. The total weight is the difference between the final weight and the initial weight. The results are expressed as milligrams per cubic meter of air if the air collection volume was provided; otherwise as micrograms per sample. All results are blank corrected if a blank was provided unless otherwise noted in the comments section of the report. Limits of Detection for Total Weight results are as follows:

Minimum Detection Limit
(MDL)

Yellow band	53 ug/sample
Red band	45 ug/sample
Wood dust	30 ug/sample
25mm Red band	25 ug/sample

For metals, the re-weighed PVC filters were digested in an appropriate mixture of acids. Samples are made up to a total volume of 25mls unless otherwise noted in the comments section of the report. An aliquot of the sample was analyzed for various elements using an Inductively Coupled Argon Plasma Atomic Emission Spectrometer (ICAP-AES).

If air volumes are provided, results are expressed as mg/m3 or as ug/m3. If air volumes are not provided, results are expressed as ug/sample or as ng/sample. If the air samples represent a welding soldering or brazing operation, the results are reported either as metals fumes or metal oxide fumes. Metal oxide conversion factors used to convert elemental values of calcium, magnesium and zinc into their respective oxides are 1.4, 1.66 and 1.246.

WOHL Wisconsin Occupational Health Laboratory

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Madison, WI 53707-7996
Phone: (800) 446-0403

Packages:
2601 Agriculture Dr.
Madison, WI 53718
Fax: (608) 224-6213

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WEIGHT AND ICAP METALS

***** Please note that Iron oxide results are reported as Fe. This
***** value is directly comparable to the TLV and the 1989 PEL.
***** However the current PEL is as Fe2O3. To compare the result to
***** the current PEL, multiply the result by 1.43.

When a specific compound is requested its elemental form is quantified after accurately being extracted. An appropriate conversion factor is applied in order to convert the amount to the desired compound.

Unless otherwise noted, blanks provided with studies are subtracted according to the WOHL blank policy. If the blank for an element is less than the limit of detection for that element, then the blank is considered meaningless and not applied. If the blank value is above the limit of quantitation for that element, then the blank is considered contaminated and not applied. If the blank is between the limits of detection and quantitation, then the blank value is subtracted from the applicable samples in the study.

A <= symbol before a result indicates that the value was greater than detection but less than quantitation limits. The prefix ND before a result indicates that the value was less than the detection limit.

Limits of Quantitation and Detection for WOHL ICAP metals are available on the accompanying sheet and are expressed as ug/sample.

Shakker Amer — Analyst

Lyle Reichmann, CIH — Chemist Supervisor

WOHL Wisconsin Occupational Health Laboratory

Mail:
P.O. Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403

Packages:
2601 Agriculture Dr
Madison, WI 53718
Fax: (608) 224-6213

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WOHL Detection & Quantitation Limits For ICP Metals (ug/sample).

Element	Method Detection Limit 25mL	50mL	100mL	Method Quantitation Limit 25mL	50mL	100mL
Aluminum	2.775	5.55	11.1	9.25	18.5	37
Antimony	0.45	0.9	1.8	1.5	3	6
Arsenic	0.225	0.45	0.9	0.75	1.5	3
Barium	0.045	0.09	0.18	0.15	0.3	0.6
Beryllium	0.0188	0.0375	0.075	0.0625	0.125	0.25
Bismuth	0.625	1.25	2.5	2.125	4.25	8.5
Boron	0.235	0.47	0.94	0.7075	1.415	2.83
Cadmium	0.0925	0.185	0.37	0.3	0.6	1.2
Calcium	2.475	4.95	9.9	8.25	16.5	33
Chromium	0.225	0.45	0.9	0.75	1.5	3
Cobalt	0.075	0.15	0.3	0.275	0.55	1.1
Copper	0.50	1.0	2.0	1.5	3.0	6.0
Gallium	1.125	2.25	4.5	3.75	7.5	15
Indium	0.375	0.75	1.5	1.25	2.5	5
Iron	1.75	3.5	7.0	5.0	10	20
Lead	0.3	0.6	1.2	0.875	1.75	3.5
Magnesium	1.175	2.35	4.7	3.5	7	14
Manganese	0.03	0.06	0.12	0.1	0.2	0.4
Molybdenum	0.18	0.36	0.72	0.6	1.2	2.4
Nickel	0.3	0.6	1.2	0.975	1.95	3.9
Phosphorous	7.5	15	30	25	50	100
Platinum	0.112	0.225	0.45	0.375	0.75	1.5
Potassium	207.5	415	830	625	1250	2500
Selenium	0.5	1	2	1.7	3.4	6.8
Silver	0.095	0.19	0.38	0.325	0.65	1.3
Sodium	10	20	40	30	60	120
Strontium	0.045	0.09	0.18	0.15	0.3	0.6
Sulfur	5.7	11.4	22.8	18.975	37.95	75.9
Tellurium	3.75	7.5	15	12.5	25	50
Thallium	0.225	0.45	0.9	0.75	1.5	3
Tin	0.375	0.75	1.5	1.25	2.5	5
Titanium	0.125	0.24	0.48	0.4	0.8	1.6
Tungsten	3.75	7.5	15	12.5	25	50
Vanadium	0.075	0.15	0.3	0.25	0.5	1
Zinc	0.55	1.1	2.2	1.65	3.3	6.6
Zirconium	1.875	3.75	7.5	6.25	12.5	25

WOHL Wisconsin Occupational Health Laboratory

Mail:
P.O. Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403

Packages:
2601 Agriculture Dr.
Madison, WI 53718
Fax: (608) 224-6213

Wisconsin State Laboratory of Hygiene

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LABORATORY QUALITY CONTROL REPORT

Chemist Initials: JL Analysis Date: 12 - 06 - 99 Equipment Code: 775
Equipment Description: JARREL ASH ICP

The following samples were analyzed for QUALITY COMPLIANCE along with normal FIELD samples.

These results meet WOHL Lab Quality Control criteria.

---------- CORRECT ----------
REPORTED VALUES ARE CORRECT FOR SAMPLES: 78757 AND 78758
Results are within 2 standard deviation.

Q-C Sample#	Reported Value(R)	Actual Value(A)	Units	Ratio (R/A)	Std Dev	S-Code	Substance Name
78757	12.987	12.000	ug/fil	1.0822	2	490	Cadmium by ICP
78757	78.285	72.000	ug/fil	1.0873	2	690	Chromium by ICP
78757	38.410	36.000	ug/fil	1.0669	1	730	Copper by ICP
78757	24.616	24.000	ug/fil	1.0257	1	1591	Lead by ICP
78757	223.090	204.200	ug/fil	1.0925	2	1620	Manganese by ICP
78757	13.270	12.000	ug/fil	1.1058	2	1840	Nickel by ICP
78757	200.281	186.800	ug/fil	1.0722	2	I200	Iron by ICP
78757	327.675	305.900	ug/fil	1.0712	2	Z100	Zinc by ICP
78758	25.425	24.000	ug/fil	1.0594	1	490	Cadmium by ICP
78758	153.018	144.000	ug/fil	1.0626	2	690	Chromium by ICP
78758	75.145	72.000	ug/fil	1.0437	1	730	Copper by ICP
78758	48.065	48.000	ug/fil	1.0014	1	1591	Lead by ICP
78758	443.675	408.500	ug/fil	1.0861	2	1620	Manganese by ICP
78758	25.780	24.000	ug/fil	1.0742	2	1840	Nickel by ICP
78758	391.911	373.600	ug/fil	1.0490	1	I200	Iron by ICP
78758	640.750	611.900	ug/fil	1.0471	1	Z100	Zinc by ICP

The Quality Control limits are calculated based on 1, 2, and 3 STANDARD DEVIATIONS derived from historical data for a particular analyte. The MEAN values are adjusted to 1 in order to avoid any positive or negative bias.

KEY : COLUMN HEADINGS

Q-C Sample# : Laboratory prepared Quality Control sample number.
Reported Value : Analyst's results.
Actual Value : Amount of analyte applied to the QC sample.
Ratio : Ratio of Reported/Actual.
Std Dev : Number of Standard Deviations from the MEAN value.
S-Code : Substance (analyte) code.

CONSTRUCTION CERTIFICATION REPORT

DZUS FASTENER SITE (OU2)

APPENDIX A

SYSTEM OPERATIONAL DATA

WEATHER STATION DATA

Downloaded Weather Station Data
DZUS FASTENERS
West Islip, NY

:start of data:									
Station: DZUSFASTENERS									
English Units									
Logging Period in minutes: 15									
Date and Time: 09/20/1999	11:00								
TIME	WS	WD	PK	BP	T1	RH1	T2	SR	RF
HH:MM	mph	deg	mph	in	F	%	F	W/m^2	in
Date	9/20/99								
11:00	6.3	174	14	30.79	70	62	-40	10	0
10:45	5.5	160	15	30.79	72	62	-40	10	0
10:30	4.3	152	13	30.79	71	65	-40	0	0
10:15	4.5	181	11	30.79	69	65	-40	0	0
10:00	3.9	205	10	30.79	69	68	-40	0	0
9:45	3.9	212	12	30.79	69	70	-40	10	0
9:30	3.3	191	10	30.79	69	69	-40	0	0
9:15	3.5	170	12	30.79	69	72	-40	10	0
9:00	0.8	170	7	30.79	69	75	-40	10	0
8:45	0.1	306	2	30.79	67	79	-40	10	0
8:30	0.3	306	2	30.79	65	84	-40	0	0
8:15	0.6	306	2	30.79	63	84	-40	10	0
8:00	0.2	306	2	30.79	62	85	-40	10	0
7:45	0.1	306	1	30.79	61	84	-40	10	0
7:30	0.3	306	2	30.79	61	85	-40	10	0
7:15	0	306	0	30.79	59	84	-40	10	0
7:00	0	306	1	30.79	59	84	-40	0	0
6:45	0.1	306	1	30.79	60	83	-40	10	0
6:30	1.3	306	4	30.79	60	82	-40	10	0
6:15	1.1	280	3	30.79	61	82	-40	10	0
6:00	0.3	210	2	30.79	61	80	-40	10	0
5:45	0.1	209	1	30.79	61	80	-40	10	0
5:30	0.2	207	2	30.79	61	79	-40	10	0
5:15	0	209	1	30.79	62	77	-40	0	0
5:00	0	209	0	30.79	63	75	-40	10	0
4:45	0	209	1	30.79	63	75	-40	0	0
4:30	0.3	209	2	30.79	64	73	-40	0	0
4:15	0.6	205	5	30.79	65	72	-40	10	0
4:00	1.4	217	8	30.79	66	72	-40	10	0
3:45	2.7	213	8	30.79	66	71	-40	10	0
3:30	2.5	177	9	30.79	66	71	-40	0	0
3:15	5.1	196	11	30.79	66	71	-40	0	0
3:00	3.4	174	10	30.79	66	71	-40	10	0
2:45	2.1	188	10	30.79	65	70	-40	0	0
2:30	4.5	178	11	30.79	66	70	-40	10	0
2:15	3.4	180	11	30.79	66	70	-40	10	0
2:00	2.6	171	8	30.79	65	71	-40	10	0
1:45	1.6	198	8	30.79	65	70	-40	10	0
1:30	2.1	191	11	30.79	66	69	-40	10	0
1:15	3.5	192	10	30.79	66	70	-40	10	0
1:00	3.7	187	13	30.79	66	70	-40	10	0
0:45	4.9	191	11	30.79	66	71	-40	0	0
0:30	4	180	12	30.79	65	70	-40	10	0
0:15	4.8	146	10	30.79	65	69	-40	10	0

Downloaded Weather Station Data
DZUS FASTENERS
West Islip, NY

0:00	2.9	174	11	30.79	65	68	-40	10	0
Date:	9/19/99								
23:45	4.8	173	13	30.79	65	68	-40	0	0
23:30	4.2	150	10	30.79	64	68	-40	0	0
23:15	2.6	164	8	30.79	64	67	-40	0	0
23:00	4.2	171	10	30.79	64	66	-40	10	0
22:45	4.5	181	13	30.79	64	66	-40	10	0
22:30	3.3	136	8	30.79	64	66	-40	0	0
22:15	4.3	178	12	30.79	64	67	-40	0	0
22:00	2.6	145	10	30.79	64	68	-40	10	0
21:45	3.8	167	11	30.79	64	69	-40	10	0
21:30	2.3	185	10	30.79	64	69	-40	10	0
21:15	2.2	200	8	30.79	64	69	-40	0	0
21:00	3.2	184	9	30.79	64	70	-40	0	0
20:45	2.3	173	10	30.79	64	70	-40	10	0
20:30	2	168	7	30.79	64	70	-40	0	0
20:15	1.6	187	6	30.79	64	70	-40	10	0
20:00	1.8	182	9	30.79	64	69	-40	10	0
19:45	0.9	207	5	30.79	64	67	-40	0	0
19:30	0	173	4	30.79	64	65	-40	10	0
19:15	0.6	168	5	30.79	65	63	-40	10	0
19:00	1	192	5	30.79	66	61	-40	0	0
18:45	3	150	8	30.79	67	59	-40	10	0
18:30	3	181	10	30.79	68	59	-40	10	0
18:15	4.1	232	8	30.79	69	60	-40	0	0
18:00	3.5	181	9	30.79	69	62	-40	0	0
17:45	3.6	173	9	30.79	69	62	-40	10	0
17:30	4.8	163	9	30.79	71	62	-40	10	0
17:15	4.3	171	13	30.79	71	62	-40	10	0
17:00	3.9	160	12	30.79	72	62	-40	10	0
16:45	5.2	217	11	30.79	72	62	-40	10	0
16:30	5.2	148	13	30.79	72	61	-40	0	0
16:15	6.7	206	14	30.79	71	62	-40	10	0
16:00	6.2	132	14	30.79	71	62	-40	0	0
15:45	6.1	187	12	30.79	72	60	-40	10	0
15:30	4.1	187	12	30.79	73	62	-40	10	0
15:15	4.8	223	11	30.79	72	61	-40	10	0
15:00	6	136	15	30.79	73	62	-40	10	0
14:45	4.2	166	13	30.79	73	61	-40	10	0
14:30	4.5	195	13	30.79	72	60	-40	0	0
14:15	4.3	170	13	30.79	73	59	-40	10	0
14:00	3.4	187	12	30.79	74	57	-40	0	0
13:45	5	78	12	30.79	73	57	-40	10	0
13:30	3.6	182	10	30.79	74	55	-40	0	0
13:15	2.9	153	10	30.79	74	55	-40	0	0
13:00	3.9	170	13	30.79	74	54	-40	0	0
12:45	1.2	142	9	30.79	75	55	-40	0	0
12:30	3.1	238	11	30.79	74	54	-40	10	0
12:15	1.8	148	10	30.79	75	54	-40	10	0
12:00	2.7	142	9	30.79	74	56	-40	0	0
11:45	2.5	150	9	30.79	73	61	-40	10	0
11:30	3.2	121	9	30.79	73	62	-40	0	0
11:15	2.8	143	11	30.79	73	61	-40	10	0
11:00	2.4	155	9	30.79	73	61	-40	10	0
10:45	2.3	150	9	30.79	73	60	-40	0	0
10:30	2	75	8	30.79	74	60	-40	10	0
10:15	1	142	7	30.79	74	59	-40	0	0

Downloaded Weather Station Data
DZUS FASTENERS
West Islip, NY

10:00	1.3	124	8	30.79	73	62	-40	10	0
9:45	1.8	156	7	30.79	72	64	-40	0	0
9:30	0.9	138	6	30.79	71	67	-40	10	0
9:15	2.5	25	6	30.79	69	69	-40	10	0
9:00	2.5	64	6	30.79	67	72	-40	10	0
8:45	2.3	15	5	30.79	66	77	-40	0	0
8:30	1.1	3	5	30.79	64	81	-40	0	0
8:15	1.9	18	5	30.79	63	86	-40	0	0
8:00	2.1	53	5	30.79	59	89	-40	0	0
7:45	2	28	5	30.79	57	89	-40	10	0
7:30	1.2	35	4	30.79	55	89	-40	10	0
7:15	1.4	3	3	30.79	53	90	-40	10	0
7:00	0.7	3	2	30.79	52	90	-40	10	0
6:45	1.4	3	2	30.79	52	90	-40	10	0
6:30	1	3	2	30.79	52	89	-40	0	0
6:15	0.5	4	2	30.79	52	89	-40	10	0
6:00	1.4	4	3	30.79	52	89	-40	10	0
5:45	1.3	4	3	30.79	52	90	-40	10	0
5:30	1.5	6	3	30.79	52	90	-40	10	0
5:15	1.5	3	2	30.79	52	90	-40	0	0
5:00	2.3	3	12	30.79	52	89	-40	10	0
4:45	1.5	1	2	30.79	52	89	-40	10	0
4:30	1.5	1	2	30.79	52	90	-40	10	0
4:15	1.9	3	3	30.79	52	90	-40	10	0
4:00	1.5	21	2	30.79	52	89	-40	0	0
3:45	1.6	21	2	30.79	52	89	-40	0	0
3:30	1.5	22	2	30.79	52	87	-40	0	0
3:15	1.7	22	3	30.79	52	88	-40	0	0
3:00	0.5	29	2	30.79	52	88	-40	0	0
2:45	1.4	29	2	30.79	53	87	-40	10	0
2:30	1	29	2	30.79	53	88	-40	0	0
2:15	1.3	29	2	30.79	54	87	-40	0	0
2:00	1.4	29	2	30.79	54	87	-40	10	0
1:45	1.1	29	2	30.79	54	87	-40	0	0
1:30	1.2	29	2	30.79	54	86	-40	10	0
1:15	1.2	29	2	30.79	54	86	-40	0	0
1:00	1.6	29	2	30.79	55	85	-40	10	0
0:45	1.1	29	3	30.79	55	85	-40	0	0
0:30	1.2	29	2	30.79	55	85	-40	0	0
0:15	0.5	29	2	30.79	55	84	-40	10	0
0:00	0.2	29	1	30.79	55	84	-40	0	0
Date:	9/18/99								
23:45	0	29	0	30.79	55	83	-40	10	0
23:30	0	29	0	30.79	55	82	-40	0	0
23:15	0.5	29	2	30.79	57	81	-40	0	0
23:00	1.6	29	2	30.79	57	80	-40	10	0
22:45	0.1	29	1	30.79	57	80	-40	10	0
22:30	0.7	31	1	30.79	58	80	-40	10	0
22:15	1.2	31	4	30.79	58	80	-40	10	0
22:00	1.3	19	5	30.79	58	79	-40	0	0
21:45	0.9	283	3	30.79	58	77	-40	0	0
21:30	0.6	283	3	30.79	58	76	-40	10	0
21:15	0	280	0	30.79	58	75	-40	10	0
21:00	0	280	0	30.79	58	73	-40	0	0
20:45	0	280	0	30.79	59	71	-40	10	0
20:30	0	280	0	30.79	60	68	-40	0	0
20:15	0	280	0	30.79	61	65	-40	10	0

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West Islip, NY

20:00	0	281	0	30.79	61	62	-40	0	0
*19:45	0	281	0	30.79	63	60	-40	0	0
19:30	0	283	0	30.79	64	56	-40	10	0
19:15	0	283	2	30.79	66	52	-40	10	0
19:00	0.7	281	4	30.79	67	47	-40	10	0
18:45	4.5	305	6	30.79	71	43	-40	0	0
18:30	3.8	296	8	30.79	71	43	-40	10	0
18:15	5.4	292	11	30.79	72	42	-40	10	0
18:00	5.6	290	10	30.79	71	43	-40	10	0
17:45	6.4	291	11	30.79	72	41	-40	10	0
17:30	7.4	295	15	30.79	73	41	-40	0	0
17:15	6.4	315	11	30.79	74	41	-40	10	0
17:00	6.7	292	11	30.79	74	40	-40	0	0
16:45	7	295	14	30.79	73	41	-40	10	0
16:30	6.2	264	13	30.79	74	41	-40	10	0
16:15	6.9	323	16	30.79	73	42	-40	10	0
16:00	7.3	285	16	30.79	73	41	-40	0	0
15:45	7.2	281	19	30.79	73	43	-40	0	0
15:30	8.5	319	16	30.79	72	42	-40	0	0
15:15	8.2	298	17	30.79	72	41	-40	0	0
15:00	6.9	288	15	30.79	73	41	-40	10	0
14:45	6.9	331	15	30.79	71	43	-40	10	0
14:30	9.7	299	18	30.79	71	46	-40	0	0
14:15	8.4	320	13	30.79	71	45	-40	0	0
14:00	7.6	292	21	30.79	71	45	-40	10	0
13:45	9.5	315	17	30.79	70	46	-40	10	0
13:30	9.3	338	17	30.79	70	46	-40	0	0
13:15	9.8	312	20	30.79	69	48	-40	10	0
13:00	8.9	310	17	30.79	69	49	-40	10	0
12:45	8.8	302	15	30.79	69	49	-40	10	0
12:30	8.6	323	19	30.79	69	47	-40	10	0
12:15	10.6	315	18	30.79	69	48	-40	0	0
12:00	8.2	287	18	30.79	69	47	-40	0	0
11:45	8.5	292	17	30.79	68	48	-40	10	0
11:30	9.4	244	18	30.79	67	50	-40	10	0
11:15	8.8	290	21	30.79	67	51	-40	0	0
11:00	9.1	273	15	30.79	67	54	-40	10	0
10:45	7.6	296	15	30.79	67	56	-40	0	0
10:30	8.4	319	15	30.79	66	58	-40	0	0
10:15	7.7	258	16	30.79	66	59	-40	0	0
10:00	8	269	15	30.79	65	60	-40	10	0
9:45	5.3	262	13	30.79	65	62	-40	0	0
9:30	5.2	295	13	30.79	64	64	-40	0	0
9:15	7.2	291	14	30.79	63	66	-40	10	0
9:00	5.8	280	14	30.79	63	68	-40	0	0
8:45	5.4	260	11	30.79	62	70	-40	10	0
8:30	8.2	294	15	30.79	60	73	-40	10	0
8:15	4.4	269	12	30.79	60	75	-40	10	0
8:00	4.1	283	11	30.79	58	78	-40	0	0
7:45	3.6	205	9	30.79	55	81	-40	10	0
7:30	2.9	269	10	30.79	55	82	-40	10	0
7:15	2.7	299	6	30.79	53	83	-40	10	0
7:00	1.4	271	4	30.79	52	82	-40	10	0
6:45	1.3	252	4	30.79	52	81	-40	10	0
6:30	2.1	244	6	30.79	53	81	-40	10	0
6:15	1.9	264	6	30.79	53	82	-40	10	0
6:00	1.5	258	5	30.79	53	81	-40	10	0

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DZUS FASTENERS
West Islip, NY

5:45	2.2	267	6	30.79	53	81	-40	10	0
5:30	1.9	276	6	30.79	53	81	-40	0	0
5:15	0.7	255	5	30.79	52	80	-40	10	0
5:00	0.7	298	2	30.79	52	79	-40	10	0
4:45	0.5	277	3	30.79	53	77	-40	10	0
4:30	1.8	273	5	30.79	54	76	-40	10	0
4:15	2.8	271	6	30.79	55	76	-40	10	0
4:00	2.1	273	6	30.79	55	75	-40	0	0
3:45	3.3	266	6	30.79	55	74	-40	10	0
3:30	3.6	277	8	30.79	56	73	-40	10	0
3:15	3.1	281	7	30.79	57	72	-40	10	0
3:00	3.8	277	10	30.79	57	72	-40	0	0
2:45	3.8	302	10	30.79	57	71	-40	0	0
2:30	5.2	305	10	30.79	57	71	-40	0	0
2:15	2.1	294	6	30.79	57	71	-40	0	0
2:00	1.9	305	8	30.79	57	69	-40	0	0
1:45	3.5	276	9	30.79	58	69	-40	10	0
1:30	4.4	276	9	30.79	58	68	-40	10	0
1:15	5	288	11	30.79	58	66	-40	0	0
1:00	6.2	294	11	30.79	59	65	-40	0	0
0:45	6.4	295	11	30.79	59	66	-40	0	0
0:30	5.8	263	14	30.79	59	64	-40	10	0
0:15	6	280	15	30.79	59	65	-40	10	0
0:00	6.9	280	12	30.79	60	63	-40	0	0
Date:	9/17/99								
23:45	5.4	295	11	30.79	60	62	-40	10	0
23:30	4.3	301	10	30.79	60	62	-40	10	0
23:15	3.4	298	9	30.79	60	61	-40	10	0
23:00	7.2	278	14	30.79	61	60	-40	0	0
22:45	6.7	281	12	30.79	61	59	-40	10	0
22:30	6.6	294	15	30.79	61	58	-40	10	0
22:15	8.2	298	17	30.79	61	58	-40	0	0
22:00	7.1	285	15	30.79	61	59	-40	10	0
21:45	4.8	281	10	30.79	61	58	-40	0	0
21:30	4	273	8	30.79	61	58	-40	10	0
21:15	6.3	269	12	30.79	62	56	-40	0	0
21:00	8	299	15	30.79	63	55	-40	10	0
20:45	8.8	302	15	30.79	63	54	-40	0	0
20:30	13.4	310	22	30.79	64	51	-40	10	0
20:15	14.5	295	32	30.79	65	50	-40	10	0
20:00	12	301	21	30.79	65	51	-40	10	0
19:45	10.6	309	25	30.79	65	51	-40	0	0
19:30	13.1	299	26	30.79	65	51	-40	0	0
19:15	12.4	302	25	30.79	66	49	-40	0	0
19:00	14.1	313	23	30.79	66	48	-40	0	0
18:45	13.8	322	29	30.79	67	47	-40	0	0
18:30	14.7	299	27	30.79	67	45	-40	0	0
18:15	19.1	301	30	30.79	68	45	-40	0	0
18:00	21	280	34	30.79	68	45	-40	0	0
17:45	18.7	277	32	30.79	68	45	-40	0	0
17:30	17.4	290	30	30.79	69	42	-40	10	0
17:15	18.3	296	35	30.79	70	43	-40	10	0
17:00	20.8	270	34	30.79	70	43	-40	10	0
16:45	20.6	331	34	30.79	71	41	-40	0	0
16:30	17.1	281	28	30.79	71	42	-40	0	0
16:15	22.3	312	44	30.79	71	42	-40	10	0
16:00	19.3	281	37	30.79	71	43	-40	0	0

Downloaded Weather Station Data
DZUS FASTENERS
West Islip, NY

	WS	WD	PK	BP	TI	RHI			RF
15:45	19	234	36	30.79	71	44	-40	10	0
15:30	17.9	309	35	30.79	70	44	-40	0	0
15:15	20.8	295	42	30.79	69	45	-40	10	0
15:00	19.8	280	34	30.79	69	46	-40	10	0
14:45	20.4	290	34	30.79	69	46	-40	0	0
14:30	17.9	292	33	30.79	69	46	-40	0	0
14:15	22.8	313	41	30.79	69	45	-40	10	0
14:00	21.7	29	40	30.79	69	46	-40	0	0
13:45	20.1	303	34	30.79	68	47	-40	0	0
13:30	22	323	39	30.79	68	47	-40	10	0
13:15	22.3	291	46	30.79	67	47	-40	10	0
13:00	25.7	285	39	30.79	67	47	-40	0	0
12:45	19.8	323	37	30.79	67	48	-40	10	0
12:30	19.7	284	39	30.79	66	49	-40	0	0
12:15	21.6	315	44	30.79	66	49	-40	0	0
12:00	24.8	288	43	30.79	66	51	-40	0	0
11:45	23.4	333	40	30.79	65	51	-40	10	0
11:30	18.8	302	40	30.79	66	52	-40	0	0
11:15	20.9	11	37	30.79	65	54	-40	10	0
11:00	23	303	37	30.79	64	54	-40	10	0
10:45	20.8	331	36	30.79	64	57	-40	10	0
10:30	21.5	309	36	30.79	64	57	-40	10	0
10:15	20.1	295	42	30.79	64	58	-40	10	0
10:00	21.3	291	44	30.79	63	58	-40	0	0
9:45	19.9	266	36	30.79	63	60	-40	10	0
9:30	20.2	288	35	30.79	63	61	-40	10	0
9:15	16.3	292	33	30.79	62	62	-40	0	0
9:00	18.3	333	35	30.79	62	62	-40	0	0
8:45	20.1	295	35	30.79	61	62	-40	0	0
8:30	19	320	35	30.79	61	62	-40	0	0
8:15	19.5	276	37	30.79	61	63	-40	0	0
8:00	12.7	341	29	30.79	61	66	-40	10	0
7:45	16	270	35	30.79	60	67	-40	10	0
7:30	16.9	310	27	30.79	60	69	-40	0	0
7:15	16.5	274	33	30.79	60	70	-40	10	0
7:00	14.6	287	32	30.79	60	71	-40	10	0
6:45	18.5	299	31	30.79	60	72	-40	0	0
6:30	16	290	30	30.79	60	74	-40	0	0
6:15	15.5	269	31	30.79	60	76	-40	0	0
6:00	14.1	303	27	30.79	60	78	-40	0	0
5:45	12.7	266	29	30.79	60	79	-40	10	0
5:30	17.5	312	34	30.79	60	80	-40	10	0
5:15	13.1	306	32	30.79	61	82	-40	0	0
5:00	14.7	296	31	30.79	61	84	-40	10	0
4:45	13.3	276	37	30.79	60	85	-40	10	0
4:30	15.9	301	36	30.79	60	88	-40	10	0
4:15	14.3	305	29	30.79	60	90	-40	0	0
4:00	10.9	235	33	30.79	60	91	-40	10	0
3:45	10.8	281	27	30.79	60	93	-40	10	0
3:30	11.9	285	33	30.79	60	97	-40	0	0
3:15	8.9	241	23	30.79	59	99	-40	0	0
3:00	11.1	207	23	30.79	58	99	-40	0	0
2:45	9	335	23	30.79	58	99	-40	10	0
2:30	9.2	278	26	30.79	57	99	-40	0	0
2:15	12.4	317	24	30.79	57	99	-40	10	0
2:00	11.2	306	29	30.79	58	99	-40	10	0
1:45	7.5	269	23	30.79	58	99	-40	10	0 01

Downloaded Weather Station Data
DZUS FASTENERS
West Islip, NY

	WS	WD	PK	BP	TI	RHI			RF
1:30	7.6	299	19	30.79	59	99	-40	10	0
1:15	11.2	260	23	30.79	59	99	-40	10	0
1:00	14.8	305	29	30.78	59	99	-40	0	0
0:45	14.3	323	32	30.76	59	99	-40	10	0
0:30	15.9	302	24	30.75	58	99	-40	10	0
0:15	12.1	309	23	30.72	58	99	-40	0	0
0:00	12.1	287	28	30.7	60	99	-40	0	0
Date:	9/16/99								
23:45	11.1	292	26	30.68	60	99	-40	0	0
23:30	16.1	296	30	30.65	61	99	-40	0	0
23:15	15.2	296	27	30.62	61	99	-40	0	0
23:00	12.7	320	22	30.6	61	99	-40	10	0
22:45	14.5	294	31	30.57	61	99	-40	0	0
22:30	14.4	298	23	30.54	61	99	-40	10	0
22:15	15.6	322	26	30.49	62	99	-40	10	0
22:00	16.6	337	31	30.45	62	99	-40	0	0
21:45	18.9	315	34	30.42	63	99	-40	0	0
21:30	15.1	301	32	30.41	65	99	-40	10	0
21:15	3.1	287	13	30.37	71	99	-40	10	0
21:00	4.5	207	14	30.35	71	99	-40	10	0
20:45	10.2	160	25	30.33	71	99	-40	10	0
20:30	11.8	193	24	30.32	70	99	-40	0	0
20:15	9.5	85	27	30.34	70	99	-40	0	0
20:00	8.8	184	31	30.36	70	99	-40	0	0
19:45	10.6	143	25	30.38	70	99	-40	10	0
19:30	8.7	88	31	30.41	70	99	-40	10	0
19:15	9	239	27	30.43	70	99	-40	10	0
19:00	9.6	96	35	30.45	71	99	-40	10	0
18:45	10	102	31	30.48	71	99	-40	0	0
18:30	12	29	40	30.5	71	99	-40	10	0
18:15	10.7	75	29	30.52	72	99	-40	0	0
18:00	10.9	173	41	30.53	72	99	-40	0	0
17:45	9	43	30	30.57	73	99	-40	10	0.05
17:30	7.3	168	20	30.59	74	99	-40	0	0
17:15	7.5	124	29	30.62	74	99	-40	0	0
17:00	6.9	93	28	30.65	74	99	-40	0	0
16:45	6.1	152	22	30.69	74	99	-40	0	0
16:30	7.5	114	31	30.71	74	99	-40	0	0.01
16:15	7	142	24	30.74	74	99	-40	10	0.07
16:00	5.9	92	19	30.77	74	99	-40	0	0.09
15:45	5.7	113	21	30.79	74	99	-40	10	0.07
15:30	5.2	111	33	30.79	74	99	-40	10	0
15:15	6.9	131	21	30.79	74	99	-40	10	0
15:00	7.2	113	20	30.79	74	99	-40	0	0
14:45	5.6	97	20	30.79	74	99	-40	0	0
14:30	5.6	205	23	30.79	74	99	-40	0	0
14:15	6	117	17	30.79	73	99	-40	0	0
14:00	6.9	99	16	30.79	74	99	-40	10	0
13:45	7.6	88	20	30.79	73	99	-40	0	0.07
13:30	6.9	85	19	30.79	73	99	-40	0	0.13
13:15	6.5	132	22	30.79	73	99	-40	10	0.03
13:00	6.1	153	16	30.79	73	99	-40	10	0.04
12:45	5.4	50	19	30.79	72	99	-40	0	0.01
12:30	6.8	166	26	30.79	72	99	-40	10	0.05
12:15	11.5	95	28	30.79	71	99	-40	0	0.01
12:00	7.8	75	25	30.79	71	99	-40	10	0
11:45	7.8	139	20	30.79	71	99	-40	10	0.01

Downloaded Weather Station Data
DZUS FASTENERS
West Islip, NY

	WS	WD	PK	BP	TI	RHI			RF
11:30	12.2	68	29	30.79	70	99	-40	10	0.01
11:15	7.1	128	25	30.79	69	99	-40	10	0.05
11:00	8	61	28	30.79	69	99	-40	10	0.01
10:45	6.1	88	23	30.79	68	99	-40	10	0.06
10:30	5.8	90	18	30.79	67	99	-40	0	0.2
10:15	7.9	72	24	30.79	67	99	-40	0	0.21
10:00	6	19	16	30.79	67	99	-40	10	0.06
9:45	8.6	103	23	30.79	67	99	-40	0	0.01
9:30	8.8	77	23	30.79	66	99	-40	0	0.02
9:15	6.5	40	19	30.79	66	99	-40	0	0.07
9:00	9.5	96	22	30.79	66	99	-40	0	0.04
8:45	7.7	70	17	30.79	66	99	-40	10	0.05
8:30	6.9	42	16	30.79	66	99	-40	0	0.03
8:15	6.4	33	14	30.79	66	99	-40	0	0.06
8:00	5.7	78	16	30.79	66	99	-40	0	0.06
7:45	5.3	92	14	30.79	66	99	-40	10	0.07
7:30	6.1	163	15	30.79	66	99	-40	10	0.06
7:15	5.3	10	14	30.79	66	99	-40	10	0.02
7:00	6.5	106	15	30.79	66	99	-40	10	0.12
6:45	8.6	74	18	30.79	65	99	-40	0	0.07
6:30	7.2	40	26	30.79	66	99	-40	10	0.02
6:15	7.5	110	19	30.79	66	99	-40	10	0.03
6:00	5.8	116	14	30.79	66	99	-40	10	0.1
5:45	4.1	117	10	30.79	66	99	-40	10	0.08
5:30	4.4	110	11	30.79	66	99	-40	10	0.01
5:15	6.7	71	14	30.79	66	99	-40	10	0.02
5:00	6.5	68	15	30.79	66	99	-40	10	0.03
4:45	4.6	68	18	30.79	66	99	-40	10	0
4:30	5.1	18	12	30.79	65	99	-40	10	0.01
4:15	5.7	31	13	30.79	66	99	-40	10	0.03
4:00	4.4	46	15	30.79	66	99	-40	10	0.02
3:45	3.7	42	11	30.79	66	99	-40	10	0.02
3:30	3.7	102	12	30.79	66	99	-40	0	0.01
3:15	3.6	58	11	30.79	66	99	-40	10	0.01
3:00	4.7	65	14	30.79	66	99	-40	10	0.02
2:45	3.7	78	13	30.79	66	99	-40	0	0.01
2:30	3.9	117	9	30.79	66	99	-40	0	0
2:15	4	86	10	30.79	66	99	-40	10	0.01
2:00	4.8	93	12	30.79	66	99	-40	10	0.02
1:45	4.5	82	15	30.79	67	99	-40	0	0.01
1:30	4.4	107	11	30.79	67	99	-40	10	0.02
1:15	3.6	68	12	30.79	66	99	-40	10	0.02
1:00	3.5	116	11	30.79	66	99	-40	0	0.02
0:45	3.5	97	9	30.79	66	99	-40	10	0.02
0:30	3.5	81	7	30.79	66	99	-40	0	0.01
0:15	4.2	72	7	30.79	66	99	-40	0	0.01
0:00	3.4	15	10	30.79	66	99	-40	10	0.01
Date:	9/15/99								
23:45	3.6	49	11	30.79	66	99	-40	10	0.01
23:30	3	57	10	30.79	66	99	-40	0	0.01
23:15	3.5	38	8	30.79	66	99	-40	0	0
23:00	3.2	43	8	30.79	66	99	-40	10	0.01
22:45	4.1	22	9	30.79	66	99	-40	10	0.01
22:30	3.8	65	9	30.79	67	99	-40	0	0.01
22:15	1.9	67	5	30.79	67	99	-40	0	0.02
22:00	1.1	11	6	30.79	67	99	-40	10	0.01
21:45	1.6	70	6	30.79	66	99	-40	10	0.02

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	WS	WD	PK	BP	TI	RHI			RF
21:30	3	46	7	30.79	66	99	-40	10	0 01
21:15	2.3	42	6	30.79	66	99	-40	0	0.01
21:00	2.3	63	6	30 79	66	99	-40	0	0 01
20:45	2.9	70	5	30.79	66	99	-40	0	0.02
20:30	3	72	7	30.79	66	99	-40	10	0 01
20:15	4.1	54	10	30.79	66	99	-40	10	0.01
20:00	2.7	13	8	30.79	66	99	-40	10	0 02
19:45	3.4	36	8	30.79	66	99	-40	0	0.01
19:30	2.9	57	7	30.79	66	90	-40	0	0 01
19:15	3.3	18	8	30.79	66	90	-40	0	0.01
19:00	4.4	19	9	30.79	66	90	-40	0	0 01
18:45	4.6	25	8	30.79	66	89	-40	10	0 01
18:30	4	7	11	30.79	66	88	-40	0	0 02
18:15	4.2	32	10	30.79	66	87	-40	0	0 03
18:00	4.1	13	9	30.79	66	87	-40	10	0 03
17:45	4.7	15	11	30.79	67	87	-40	0	0.01
17:30	4.6	50	9	30.79	67	87	-40	0	0.01
17:15	5.4	75	10	30.79	67	85	-40	10	0.01
17:00	4.7	10	10	30.79	67	84	-40	10	0
16:45	4.2	347	9	30.79	67	84	-40	10	0
16:30	4.5	29	10	30.79	67	84	-40	10	0.01
16:15	4.3	86	8	30.79	67	82	-40	10	0.02
16:00	3.5	79	8	30.79	68	81	-40	10	0.01
15:45	3.4	47	8	30.79	69	80	-40	10	0
15:30	4.1	47	10	30.79	69	80	-40	0	0
15:15	4.8	19	9	30.79	69	80	-40	10	0
15:00	4.8	354	9	30.79	69	79	-40	0	0
14:45	5.2	1	10	30.79	69	79	-40	10	0
14:30	5.1	22	11	30.79	70	78	-40	10	0
14:15	6.8	347	14	30.79	71	78	-40	0	0
14:00	6.7	56	10	30.79	71	79	-40	0	0
13:45	6.4	352	13	30.79	71	78	-40	0	0
13:30	7.3	3	12	30.79	71	77	-40	0	0
13:15	6.5	10	11	30.79	72	78	-40	10	0
13:00	6.3	351	11	30.79	71	79	-40	0	0
12:45	4.8	354	9	30.79	72	78	-40	10	0
12:30	3.8	348	7	30.79	71	77	-40	0	0
12:15	4	3	8	30.79	71	78	-40	0	0
12:00	4	14	7	30.79	71	79	-40	0	0
11:45	3.2	46	7	30.79	71	80	-40	10	0
11:30	3.9	65	9	30.79	71	81	-40	10	0
11:15	3.8	26	8	30.79	71	82	-40	0	0
11:00	3.6	351	8	30.79	71	83	-40	0	0
10:45	3.1	88	6	30.79	71	83	-40	10	0
10:30	4.2	14	9	30.79	71	85	-40	10	0
10:15	4.4	320	8	30.79	70	84	-40	0	0
10:00	3.9	352	8	30.79	69	85	-40	10	0
9:45	2.9	15	6	30.79	70	84	-40	10	0.01
9:30	2.2	19	6	30.79	70	83	-40	0	0
9:15	1.8	42	6	30.79	70	83	-40	0	0
9:00	3.2	46	7	30.79	69	83	-40	0	0
8:45	2.2	39	6	30.79	69	83	-40	10	0
8:30	2.9	31	6	30.79	69	82	-40	10	0
8:15	3	3	4	30.79	69	82	-40	10	0
8:00	2.9	8	6	30 79	69	82	-40	0	0
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DZUS FASTENERS
West Islip, NY

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start of data:									
Station: DZUSFASTENERS									
English Units									
Loging Period in minutes: 15									
Date and Time: 10/04/1999	11:11								
TIME	WS	WD	PK	BP	T1	RH1	T2	SR	RF
HH:MM	mph	deg	mph	in	F	%	F	W/m^2	in
Date:	10/4/99								
11:00	2.4	227	9	30.79	66	95	-40	10	0.02
10:45	4.3	182	12	30.79	66	95	-40	0	0.02
10:30	4.7	238	16	30.79	66	93	-40	10	0.02
10:15	5.3	223	20	30.79	67	94	-40	10	0.01
10:00	5.2	216	19	30.79	68	93	-40	10	0
9:45	6	191	16	30.79	68	94	-40	10	0
9:30	6.2	171	18	30.79	69	93	-40	10	0
9:15	5.9	173	22	30.79	69	92	-40	0	0
9:00	7.6	159	20	30.79	69	93	-40	10	0
8:45	6.3	188	18	30.79	69	93	-40	10	0
8:30	6.1	181	15	30.79	68	94	-40	10	0
8:15	5.5	202	15	30.79	68	94	-40	10	0
8:00	5.9	168	19	30.79	67	94	-40	10	0
7:45	5.8	180	18	30.79	67	94	-40	0	0
7:30	8.3	196	19	30.79	67	93	-40	0	0
7:15	8.9	160	20	30.79	66	93	-40	10	0
7:00	4.7	178	13	30.79	66	93	-40	10	0
6:45	3.8	189	13	30.79	66	92	-40	10	0
6:30	4.4	230	16	30.79	66	92	-40	10	0
6:15	4.1	217	10	30.79	66	92	-40	10	0
6:00	2.1	157	11	30.79	63	90	-40	0	0
5:45	3.4	213	9	30.79	63	90	-40	0	0
5:30	4.7	79	9	30.79	62	89	-40	10	0.06
5:15	3.5	32	8	30.79	61	88	-40	10	0.05
5:00	2.9	344	7	30.79	61	88	-40	0	0.08
4:45	2.7	42	8	30.79	61	86	-40	10	0.02
4:30	2.8	79	8	30.79	60	85	-40	10	0.07
4:15	2.9	77	8	30.79	61	83	-40	10	0.06
4:00	2.6	75	7	30.79	61	83	-40	10	0
3:45	3.6	42	8	30.79	61	82	-40	10	0
3:30	3.6	49	7	30.79	61	82	-40	10	0
3:15	3.1	75	8	30.79	61	82	-40	10	0
3:00	3.4	68	9	30.79	61	83	-40	10	0
2:45	3	82	11	30.79	60	84	-40	0	0
2:30	3.5	54	9	30.79	60	85	-40	10	0
2:15	3.3	79	7	30.79	59	86	-40	0	0
2:00	2.7	81	6	30.79	58	86	-40	10	0
1:45	1.1	46	3	30.79	58	85	-40	0	0
1:30	1.6	42	4	30.79	58	85	-40	10	0
1:15	1.8	54	4	30.79	58	84	-40	10	0
1:00	1.6	22	3	30.79	58	83	-40	10	0
0:45	1.4	24	3	30.79	58	83	-40	0	0
0:30	1.6	52	3	30.79	58	82	-40	10	0
0:15	1.6	53	3	30.79	59	83	-40	0	0

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0:00	2.3	53	5	30.79	60	82	-40	10	0
Date:	10/3/99								
23:45	1.5	60	5	30.79	59	82	-40	10	0
23:30	1.9	63	4	30.79	60	81	-40	10	0
23:15	2.6	68	6	30.79	60	81	-40	10	0
23:00	2.2	57	5	30.79	60	80	-40	10	0
22:45	2.1	42	5	30.79	60	80	-40	0	0
22:30	1.9	18	5	30.79	61	80	-40	10	0
22:15	1.9	10	5	30.79	61	80	-40	10	0
22:00	2.3	29	5	30.79	61	80	-40	0	0
21:45	1.9	18	4	30.79	61	80	-40	0	0
21:30	2	3	4	30.79	61	79	-40	0	0
21:15	1.7	7	3	30.79	62	79	-40	10	0
21:00	1.9	19	4	30.79	62	77	-40	10	0
20:45	1.9	1	4	30.79	63	77	-40	0	0
20:30	1.7	1	5	30.79	63	76	-40	10	0
20:15	3.3	1	6	30.79	64	75	-40	0	0
20:00	3.3	6	6	30.79	64	74	-40	0	0
19:45	2.9	18	10	30.79	64	74	-40	10	0
19:30	4.5	17	9	30.79	65	75	-40	10	0
19:15	5.1	354	12	30.79	66	75	-40	10	0
19:00	3.6	1	11	30.79	66	77	-40	10	0
18:45	0.1	198	1	30.79	66	78	-40	0	0
18:30	0.4	198	2	30.79	67	76	-40	10	0
18:15	0.6	198	3	30.79	67	76	-40	10	0
18:00	1.3	173	4	30.79	67	74	-40	0	0
17:45	1.9	177	7	30.79	68	72	-40	10	0
17:30	3	231	7	30.79	69	70	-40	10	0
17:15	3.9	181	8	30.79	71	68	-40	10	0
17:00	2.6	209	8	30.79	71	68	-40	0	0
16:45	3.6	220	9	30.79	71	70	-40	0	0
16:30	5.6	177	11	30.79	71	69	-40	10	0
16:15	5.5	167	10	30.79	71	69	-40	0	0
16:00	5.1	164	11	30.79	72	67	-40	10	0
15:45	3.2	173	10	30.79	74	66	-40	0	0
15:30	2	191	10	30.79	74	66	-40	10	0
15:15	3.5	199	9	30.79	73	68	-40	0	0
15:00	2.2	132	9	30.79	74	67	-40	10	0
14:45	4	188	8	30.79	72	68	-40	10	0
14:30	4.9	181	12	30.79	71	69	-40	10	0
14:15	4.5	191	16	30.79	71	71	-40	10	0
14:00	5.7	175	13	30.79	71	71	-40	0	0
13:45	5.3	207	13	30.79	70	72	-40	10	0
13:30	4.8	181	13	30.79	71	71	-40	10	0
13:15	4.6	235	12	30.79	71	71	-40	0	0
13:00	4.6	256	12	30.79	71	72	-40	0	0
12:45	5.2	200	13	30.79	71	71	-40	0	0
12:30	4.6	181	13	30.79	71	72	-40	10	0
12:15	4.8	146	14	30.79	71	72	-40	10	0
12:00	5.7	252	13	30.79	71	71	-40	10	0
11:45	4	143	11	30.79	71	70	-40	0	0
11:30	2.4	185	11	30.79	72	68	-40	0	0
11:15	2.7	177	8	30.79	73	69	-40	10	0
11:00	2.4	273	8	30.79	72	70	-40	10	0
10:45	3.1	234	9	30.79	71	76	-40	0	0
10:30	3.6	253	11	30.79	69	77	-40	10	0
10:15	3.5	252	12	30.79	69	76	-40	0	0

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10:00	1.8	274	7	30.79	69	79	-40	10	0
9:45	1.2	271	9	30.79	68	80	-40	10	0
9:30	2	237	11	30.79	68	82	-40	0	0
9:15	2.2	252	12	30.79	69	83	-40	10	0
9:00	1.5	174	9	30.79	68	84	-40	10	0
8:45	4.1	278	12	30.79	67	85	-40	10	0
8:30	3.6	235	13	30.79	67	87	-40	0	0
8:15	2.8	248	10	30.79	66	88	-40	0	0
8:00	2.7	259	9	30.79	64	89	-40	10	0
7:45	3.1	196	11	30.79	64	90	-40	10	0
7:30	3.1	206	10	30.79	64	90	-40	0	0
7:15	2.1	269	9	30.79	63	90	-40	10	0
7:00	1.8	245	8	30.79	64	89	-40	0	0
6:45	2.5	205	7	30.79	64	90	-40	10	0
6:30	2.4	202	8	30.79	64	89	-40	0	0
6:15	1.8	220	8	30.79	64	90	-40	10	0
6:00	2.7	214	8	30.79	64	89	-40	10	0
5:45	3.1	213	8	30.79	64	89	-40	10	0
5:30	2.7	170	7	30.79	64	89	-40	10	0
5:15	2.6	129	9	30.79	64	89	-40	10	0
5:00	2	227	6	30.79	64	89	-40	10	0
4:45	3.1	212	8	30.79	64	88	-40	0	0
4:30	1.8	198	9	30.79	64	89	-40	0	0
4:15	2.1	216	7	30.79	64	89	-40	0	0
4:00	2.5	200	9	30.79	64	88	-40	0	0
3:45	2.1	270	6	30.79	64	89	-40	0	0
3:30	2	231	9	30.79	64	88	-40	10	0
3:15	1.6	192	8	30.79	64	88	-40	10	0
3:00	1.3	199	7	30.79	63	88	-40	10	0
2:45	2	256	8	30.79	63	87	-40	10	0
2:30	1.9	216	7	30.79	63	86	-40	10	0
2:15	1.5	182	6	30.79	63	86	-40	0	0
2:00	2.3	203	7	30.79	64	85	-40	10	0
1:45	2.1	214	7	30.79	64	84	-40	0	0
1:30	3.3	205	11	30.79	65	84	-40	10	0
1:15	3.7	228	10	30.79	65	83	-40	10	0
1:00	4.2	230	11	30.79	65	83	-40	10	0
0:45	4.9	198	21	30.79	66	83	-40	0	0
0:30	4.5	184	19	30.79	66	82	-40	0	0
0:15	4.4	209	17	30.79	65	82	-40	10	0
0:00	4.9	136	16	30.79	65	81	-40	10	0
Date:	10/2/99								
23:45	5.3	184	13	30.79	66	81	-40	0	0
23:30	4.5	191	17	30.79	65	81	-40	0	0
23:15	6	267	15	30.79	66	81	-40	0	0
23:00	5.2	199	19	30.79	65	81	-40	10	0
22:45	5.2	174	15	30.79	65	81	-40	0	0
22:30	5.8	200	14	30.79	65	79	-40	10	0
22:15	5.4	118	18	30.79	65	79	-40	10	0
22:00	7.1	167	20	30.79	65	79	-40	10	0
21:45	6.3	171	18	30.79	66	78	-40	10	0
21:30	6.8	198	17	30.79	66	78	-40	10	0
21:15	5.1	182	15	30.79	65	78	-40	10	0
21:00	5.7	177	25	30.79	66	79	-40	10	0
20:45	6.8	184	19	30.79	65	77	-40	0	0
20:30	6.1	178	15	30.79	65	78	-40	10	0
20:15	6.1	182	20	30.79	66	80	-40	10	0

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20:00	6.9	163	18	30.79	66	78	-40	10	0
19:45	6.6	192	20	30.79	66	79	-40	0	0
19:30	7.1	155	17	30.79	66	80	-40	10	0
19:15	7.9	174	21	30.79	66	80	-40	0	0
19:00	6.6	136	23	30.79	66	79	-40	10	0
18:45	4.7	180	23	30.79	66	78	-40	0	0
18:30	5.2	205	14	30.79	66	76	-40	0	0
18:15	5.2	193	13	30.79	66	75	-40	0	0
18:00	5.4	212	17	30.79	66	73	-40	10	0
17:45	5.9	167	18	30.79	67	72	-40	0	0
17:30	5.5	192	15	30.79	68	69	-40	10	0
17:15	6.8	184	16	30.79	67	68	-40	0	0
17:00	6.4	178	14	30.79	68	67	-40	0	0
16:45	6.8	146	14	30.79	68	67	-40	0	0
16:30	7.1	159	14	30.79	68	66	-40	0	0
16:15	5.5	170	13	30.79	69	64	-40	0	0
16:00	4.6	148	12	30.79	69	64	-40	0	0
15:45	4.7	173	13	30.79	69	63	-40	10	0
15:30	4.6	188	12	30.79	69	62	-40	0	0
15:15	4.5	159	12	30.79	69	60	-40	0	0
15:00	3.2	152	9	30.79	70	59	-40	0	0
14:45	2.3	170	11	30.79	71	56	-40	0	0
14:30	1.5	157	10	30.79	71	56	-40	10	0
14:15	1.2	70	9	30.79	70	56	-40	10	0
14:00	1.9	195	8	30.79	71	55	-40	10	0
13:45	0.5	159	6	30.79	70	54	-40	0	0
13:30	0.6	99	7	30.79	70	52	-40	0	0
13:15	0.7	143	8	30.79	70	52	-40	10	0
13:00	1.4	167	7	30.79	70	51	-40	10	0
12:45	1	148	7	30.79	69	52	-40	0	0
12:30	1	56	7	30.79	70	50	-40	10	0
12:15	0.9	175	6	30.79	69	52	-40	10	0
12:00	0.9	85	6	30.79	69	51	-40	0	0
11:45	0.4	171	7	30.79	69	50	-40	10	0
11:30	0.6	110	5	30.79	69	49	-40	10	0
11:15	0.8	90	8	30.79	68	47	-40	10	0
11:00	0.7	90	8	30.79	68	47	-40	10	0
10:45	1.3	160	6	30.79	69	50	-40	0	0
10:30	1	102	7	30.79	69	52	-40	0	0
10:15	1.4	127	6	30.79	68	55	-40	10	0
10:00	1.8	116	7	30.79	67	58	-40	0	0
9:45	1.8	79	7	30.79	66	60	-40	0	0
9:30	2.1	120	6	30.79	65	63	-40	10	0
9:15	2	65	5	30.79	64	69	-40	0	0
9:00	1.3	72	6	30.79	63	74	-40	10	0
8:45	1.5	79	5	30.79	61	79	-40	10	0
8:30	0.8	1	4	30.79	58	84	-40	10	0
8:15	0.9	337	3	30.79	56	87	-40	0	0.01
8:00	1.8	337	3	30.79	52	89	-40	0	0
7:45	0.8	310	2	30.79	50	90	-40	0	0
7:30	0.3	310	2	30.79	50	90	-40	0	0
7:15	1	310	3	30.79	49	89	-40	10	0
7:00	0.8	15	2	30.79	50	88	-40	10	0
6:45	0.7	15	2	30.79	50	88	-40	0	0
6:30	0.7	15	2	30.79	51	86	-40	0	0
6:15	1.3	15	3	30.79	51	86	-40	0	0
6:00	1.3	15	4	30.79	52	86	-40	0	0

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5:45	2	349	4	30.79	52	85	-40	10	0
5:30	2.3	337	4	30.79	52	85	-40	10	0
5:15	2	327	4	30.79	52	84	-40	10	0
5:00	1	326	2	30.79	52	83	-40	10	0
4:45	0.6	326	2	30.79	53	82	-40	0	0
4:30	3.8	326	6	30.79	54	81	-40	0	0
4:15	0.2	283	2	30.79	52	80	-40	10	0
4:00	0.4	283	2	30.79	54	79	-40	0	0
3:45	1.6	283	3	30.79	55	77	-40	10	0
3:30	0.6	281	2	30.79	55	76	-40	10	0
3:15	1.3	283	4	30.79	56	75	-40	10	0
3:00	2.5	283	5	30.79	57	74	-40	0	0
2:45	2.7	294	7	30.79	58	74	-40	10	0
2:30	4.8	303	8	30.79	58	73	-40	0	0
2:15	3	270	8	30.79	58	74	-40	0	0
2:00	3.6	290	10	30.79	58	74	-40	0	0
1:45	2.9	291	6	30.79	58	74	-40	0	0
1:30	2.3	280	7	30.79	58	75	-40	10	0
1:15	2	267	5	30.79	58	75	-40	10	0
1:00	1	267	3	30.79	59	73	-40	10	0
0:45	1.1	264	7	30.79	60	72	-40	10	0
0:30	2.5	249	7	30.79	60	73	-40	10	0
0:15	0.6	228	4	30.79	60	74	-40	10	0
0:00	0.3	267	5	30.79	60	72	-40	10	0
Date:	10/1/99								
23:45	0.3	245	6	30.79	60	72	-40	0	0
23:30	0.2	264	5	30.79	60	71	-40	10	0
23:15	0.7	256	5	30.79	60	71	-40	10	0
23:00	0.4	255	5	30.79	60	69	-40	10	0
22:45	0.6	245	6	30.79	61	70	-40	10	0
22:30	0.3	216	5	30.79	61	69	-40	10	0
22:15	0	227	5	30.79	61	68	-40	10	0
22:00	0	226	8	30.79	61	67	-40	0	0
21:45	0.3	224	8	30.79	62	67	-40	0	0
21:30	1.1	237	10	30.79	62	66	-40	10	0
21:15	0.6	206	7	30.79	62	67	-40	10	0
21:00	0.5	253	6	30.79	63	68	-40	10	0
20:45	0.6	221	5	30.79	63	69	-40	10	0
20:30	0.8	242	6	30.79	63	69	-40	0	0
20:15	1.1	193	8	30.79	63	70	-40	0	0
20:00	2.3	203	11	30.79	64	72	-40	10	0
19:45	4.2	251	11	30.79	64	72	-40	10	0
19:30	4.9	185	14	30.79	63	71	-40	0	0
19:15	3.6	223	13	30.79	63	71	-40	0	0
19:00	6.8	203	15	30.79	63	69	-40	10	0
18:45	2.7	212	16	30.79	64	67	-40	0	0
18:30	4.9	219	16	30.79	64	66	-40	0	0
18:15	5.4	155	15	30.79	64	65	-40	0	0
18:00	6	239	17	30.79	64	63	-40	0	0
17:45	5.9	196	15	30.79	64	62	-40	10	0
17:30	6	189	14	30.79	66	58	-40	0	0
17:15	6.4	171	19	30.79	66	58	-40	0	0
17:00	5.1	242	17	30.79	67	57	-40	0	0
16:45	5.1	189	13	30.79	67	58	-40	0	0
16:30	4.9	153	17	30.79	67	56	-40	10	0
16:15	5.7	152	16	30.79	67	55	-40	0	0
16:00	3.9	205	14	30.79	68	53	-40	10	0

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15:45	4.1	212	13	30.79	68	52	-40	0	0
15:30	3.3	223	15	30.79	67	52	-40	0	0
15:15	4.7	168	14	30.79	67	52	-40	0	0
15:00	5.1	184	15	30.79	67	51	-40	10	0
14:45	3.5	170	13	30.79	67	50	-40	10	0
14:30	4.5	237	14	30.79	67	49	-40	0	0
14:15	4.8	159	13	30.79	67	49	-40	10	0
14:00	4.6	100	13	30.79	67	50	-40	0	0
13:45	5	203	16	30.79	67	50	-40	10	0
13:30	4.5	159	13	30.79	67	49	-40	0	0
13:15	3.6	255	15	30.79	67	50	-40	0	0
13:00	5.6	310	14	30.79	67	49	-40	10	0
12:45	3.9	207	14	30.79	67	51	-40	10	0
12:30	3.1	217	16	30.79	67	52	-40	10	0
12:15	4.3	202	13	30.79	67	54	-40	0	0
12:00	4.6	209	14	30.79	66	55	-40	0	0
11:45	4.1	182	12	30.79	67	54	-40	0	0
11:30	3	203	10	30.79	67	51	-40	10	0
11:15	3.4	175	12	30.79	66	50	-40	0	0
11:00	2.1	184	10	30.79	67	51	-40	10	0
10:45	1.7	259	8	30.79	67	51	-40	0	0
10:30	1.5	228	5	30.79	66	55	-40	0	0
10:15	3.3	226	7	30.79	63	58	-40	10	0
10:00	4.3	263	10	30.79	62	59	-40	10	0
9:45	3.1	278	7	30.79	62	62	-40	0	0
9:30	3.2	281	6	30.79	61	64	-40	0	0
9:15	3.1	303	7	30.79	60	67	-40	0	0
9:00	2.6	294	6	30.79	60	70	-40	10	0
8:45	2.9	299	8	30.79	58	73	-40	0	0
8:30	3.3	269	7	30.79	57	76	-40	0	0
8:15	1.7	290	4	30.79	55	81	-40	0	0
8:00	2.1	281	4	30.79	51	84	-40	10	0
7:45	2.3	283	5	30.79	49	85	-40	10	0
7:30	2.7	277	5	30.79	48	86	-40	10	0
7:15	2.8	301	4	30.79	48	85	-40	0	0
7:00	1.3	301	4	30.79	47	86	-40	0	0
6:45	0.7	295	2	30.79	46	84	-40	0	0
6:30	0	295	0	30.79	46	83	-40	0	0
6:15	0	295	0	30.79	47	82	-40	10	0
6:00	2.4	295	4	30.79	48	81	-40	0	0
5:45	2.6	295	4	30.79	49	80	-40	10	0
5:30	3.5	298	5	30.79	49	80	-40	0	0
5:15	4.3	302	6	30.79	49	79	-40	10	0
5:00	2.3	294	4	30.79	49	79	-40	0	0
4:45	1.8	303	4	30.79	50	77	-40	0	0
4:30	3	305	7	30.79	51	76	-40	0	0
4:15	4.6	309	7	30.79	51	76	-40	10	0
4:00	3.3	310	6	30.79	51	77	-40	0	0
3:45	4.1	298	6	30.79	52	77	-40	0	0
3:30	4.4	306	6	30.79	52	77	-40	10	0
3:15	3.5	308	7	30.79	52	79	-40	0	0
3:00	2.7	305	4	30.79	50	80	-40	10	0
2:45	0.8	306	2	30.79	50	78	-40	0	0
2:30	0.5	306	2	30.79	51	76	-40	0	0
2:15	0.3	305	2	30.79	52	75	-40	0	0
2:00	2.9	306	5	30.79	53	75	-40	10	0
1:45	3.7	303	5	30.79	52	76	-40	0	0

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1:30	1	308	3	30.79	51	74	-40	0	0
1:15	0	312	1	30.79	52	73	-40	10	0
1:00	0	313	0	30.79	53	71	-40	0	0
0:45	0	313	0	30.79	54	69	-40	0	0
0:30	1.4	312	6	30.79	55	68	-40	10	0
0:15	3.8	310	6	30.79	56	69	-40	10	0
0:00	4.5	301	7	30.79	56	70	-40	10	0
Date:	9/30/99								
23:45	3.8	295	5	30.79	55	72	-40	10	0
23:30	1.9	301	3	30.79	55	71	-40	0	0
23:15	0.7	301	2	30.79	55	70	-40	10	0
23:00	0.7	299	2	30.79	56	70	-40	10	0
22:45	0.1	299	2	30.79	56	68	-40	0	0
22:30	0.7	301	4	30.79	57	68	-40	10	0
22:15	1.8	290	5	30.79	57	68	-40	0	0
22:00	2.2	292	5	30.79	57	68	-40	10	0
21:45	0.5	305	4	30.79	57	67	-40	10	0
21:30	1.2	301	5	30.79	57	66	-40	10	0
21:15	3.7	290	6	30.79	57	64	-40	10	0
21:00	4	295	7	30.79	58	62	-40	0	0
20:45	4.8	303	7	30.79	59	62	-40	0	0
20:30	3.6	303	6	30.79	59	62	-40	0	0
20:15	4.9	298	8	30.79	60	61	-40	10	0
20:00	3.9	310	7	30.79	60	60	-40	10	0
19:45	3.6	305	6	30.79	60	58	-40	0	0
19:30	3.3	301	7	30.79	61	56	-40	10	0
19:15	5.4	319	9	30.79	62	55	-40	10	0
19:00	5.6	299	10	30.79	63	54	-40	0	0
18:45	7.7	309	13	30.79	63	52	-40	0	0
18:30	7.9	301	15	30.79	64	51	-40	0	0
18:15	9	294	18	30.79	65	50	-40	10	0
18:00	10.3	323	18	30.79	65	50	-40	0	0
17:45	11.2	331	23	30.79	66	49	-40	10	0
17:30	15.9	290	24	30.79	66	47	-40	0	0
17:15	16.3	286	28	30.79	67	47	-40	10	0
17:00	15.4	296	28	30.79	67	48	-40	0	0
16:45	14.1	295	27	30.79	67	47	-40	0	0
16:30	12	294	25	30.79	68	48	-40	0	0
16:15	15.8	302	25	30.79	68	47	-40	0	0
16:00	14.7	316	23	30.79	69	48	-40	10	0
15:45	14.1	301	24	30.79	69	49	-40	10	0
15:30	17.6	302	30	30.79	68	49	-40	10	0
15:15	16.9	280	29	30.79	68	50	-40	0	0
15:00	15.7	266	28	30.79	69	51	-40	10	0
14:45	13.3	251	27	30.79	69	52	-40	0	0
14:30	14.1	299	24	30.79	69	53	-40	0	0
14:15	14.3	306	24	30.79	68	54	-40	10	0
14:00	15.3	291	26	30.79	69	54	-40	10	0
13:45	14.6	296	29	30.79	69	54	-40	0	0
13:30	11.7	295	30	30.79	68	57	-40	0	0
13:15	16	298	31	30.79	68	59	-40	10	0
13:00	12.8	258	29	30.79	68	59	-40	0	0
12:45	14.3	290	29	30.79	67	61	-40	0	0
12:30	14.5	291	29	30.79	67	64	-40	10	0
12:15	17.3	292	30	30.79	67	67	-40	10	0
12:00	13.7	295	27	30.79	67	72	-40	10	0
11:45	14.9	290	29	30.79	67	76	-40	0	0

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11:30	16.6	320	32	30.79	66	80	-40	10	0
11:15	9.8	308	27	30.79	65	84	-40	0	0
11:00	12.4	288	23	30.79	65	87	-40	0	0
10:45	12.8	263	29	30.79	64	90	-40	10	0
10:30	8.2	264	19	30.79	64	93	-40	10	0
10:15	6.2	217	13	30.79	62	94	-40	10	0
10:00	5.3	150	16	30.79	61	95	-40	0	0
9:45	4.7	249	12	30.79	61	95	-40	0	0
9:30	6.9	283	22	30.79	60	94	-40	10	0
9:15	5.6	303	17	30.79	60	95	-40	0	0
9:00	8.8	280	24	30.79	60	95	-40	0	0
8:45	11.7	294	26	30.79	60	95	-40	10	0
8:30	11.1	283	30	30.79	60	94	-40	10	0.03
8:15	14.8	298	29	30.79	61	94	-40	10	0.03
8:00	11.2	283	21	30.79	63	92	-40	0	0.06
7:45	9	305	30	30.79	66	89	-40	10	0.11
7:30	12.9	202	25	30.79	67	92	-40	0	0.04
7:15	11.7	122	26	30.79	67	91	-40	10	0.06
7:00	10.7	148	29	30.79	67	91	-40	0	0.09
6:45	10.4	167	27	30.79	67	89	-40	0	0
6:30	6.3	138	25	30.79	67	89	-40	10	0.04
6:15	10.8	170	27	30.79	67	87	-40	0	0
6:00	7.3	207	28	30.79	68	87	-40	0	0
5:45	9.7	157	28	30.79	68	86	-40	10	0
5:30	8.4	40	26	30.79	69	85	-40	0	0
5:15	11.1	152	29	30.79	69	85	-40	0	0
5:00	8	145	29	30.79	69	85	-40	0	0
4:45	10	202	29	30.79	69	85	-40	0	0
4:30	10.4	171	25	30.79	69	85	-40	10	0
4:15	8.1	166	26	30.79	69	86	-40	0	0
4:00	7.8	117	25	30.79	69	87	-40	0	0
3:45	8.8	174	22	30.79	69	86	-40	10	0
3:30	9.3	139	24	30.79	69	86	-40	10	0
3:15	8	164	19	30.79	69	87	-40	10	0
3:00	9.3	189	21	30.79	69	89	-40	0	0
2:45	7.2	185	20	30.79	68	89	-40	10	0
2:30	6.4	145	16	30.79	68	89	-40	0	0
2:15	6.8	114	17	30.79	68	89	-40	0	0
2:00	8.6	82	16	30.79	69	90	-40	0	0
1:45	6.7	128	23	30.79	68	91	-40	0	0
1:30	8.6	178	22	30.79	68	90	-40	10	0
1:15	5.4	148	14	30.79	67	92	-40	10	0
1:00	7.3	170	16	30.79	67	91	-40	0	0
0:45	8.1	184	17	30.79	67	91	-40	10	0
0:30	7.1	157	24	30.79	68	90	-40	10	0
0:15	5.5	136	19	30.79	67	91	-40	10	0
0:00	6.5	153	16	30.79	67	91	-40	0	0
Date:	9/29/99								
23:45	5.5	161	17	30.79	67	91	-40	0	0
23:30	6.6	117	15	30.79	67	90	-40	10	0
23:15	4.8	163	19	30.79	67	90	-40	0	0
23:00	6	171	16	30.79	67	89	-40	10	0
22:45	7	177	18	30.79	67	88	-40	10	0
22:30	4	153	15	30.79	67	88	-40	10	0
22:15	4.2	156	18	30.79	66	87	-40	10	0
22:00	4.8	117	14	30.79	66	88	-40	10	0
21:45	4.8	166	14	30.79	66	86	-40	0	0

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21:30	5.3	163	15	30.79	66	86	-40	10	0
21:16	4.1	153	11	30.79	66	85	-40	10	0
21:00	5.2	125	13	30.79	66	85	-40	0	0
20:45	4.2	167	12	30.79	66	84	-40	10	0
20:30	3.7	166	14	30.79	66	84	-40	0	0
20:15	4.2	161	12	30.79	66	84	-40	10	0
20:00	3	167	11	30.79	66	82	-40	0	0
19:45	3.1	167	9	30.79	66	83	-40	10	0
19:30	3.7	113	13	30.79	66	83	-40	10	0
19:15	5.6	85	13	30.79	66	82	-40	0	0
19:00	5	157	15	30.79	66	83	-40	0	0
18:45	4.8	118	13	30.79	67	82	-40	0	0
18:30	4.4	161	13	30.79	67	80	-40	10	0
18:15	4.7	127	12	30.79	67	80	-40	0	0
18:00	4.9	178	16	30.79	68	79	-40	10	0
17:45	6.3	164	15	30.79	68	78	-40	0	0
17:30	6.4	193	17	30.79	69	76	-40	10	0
17:15	5.8	163	12	30.79	70	77	-40	0	0
17:00	6.9	187	15	30.79	69	79	-40	0	0
16:45	4.5	170	13	30.79	69	78	-40	10	0
16:30	5.6	163	14	30.79	69	78	-40	0	0
16:15	7.3	216	16	30.79	69	79	-40	0	0
16:00	8	142	14	30.79	69	78	-40	0	0
15:45	6.8	157	14	30.79	70	78	-40	0	0
15:30	7.1	163	15	30.79	70	78	-40	10	0
15:15	6.5	178	16	30.79	70	78	-40	10	0
15:00	7	160	13	30.79	70	77	-40	10	0
14:45	5.7	196	14	30.79	70	77	-40	0	0
14:30	6.5	166	17	30.79	71	77	-40	10	0
14:15	7.2	182	13	30.79	71	77	-40	0	0
14:00	6.3	202	13	30.79	71	76	-40	10	0
13:45	6.1	181	14	30.79	71	77	-40	0	0
13:30	5.9	195	16	30.79	71	78	-40	0	0
13:15	6.7	191	15	30.79	71	79	-40	0	0
13:00	6.1	182	12	30.79	70	79	-40	0	0
12:45	6.1	181	13	30.79	71	80	-40	10	0
12:30	6.6	185	13	30.79	70	78	-40	0	0
12:15	5.2	164	14	30.79	71	78	-40	10	0
12:00	5.8	199	12	30.79	72	79	-40	0	0
11:45	5.6	193	11	30.79	71	81	-40	10	0
11:30	4.5	178	11	30.79	70	81	-40	10	0
11:15	4.7	195	13	30.79	70	83	-40	10	0
11:00	3.8	182	11	30.79	70	81	-40	0	0
10:45	3.7	205	11	30.79	71	83	-40	10	0
10:30	3.5	198	13	30.79	71	85	-40	10	0
10:15	4.8	166	13	30.79	70	84	-40	10	0
10:00	6.1	166	13	30.79	70	86	-40	10	0
9:45	5.9	152	14	30.79	71	88	-40	10	0
9:30	5.1	174	12	30.79	70	88	-40	0	0
9:15	4.8	189	11	30.79	68	91	-40	10	0
9:00	5.8	196	11	30.79	68	91	-40	10	0
8:45	4.9	202	12	30.79	68	92	-40	0	0
8:30	4.7	160	11	30.79	68	92	-40	0	0
8:15	5.3	174	14	30.79	67	93	-40	0	0
8:00	4	159	10	30.79	67	93	-40	0	0
7:45	3.5	191	8	30.79	67	94	-40	0	0
7:30	2.5	193	6	30.79	66	94	-40	0	0

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7:15	2.7	180	7	30.79	66	93	-40	10	0
7:00	2.2	173	6	30.79	66	93	-40	10	0
6:45	2.8	182	7	30.79	66	93	-40	10	0
6:30	2.3	177	6	30.79	66	93	-40	10	0
6:15	2.5	125	7	30.79	66	93	-40	10	0
6:00	2.7	196	7	30.79	66	92	-40	0	0
5:45	2.6	191	7	30.79	66	92	-40	0	0
5:30	3.5	177	8	30.79	67	92	-40	10	0
5:15	2.6	178	7	30.79	67	91	-40	10	0
5:00	1.6	174	6	30.79	66	92	-40	10	0
4:45	2	202	6	30.79	67	91	-40	10	0
4:30	2.1	166	8	30.79	67	92	-40	10	0
4:15	2.1	210	6	30.79	67	92	-40	10	0
4:00	2.4	200	7	30.79	67	92	-40	0	0
3:45	2	209	6	30.79	67	92	-40	10	0
3:30	2.1	203	6	30.79	67	93	-40	0	0
3:15	1.8	210	6	30.79	67	93	-40	10	0
3:00	2.4	170	7	30.79	67	93	-40	0	0
2:45	2.2	167	7	30.79	67	94	-40	10	0
2:30	2.2	178	7	30.79	67	93	-40	0	0
2:15	2.7	168	7	30.79	67	93	-40	10	0
2:00	2.2	180	7	30.79	67	93	-40	0	0
1:45	3.8	177	8	30.79	67	93	-40	10	0
1:30	3.4	125	8	30.79	67	93	-40	10	0
1:15	3.4	157	8	30.79	67	93	-40	10	0
1:00	3	170	10	30.79	67	93	-40	0	0
0:45	3.4	174	9	30.79	67	93	-40	10	0
0:30	2.2	177	6	30.79	67	92	-40	0	0
0:15	3	155	6	30.79	67	93	-40	10	0
0:00	2.5	152	6	30.79	67	92	-40	10	0
Date:	9/28/99								
23:45	2.2	181	6	30.79	67	92	-40	10	0
23:30	1.8	175	6	30.79	67	91	-40	0	0
23:15	3.2	182	6	30.79	67	91	-40	10	0
23:00	3.2	163	7	30.79	67	92	-40	10	0
22:45	4	178	8	30.79	67	91	-40	0	0
22:30	2.9	161	7	30.79	67	91	-40	10	0
22:15	1.9	184	5	30.79	67	92	-40	0	0
22:00	2.7	178	8	30.79	67	91	-40	0	0
21:45	2.3	163	6	30.79	67	90	-40	10	0
21:30	3.6	167	7	30.79	67	91	-40	10	0
21:15	2.7	163	7	30.79	67	91	-40	10	0
21:00	2.5	191	7	30.79	67	90	-40	10	0
20:45	2.6	173	8	30.79	67	90	-40	0	0
20:30	2.6	175	6	30.79	67	90	-40	0	0
20:15	3.3	174	7	30.79	66	90	-40	0	0
20:00	2.2	199	5	30.79	66	89	-40	10	0
19:45	3.6	168	7	30.79	67	89	-40	10	0
19:30	2.4	173	7	30.79	67	88	-40	10	0
19:15	2.7	180	8	30.79	67	87	-40	10	0
19:00	3	180	8	30.79	67	86	-40	0	0
18:45	2.5	159	8	30.79	67	86	-40	10	0
18:30	2.7	200	7	30.79	67	85	-40	0	0
18:15	2.4	180	6	30.79	68	83	-40	0	0
18:00	3.4	202	10	30.79	68	83	-40	10	0
17:45	3.2	180	8	30.79	69	82	-40	0	0
17:30	4.3	181	9	30.79	69	81	-40	0	0

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17:15	4.7	181	12	30.79	70	80	-40	0	0
17:00	5.2	167	11	30.79	71	79	-40	10	0
16:45	6.2	189	11	30.79	71	79	-40	0	0
16:30	7	167	12	30.79	71	79	-40	0	0
16:15	5.9	191	12	30.79	71	79	-40	10	0
16:00	7.5	138	13	30.79	71	79	-40	10	0
15:45	6.5	166	13	30.79	71	78	-40	10	0
15:30	6.7	177	13	30.79	71	79	-40	0	0
15:15	7.4	185	12	30.79	71	78	-40	0	0
15:00	7.4	174	13	30.79	71	79	-40	10	0
14:45	6.6	178	11	30.79	71	77	-40	0	0
14:30	5.1	152	12	30.79	72	78	-40	10	0
14:15	6.8	166	13	30.79	71	78	-40	10	0
14:00	6.1	185	13	30.79	71	78	-40	0	0
13:45	6.7	136	13	30.79	71	78	-40	10	0
13:30	5.2	181	12	30.79	73	78	-40	10	0
13:15	5.2	171	12	30.79	73	78	-40	0	0
13:00	5.3	177	11	30.79	73	80	-40	0	0
12:45	5.9	152	11	30.79	72	82	-40	0	0
12:30	6	189	13	30.79	71	81	-40	0	0
12:15	5.7	219	11	30.79	71	84	-40	0	0
12:00	7.2	175	11	30.79	70	82	-40	10	0
11:45	4.6	175	9	30.79	71	81	-40	0	0
11:30	4.7	171	10	30.79	71	83	-40	10	0
11:15	2.2	110	5	30.79	72	85	-40	0	0
11:00	2.3	173	6	30.79	69	87	-40	0	0
10:45	4.1	188	9	30.79	69	87	-40	10	0
10:30	4.5	182	9	30.79	69	88	-40	10	0
10:15	4.9	164	10	30.79	70	88	-40	10	0
10:00	2.8	173	10	30.79	71	88	-40	10	0
9:45	2.6	134	9	30.79	71	88	-40	10	0
9:30	2.6	161	6	30.79	71	96	-40	0	0
9:15	2.4	168	5	30.79	69	99	-40	10	0
9:00	3.2	178	6	30.79	68	99	-40	0	0
8:45	1.1	184	3	30.79	67	99	-40	10	0
8:30	0	152	0	30.79	67	99	-40	10	0
8:15	0.4	152	2	30.79	66	99	-40	0	0
8:00	0.4	152	2	30.79	66	99	-40	0	0
7:45	0.2	152	2	30.79	66	99	-40	10	0
7:30	1.3	129	4	30.79	66	99	-40	10	0
7:15	1.6	148	4	30.79	65	96	-40	10	0
7:00	0.7	159	4	30.79	65	96	-40	0	0
6:45	0.7	182	2	30.79	65	95	-40	0	0
6:30	0.8	182	3	30.79	65	94	-40	0	0
6:15	1	175	3	30.79	66	94	-40	10	0
6:00	0.2	175	2	30.79	66	94	-40	10	0
5:45	0.2	177	1	30.79	66	93	-40	10	0
5:30	0.4	177	2	30.79	66	93	-40	10	0
5:15	0	177	1	30.79	65	93	-40	10	0
5:00	0	175	0	30.79	65	92	-40	0	0
4:45	0	175	0	30.79	65	92	-40	0	0
4:30	0.4	175	3	30.79	65	91	-40	0	0
4:15	0.9	175	4	30.79	66	91	-40	10	0
4:00	1	171	3	30.79	65	91	-40	0	0
3:45	1	174	4	30.79	65	91	-40	10	0
3:30	0.3	124	3	30.79	65	91	-40	10	0
3:15	0.8	114	5	30.79	65	91	-40	10	0

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3:00	1.7	120	5	30.79	65	90	-40	10	0
2:45	2.2	157	5	30.79	65	90	-40	0	0
2:30	1.7	134	5	30.79	66	90	-40	10	0
2:15	2.1	150	5	30.79	65	90	-40	10	0
2:00	1.3	187	5	30.79	65	90	-40	10	0
1:45	1.1	135	5	30.79	65	90	-40	10	0
1:30	1.5	102	7	30.79	65	89	-40	0	0
1:15	1.6	120	6	30.79	65	90	40	0	0
1:00	1.9	161	8	30.79	65	89	-40	10	0
0:45	2.6	158	6	30.79	65	89	-40	10	0
0:30	1	166	4	30.79	64	89	-40	10	0
0:15	0.5	148	4	30.79	64	89	-40	10	0
0:00	1.8	136	4	30.79	64	89	-40	10	0
Date:	9/27/99								
23:45	1.3	138	4	30.79	64	88	-40	0	0
23:30	1.4	164	5	30.79	64	89	-40	10	0
23:15	1.7	150	6	30.79	64	88	-40	10	0
23:00	1.7	97	5	30.79	64	87	-40	10	0
22:45	1.1	134	5	30.79	64	88	-40	10	0
22:30	1.2	156	5	30.79	64	87	-40	10	0
22:15	1.1	168	4	30.79	64	87	-40	10	0
22:00	1.2	175	7	30.79	64	86	-40	10	0
21:45	1.2	168	4	30.79	64	87	-40	10	0
21:30	1.6	156	6	30.79	64	86	-40	0	0
21:15	2.7	168	5	30.79	64	85	-40	10	0
21:00	2.4	184	6	30.79	64	85	-40	0	0
20:45	1.9	187	6	30.79	64	85	-40	0	0
20:30	0.4	153	4	30.79	64	85	-40	0	0
20:15	0.2	109	2	30.79	64	84	-40	0	0
20:00	0.7	97	5	30.79	64	84	-40	10	0
19:45	1.3	175	5	30.79	64	84	40	0	0
19:30	0.7	191	5	30.79	64	83	40	10	0
19:15	0.5	164	3	30.79	64	82	-40	0	0
19:00	1.2	107	5	30.79	64	82	-40	0	0
18:45	1.3	149	4	30.79	64	81	-40	10	0
18:30	1.5	181	5	30.79	65	80	-40	0	0
18:15	1.6	160	7	30.79	66	79	-40	0	0
18:00	1.6	136	7	30.79	66	78	-40	0	0
17:45	1.6	187	7	30.79	67	76	-40	10	0
17:30	0.2	150	4	30.79	67	75	-40	0	0
17:15	0.8	156	7	30.79	68	74	-40	10	0
17:00	1.8	168	8	30.79	70	72	-40	0	0
16:45	1.3	199	6	30.79	71	75	-40	0	0
16:30	1.1	129	5	30.79	69	75	-40	0	0
16:15	1.6	149	7	30.79	69	75	-40	10	0
16:00	2.3	175	7	30.79	69	73	-40	10	0
15:45	2.2	111	6	30.79	70	72	-40	10	0
15:30	2.5	143	10	30.79	72	72	-40	0	0
15:15	2.2	150	7	30.79	71	73	-40	10	0
15:00	1.2	164	6	30.79	70	73	-40	10	0
14:45	1.9	168	7	30.79	70	73	-40	0	0
14:30	1.3	121	6	30.79	70	74	-40	10	0
14:15	2.4	170	7	30.79	70	73	-40	0	0
14:00	2.7	106	11	30.79	71	71	-40	10	0
13:45	1.7	79	7	30.79	73	73	-40	10	0
13:30	1.9	102	7	30.79	71	75	-40	10	0
13:15	2.8	171	9	30.79	70	74	-40	10	0

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13:00	2.5	164	8	30.79	70	74	-40	10	0
12:45	3.1	173	8	30.79	70	75	-40	0	0
12:30	4.3	156	9	30.79	69	75	-40	0	0
12:15	4.2	185	10	30.79	70	73	-40	10	0
12:00	2.5	141	9	30.79	72	73	-40	10	0
11:45	2.1	156	9	30.79	71	74	-40	10	0
11:30	2.4	86	12	30.79	72	73	-40	0	0
11:15	2.2	104	9	30.79	72	75	-40	10	0
11:00	2.5	97	8	30.79	71	77	-40	10	0
10:45	2.5	84	7	30.79	71	79	-40	10	0
10:30	1.3	90	8	30.79	71	81	-40	0	0
10:15	1.5	86	6	30.79	70	83	-40	0	0
10:00	2	118	7	30.79	70	85	-40	0	0
9:45	0.7	155	6	30.79	71	85	-40	0	0
9:30	0.8	113	6	30.79	70	89	-40	10	0
9:15	0.1	68	4	30.79	68	96	-40	10	0
9:00	0.8	184	5	30.79	66	99	-40	10	0
8:45	0.9	31	3	30.79	63	99	-40	30	0
8:30	0.6	14	2	30.79	60	99	-40	10	0
download completed:									

Downloaded Weather Station Data 10/12/99

DZUS FASTENERS

West Islip, NY

RECEIVED
OCT 12 1999
EARTH TECH

start of data:									
Station: DZUSFASTENERS									
English Units									
Loging Period in minutes: 15									
Date and Time: 10/12/1999	11:32								
TIME	WS	WD	PK	BP	T1	RH1	T2	SR	RF
HH:MM	mph	deg	mph	in	F	%	F	W/m^2	in
Date:	10/12/99								
11:30	4.8	3	10	30.79	61	57	-40	0	0
11:15	4.9	333	10	30.79	60	58	-40	10	0
11:00	5.1	345	10	30.79	60	59	-40	0	0
10:45	5.2	10	10	30.79	60	60	-40	0	0
10:30	6	21	12	30.79	59	62	-40	10	0
10:15	5.8	1	12	30.79	59	64	-40	10	0
10:00	7.1	351	13	30.79	57	67	-40	10	0
9:45	8.3	351	16	30.79	57	70	-40	10	0
9:30	8.2	327	14	30.79	56	71	-40	10	0
9:15	6.8	301	14	30.79	56	76	-40	0	0
9:00	5.1	312	12	30.79	55	78	-40	0	0
8:45	4.8	348	9	30.79	52	82	-40	10	0
8:30	4.2	313	7	30.79	51	83	-40	0	0
8:15	3.7	345	7	30.79	49	85	-40	0	0
8:00	3.6	329	7	30.79	47	86	-40	10	0
7:45	3.2	327	7	30.79	46	86	-40	0	0
7:30	3.2	344	6	30.79	45	85	-40	10	0
7:15	2.2	309	5	30.79	44	85	-40	10	0
7:00	1.3	313	3	30.79	44	84	-40	0	0
6:45	1.3	313	3	30.79	45	82	-40	10	0
6:30	3.5	313	6	30.79	46	83	-40	10	0
6:15	3.3	303	5	30.79	46	82	-40	0	0
6:00	3.8	298	6	30.79	46	82	-40	0	0
5:45	3.6	303	6	30.79	46	82	-40	0	0
5:30	3.5	303	5	30.79	46	83	-40	0	0
5:15	2.6	287	4	30.79	45	81	-40	10	0
5:00	2.5	287	4	30.79	45	81	-40	0	0
4:45	0.8	287	2	30.79	45	80	-40	10	0
4:30	1.2	287	2	30.79	45	78	-40	10	0
4:15	0.3	287	2	30.79	46	77	-40	10	0
4:00	2.2	287	12	30.79	47	75	-40	10	0
3:45	1.5	287	3	30.79	48	74	-40	0	0
3:30	1	287	2	30.79	48	72	-40	0	0
3:15	1.5	287	3	30.79	48	72	-40	10	0
3:00	4	287	5	30.79	49	70	-40	10	0
2:45	4.2	288	6	30.79	49	68	-40	0	0
2:30	3.1	316	4	30.79	50	65	-40	0	0
2:15	2	317	5	30.79	51	64	-40	10	0
2:00	1.4	319	5	30.79	52	62	-40	10	0
1:45	4.9	324	9	30.79	53	62	-40	0	0
1:30	6.4	323	10	30.79	54	61	-40	10	0
1:15	7.3	299	13	30.79	55	61	-40	10	0
1:00	7.9	302	13	30.79	55	62	-40	10	0
0:45	6.9	312	12	30.79	55	62	-40	10	0

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0:30	7.3	308	11	30.79	55	63	-40	10	0
0:15	6.3	313	9	30.79	55	64	-40	0	0
0:00	6.2	305	10	30.79	55	66	-40	10	0
Date:	10/11/99								
23:45	5.6	308	8	30.79	54	70	-40	10	0
23:30	4.2	291	8	30.79	54	71	-40	0	0
23:15	3.2	309	6	30.79	54	72	-40	10	0
23:00	4.3	299	7	30.79	54	73	-40	0	0
22:45	5.6	302	8	30.79	55	76	-40	0	0
22:30	6	292	9	30.79	55	78	-40	10	0
22:15	5.1	285	8	30.79	54	79	-40	10	0
22:00	2.6	299	6	30.79	52	81	-40	0	0
21:45	0.7	348	3	30.79	51	80	-40	10	0
21:30	0.5	349	2	30.79	51	78	-40	0	0
21:15	0.2	349	2	30.79	52	77	-40	10	0
21:00	0.8	348	2	30.79	53	76	-40	10	0
20:45	0.7	349	3	30.79	52	75	-40	10	0
20:30	0	348	0	30.79	52	73	-40	10	0
20:15	0	348	0	30.79	54	71	-40	0	0
20:00	0	348	0	30.79	54	67	-40	0	0
19:45	0	348	0	30.79	55	66	-40	0	0
19:30	0	348	0	30.79	56	62	-40	10	0
19:15	0	348	0	30.79	58	58	-40	0	0
19:00	0	348	0	30.79	59	55	-40	10	0
18:45	0	348	0	30.79	60	52	-40	0	0
18:30	1.4	348	6	30.79	62	49	-40	0	0
18:15	3.4	354	7	30.79	63	47	-40	0	0
18:00	3.9	354	9	30.79	64	44	-40	10	0
17:45	7.4	348	16	30.79	65	42	-40	0	0
17:30	8.7	298	18	30.79	66	40	-40	0	0
17:15	8.5	342	15	30.79	67	41	-40	0	0
17:00	9.4	326	20	30.79	67	40	-40	0	0
16:45	9.3	354	16	30.79	67	41	-40	10	0
16:30	7.6	327	15	30.79	68	41	-40	0	0
16:15	8.7	316	18	30.79	68	41	-40	10	0
16:00	10.7	354	19	30.79	67	41	-40	0	0
15:45	11.1	1	20	30.79	68	42	-40	0	0
15:30	11.1	342	22	30.79	67	42	-40	10	0
15:15	10.8	354	24	30.79	68	41	-40	10	0
15:00	10.6	341	21	30.79	68	41	-40	10	0
14:45	12.6	337	21	30.79	68	42	-40	10	0
14:30	12.9	302	26	30.79	68	44	-40	0	0
14:15	11.7	310	22	30.79	68	44	-40	0	0
14:00	10.8	305	22	30.79	68	49	-40	10	0
13:45	12.5	351	21	30.79	69	47	-40	10	0
13:30	13.2	351	23	30.79	68	48	-40	0	0
13:15	12.3	306	22	30.79	68	54	-40	10	0
13:00	11.6	1	25	30.79	68	59	-40	10	0
12:45	13.7	285	26	30.79	68	60	-40	10	0
12:30	11.6	345	22	30.79	68	66	-40	10	0
12:15	11.6	331	25	30.79	69	73	-40	10	0
12:00	12.5	6	21	30.79	69	74	-40	0	0
11:45	13.2	310	22	30.79	68	81	-40	10	0
11:30	12.2	329	23	30.79	68	86	-40	10	0
11:15	12.8	24	23	30.79	69	91	-40	10	0
11:00	10.4	352	20	30.79	69	96	-40	10	0
10:45	11.4	333	22	30.79	69	99	-40	10	0

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10:30	13.2	316	21	30.79	69	99	-40	0	0
10:15	12.9	274	26	30.79	69	99	-40	10	0
10:00	14	298	24	30.79	69	99	-40	0	0
9:45	12	295	20	30.79	68	99	-40	0	0
9:30	8	295	24	30.79	68	99	-40	10	0
9:15	6.4	299	17	30.79	68	99	-40	0	0
9:00	6.1	278	13	30.79	67	99	-40	10	0
8:45	8.1	299	14	30.79	66	99	-40	0	0
8:30	5.7	290	11	30.79	65	99	-40	10	0
8:15	5	274	11	30.79	64	99	-40	0	0
8:00	3.5	292	8	30.79	64	99	-40	10	0
7:45	2.4	277	11	30.79	64	99	-40	10	0
7:30	2.9	273	8	30.79	64	99	-40	10	0
7:15	2.9	299	11	30.79	64	99	-40	10	0
7:00	4.3	267	8	30.79	64	99	-40	10	0
6:45	4	259	11	30.79	64	99	-40	10	0
6:30	3.6	270	13	30.79	64	99	-40	10	0
6:15	4.3	302	11	30.79	64	99	-40	10	0
6:00	2	249	8	30.79	64	99	-40	10	0
5:45	2.1	269	9	30.79	64	99	-40	10	0
5:30	1.9	301	7	30.79	64	99	-40	10	0
5:15	1.3	205	5	30.79	64	99	-40	0	0
5:00	1.5	235	5	30.79	64	99	-40	0	0
4:45	0.8	234	4	30.79	64	99	-40	10	0
4:30	0.9	245	5	30.79	64	99	-40	10	0
4:15	2.2	231	7	30.79	64	99	-40	10	0
4:00	1.7	238	8	30.79	65	99	-40	10	0
3:45	2.4	231	14	30.79	65	99	-40	10	0
3:30	2.7	260	7	30.79	65	99	-40	10	0
3:15	3.1	175	10	30.79	65	99	-40	10	0
3:00	2.3	209	9	30.79	64	99	-40	10	0
2:45	1.6	220	6	30.79	64	99	-40	10	0
2:30	1.1	260	6	30.79	64	99	-40	0	0
2:15	1.9	221	8	30.79	64	99	-40	0	0
2:00	2.6	234	8	30.79	64	99	-40	10	0
1:45	2	223	8	30.79	65	99	-40	10	0
1:30	3	212	8	30.79	65	99	-40	10	0
1:15	2.3	251	10	30.79	65	99	-40	10	0
1:00	3.1	246	10	30.79	65	99	-40	0	0
0:45	3.8	239	10	30.79	65	99	-40	10	0
0:30	2.4	174	9	30.79	65	99	-40	10	0
0:15	2	210	7	30.79	65	99	-40	10	0
0:00	2.1	228	6	30.79	64	99	-40	10	0
Date:	10/10/99								
23:45	3	209	10	30.79	64	99	-40	0	0
23:30	2.1	267	9	30.79	64	99	-40	10	0
23:15	1.9	188	8	30.79	64	99	-40	10	0
23:00	3	207	10	30.79	64	99	-40	0	0
22:45	2.7	216	9	30.79	64	99	-40	10	0
22:30	2.6	271	9	30.79	64	99	-40	10	0
22:15	3.9	174	11	30.79	64	99	-40	10	0
22:00	3.2	196	11	30.79	64	99	-40	10	0
21:45	3.8	195	14	30.79	64	99	-40	0	0
21:30	4.4	219	13	30.79	64	99	-40	10	0
21:15	3.1	175	17	30.79	64	99	-40	0	0
21:00	4.7	200	13	30.79	64	99	-40	0	0
20:45	4.3	138	14	30.79	64	99	-40	0	0

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20:30	4.9	237	13	30.79	64	99	-40	10	0
20:15	3	241	15	30.79	64	99	-40	10	0
20:00	3.8	217	14	30.79	64	99	-40	10	0
19:45	4.6	180	17	30.79	64	99	-40	10	0
19:30	5	199	15	30.79	64	99	-40	10	0
19:15	4.8	181	15	30.79	64	99	-40	10	0
19:00	5.1	200	14	30.79	64	99	-40	10	0
18:45	4.1	129	14	30.79	64	99	-40	10	0
18:30	4.2	188	18	30.79	64	99	-40	0	0
18:15	4.5	219	14	30.79	64	99	-40	10	0
18:00	4.3	227	13	30.79	64	99	-40	0	0
17:45	4.7	185	18	30.79	64	99	-40	10	0
17:30	5.3	191	12	30.79	63	99	-40	10	0
17:15	4.4	196	16	30.79	63	99	-40	10	0
17:00	5.4	184	14	30.79	63	99	-40	10	0
16:45	4.7	196	13	30.79	63	99	-40	10	0
16:30	7	285	20	30.79	63	99	-40	0	0
16:15	6.7	175	19	30.79	63	99	-40	10	0
16:00	8.4	182	17	30.79	63	99	-40	10	0
15:45	6.9	58	20	30.79	63	99	-40	10	0
15:30	6.2	193	17	30.79	63	99	-40	10	0
15:15	6	230	16	30.79	63	99	-40	10	0
15:00	8.1	187	17	30.79	63	99	-40	0	0
14:45	5.7	177	21	30.79	63	99	-40	10	0.01
14:30	9.1	213	18	30.79	64	99	-40	0	0.01
14:15	8.4	181	19	30.79	63	99	-40	10	0.02
14:00	7.9	195	17	30.79	63	99	-40	10	0.01
13:45	6.3	166	14	30.79	63	99	-40	0	0.01
13:30	7.3	193	14	30.79	63	99	-40	10	0.01
13:15	5.8	170	13	30.79	63	99	40	10	0.02
13:00	8.1	153	14	30.79	63	99	-40	0	0.01
12:45	7.2	193	13	30.79	63	99	-40	10	0.01
12:30	4.7	203	11	30.79	63	99	-40	10	0.02
12:15	5.2	167	12	30.79	63	99	-40	10	0.02
12:00	5.8	163	12	30.79	63	99	-40	10	0.02
11:45	4.1	153	10	30.79	63	99	-40	10	0.04
11:30	3.8	168	8	30.79	63	99	-40	0	0.02
11:15	4.2	164	9	30.79	63	99	-40	10	0.02
11:00	4.8	173	9	30.79	63	99	-40	0	0.01
10:45	3	196	9	30.79	63	99	-40	10	0.01
10:30	2.5	175	6	30.79	63	99	-40	0	0.02
10:15	2.2	185	5	30.79	63	99	-40	10	0.01
10:00	3	188	5	30.79	62	99	-40	10	0
9:45	2.7	200	9	30.79	63	99	-40	10	0
9:30	2.1	199	7	30.79	62	99	-40	10	0
9:15	1.6	193	5	30.79	62	99	-40	0	0.01
9:00	2.2	187	5	30.79	61	99	-40	0	0.01
8:45	1.8	209	5	30.79	61	99	-40	10	0.02
8:30	1.7	174	4	30.79	61	99	-40	0	0.02
8:15	1	196	3	30.79	61	99	-40	10	0.01
8:00	0.8	196	3	30.79	61	99	-40	10	0.01
7:45	1	196	4	30.79	61	96	-40	10	0.01
7:30	1	182	4	30.79	61	95	-40	10	0
7:15	0.3	199	4	30.79	61	95	-40	0	0.01
7:00	0.4	199	2	30.79	61	93	-40	0	0
6:45	1.2	199	4	30.79	61	94	-40	10	0.01
6:30	1.7	202	7	30.79	61	93	-40	10	0

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6:15	1.8	188	4	30.79	61	93	-40	0	0.01
6:00	1.1	216	4	30.79	61	93	-40	10	0.03
5:45	0.6	208	4	30.79	61	92	-40	10	0
5:30	0.7	205	3	30.79	61	92	-40	10	0
5:15	0.9	216	3	30.79	61	91	-40	0	0
5:00	0.3	216	2	30.79	61	91	-40	0	0
4:45	0.4	216	3	30.79	61	91	-40	10	0
4:30	0.3	230	3	30.79	61	91	-40	10	0
4:15	0.5	196	3	30.79	61	90	-40	10	0
4:00	1.1	193	4	30.79	61	90	-40	0	0
3:45	1.4	193	6	30.79	61	90	-40	0	0
3:30	0.9	216	4	30.79	61	90	-40	0	0
3:15	1.6	202	5	30.79	61	89	-40	10	0
3:00	1.3	210	4	30.79	61	89	-40	0	0
2:45	0.3	202	3	30.79	61	89	-40	10	0
2:30	0.1	202	1	30.79	62	89	-40	0	0
2:15	0	202	0	30.79	62	89	-40	10	0
2:00	0	202	1	30.79	62	89	-40	10	0
1:45	0	202	2	30.79	62	89	-40	10	0
1:30	1.4	202	4	30.79	62	89	-40	10	0
1:15	1.2	188	5	30.79	62	90	-40	0	0
1:00	1.1	209	4	30.79	61	89	-40	10	0
0:45	1.3	213	5	30.79	61	90	-40	0	0
0:30	1.2	212	3	30.79	61	90	-40	0	0
0:15	0.9	213	3	30.79	61	89	-40	0	0
0:00	0.9	214	4	30.79	61	88	-40	0	0
Date:	10/9/99								
23:45	1.1	163	3	30.79	60	88	-40	10	0
23:30	0	163	2	30.79	60	88	-40	10	0
23:15	0.3	163	2	30.79	60	87	-40	10	0
23:00	1.2	163	5	30.79	61	87	-40	0	0
22:45	0	242	0	30.79	61	86	-40	10	0
22:30	0.3	242	1	30.79	62	85	-40	0	0
22:15	0.1	242	2	30.79	62	85	-40	0	0
22:00	0.3	242	2	30.79	62	85	-40	10	0
21:45	0.2	242	3	30.79	62	85	-40	10	0
21:30	0.2	220	3	30.79	62	85	-40	10	0
21:15	0.6	198	3	30.79	62	85	-40	0	0
21:00	0.6	206	3	30.79	62	85	-40	10	0
20:45	0.6	205	3	30.79	62	85	-40	10	0
20:30	1.1	217	4	30.79	61	84	-40	10	0
20:15	0.8	219	4	30.79	61	83	-40	10	0
20:00	0.7	210	4	30.79	62	82	-40	0	0
19:45	1.1	212	4	30.79	62	82	-40	10	0
19:30	0.7	242	4	30.79	63	81	-40	0	0
19:15	0.8	242	4	30.79	63	80	-40	10	0
19:00	0.8	199	4	30.79	63	79	-40	10	0
18:45	0.9	228	5	30.79	63	79	-40	0	0
18:30	1.3	217	5	30.79	64	78	-40	0	0
18:15	0.9	202	4	30.79	64	77	-40	10	0
18:00	0.4	184	4	30.79	64	76	-40	10	0
17:45	0.5	227	6	30.79	65	74	-40	10	0
17:30	1.6	209	9	30.79	66	74	-40	0	0
17:15	2.5	205	8	30.79	66	72	-40	10	0
17:00	3	195	12	30.79	67	70	-40	0	0
16:45	2.2	214	9	30.79	69	68	-40	10	0
16:30	2.4	196	9	30.79	69	68	-40	10	0

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16:15	2.9	191	12	30.79	69	68	-40	10	0
16:00	2	260	10	30.79	70	68	-40	10	0
15:45	2.7	196	8	30.79	69	69	-40	10	0
15:30	3.3	217	11	30.79	69	68	-40	10	0
15:15	2.8	177	8	30.79	69	69	-40	0	0
15:00	2.4	180	9	30.79	68	71	-40	10	0
14:45	2.8	196	11	30.79	68	71	-40	0	0
14:30	3.6	230	16	30.79	68	70	-40	0	0
14:15	3.5	207	14	30.79	68	71	-40	10	0
14:00	3.2	191	12	30.79	67	70	-40	10	0
13:45	4.2	203	13	30.79	68	70	-40	10	0
13:30	4.5	195	13	30.79	68	69	-40	10	0
13:15	2.6	185	9	30.79	69	71	-40	0	0
13:00	3.8	260	13	30.79	67	72	-40	10	0
12:45	6	280	14	30.79	67	71	-40	10	0
12:30	3.4	246	13	30.79	67	73	-40	0	0
12:15	4.7	210	11	30.79	67	76	-40	10	0
12:00	5	251	17	30.79	66	76	-40	10	0
11:45	4.2	290	11	30.79	66	78	-40	10	0
11:30	3.7	161	12	30.79	64	78	-40	10	0
11:15	2.9	203	12	30.79	65	82	-40	0	0
11:00	2.8	181	12	30.79	64	83	-40	10	0
10:45	2.6	255	9	30.79	63	82	-40	0	0
10:30	2.3	273	8	30.79	63	83	-40	0	0
10:15	3.1	164	9	30.79	63	82	-40	0	0
10:00	5.9	180	13	30.79	63	83	-40	0	0
9:45	4.1	166	13	30.79	63	82	-40	0	0
9:30	3.8	216	14	30.79	63	82	-40	0	0
9:15	3.5	192	9	30.79	63	82	-40	0	0
9:00	3.7	188	14	30.79	63	83	-40	10	0
8:45	3.8	173	15	30.79	63	82	-40	0	0
8:30	4.4	205	23	30.79	63	82	-40	10	0
8:15	4.3	195	12	30.79	63	83	-40	0	0
8:00	4.8	206	16	30.79	62	83	-40	10	0
7:45	3.6	244	15	30.79	61	82	-40	10	0
7:30	4.3	259	11	30.79	61	81	-40	0	0
7:15	4.9	166	14	30.79	62	80	-40	0	0
7:00	3.6	182	14	30.79	61	80	-40	10	0
6:45	4.1	255	22	30.79	61	81	-40	10	0
6:30	3.9	196	16	30.79	61	81	-40	0	0
6:15	3.8	224	16	30.79	61	81	-40	10	0
6:00	3.9	269	12	30.79	61	82	-40	10	0
5:45	3.7	232	12	30.79	61	82	-40	10	0
5:30	3.4	187	20	30.79	61	82	-40	10	0
5:15	3.2	264	12	30.79	60	82	-40	0	0
5:00	4.7	193	13	30.79	60	82	-40	0	0
4:45	3.6	178	14	30.79	60	82	-40	0	0
4:30	3.6	219	13	30.79	60	82	-40	10	0
4:15	2.9	226	10	30.79	60	82	-40	10	0
4:00	3	199	11	30.79	60	81	-40	10	0
3:45	4	245	12	30.79	60	81	-40	0	0
3:30	2.7	178	14	30.79	60	81	-40	10	0
3:15	2.9	270	8	30.79	60	80	-40	10	0
3:00	2.7	216	11	30.79	60	80	-40	10	0
2:45	2.8	238	10	30.79	60	79	-40	10	0
2:30	4.9	187	15	30.79	61	79	-40	10	0
2:15	3.9	234	14	30.79	61	78	-40	0	0

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2:00	3.3	245	19	30.79	61	77	-40	0	0
1:45	4.9	195	17	30.79	61	78	-40	0	0
1:30	7.6	210	17	30.79	61	77	-40	0	0
1:15	5.2	192	24	30.79	61	77	-40	10	0
1:00	6.4	155	22	30.79	60	77	-40	10	0
0:45	5.9	210	19	30.79	60	77	-40	10	0
0:30	4.8	184	18	30.79	60	77	-40	10	0
0:15	6.3	167	20	30.79	59	77	-40	10	0
0:00	5.9	178	17	30.79	59	76	-40	0	0
Date:	10/8/99								
23:45	5.8	173	14	30.79	59	76	-40	0	0
23:30	7.8	164	17	30.79	59	76	-40	10	0
23:15	4.7	202	19	30.79	59	76	-40	10	0
23:00	5.8	209	15	30.79	58	75	-40	10	0
22:45	3.7	205	13	30.79	58	75	-40	0	0
22:30	4.4	200	15	30.79	58	75	-40	0	0
22:15	4.8	191	15	30.79	58	75	-40	0	0
22:00	6	207	17	30.79	58	75	-40	0	0
21:45	6.8	191	16	30.79	58	74	-40	10	0
21:30	4.3	196	16	30.79	58	74	-40	10	0
21:15	6.8	196	17	30.79	58	73	-40	10	0
21:00	6.9	220	16	30.79	58	73	-40	10	0
20:45	5.3	206	17	30.79	58	73	-40	10	0
20:30	5.7	156	18	30.79	58	73	-40	10	0
20:15	6.8	174	16	30.79	58	72	-40	10	0
20:00	5.4	184	13	30.79	58	73	-40	0	0
19:45	4.2	177	19	30.79	58	72	-40	0	0
19:30	5.3	177	15	30.79	57	71	-40	0	0
19:15	3.1	184	12	30.79	57	71	-40	10	0
19:00	4.2	199	14	30.79	57	70	-40	10	0
18:45	4.5	214	16	30.79	57	68	-40	10	0
18:30	4.9	177	14	30.79	58	68	-40	10	0
18:15	6.7	164	16	30.79	57	67	-40	10	0
18:00	6.4	170	17	30.79	57	66	-40	0	0
17:45	5.9	181	15	30.79	58	65	-40	10	0
17:30	4.7	166	13	30.79	58	64	-40	10	0
17:15	5.1	188	12	30.79	59	63	-40	0	0
17:00	6.1	171	15	30.79	59	62	-40	10	0
16:45	6.1	202	17	30.79	59	61	-40	0	0
16:30	4.7	182	14	30.79	60	61	-40	0	0
16:15	4.7	178	14	30.79	60	60	-40	10	0
16:00	5.6	189	14	30.79	60	58	-40	10	0
15:45	7.9	313	15	30.79	61	59	-40	0	0
15:30	6	206	16	30.79	61	59	-40	10	0
15:15	9.1	178	15	30.79	60	60	-40	0	0
15:00	8.4	166	17	30.79	60	61	-40	0	0
14:45	8.3	185	18	30.79	60	61	-40	0	0
14:30	7.9	168	19	30.79	59	62	-40	10	0
14:15	9	188	17	30.79	60	60	-40	10	0
14:00	7.2	150	18	30.79	61	57	-40	0	0
13:45	5	209	13	30.79	61	58	-40	10	0
13:30	5.8	170	14	30.79	60	57	-40	10	0
13:15	5	227	14	30.79	61	57	-40	10	0
13:00	4.4	164	12	30.79	61	57	-40	0	0
12:45	3.6	209	13	30.79	61	57	-40	10	0
12:30	4.7	167	13	30.79	60	58	-40	0	0
12:15	5.9	173	12	30.79	60	59	-40	10	0

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12:00	6.3	171	13	30.79	59	59	-40	10	0
11:45	5.6	167	14	30.79	59	58	-40	10	0
11:30	5.5	177	12	30.79	59	57	-40	0	0
11:15	2.9	175	9	30.79	60	56	-40	10	0
11:00	3	178	9	30.79	60	57	-40	0	0
10:45	1.1	175	6	30.79	60	59	-40	0	0
10:30	1.4	99	7	30.79	59	58	-40	10	0
10:15	2	90	6	30.79	58	60	-40	0	0
10:00	1.8	70	6	30.79	57	61	-40	0	0
9:45	1.7	52	4	30.79	56	62	-40	10	0
9:30	1.8	54	4	30.79	54	66	-40	10	0
9:15	1.5	68	6	30.79	52	71	-40	10	0
9:00	1.5	47	4	30.79	50	76	-40	0	0
8:45	0.8	11	4	30.79	47	82	-40	10	0
8:30	0.9	352	3	30.79	43	85	-40	10	0
8:15	1.1	352	3	30.79	41	88	-40	0	0
8:00	1.4	351	4	30.79	39	89	-40	0	0
7:45	1.9	352	3	30.79	37	89	-40	10	0
7:30	1.9	352	3	30.79	37	90	-40	10	0
7:15	1.4	352	2	30.79	36	90	-40	10	0
7:00	1	352	2	30.79	36	90	-40	0	0
6:45	0.9	352	2	30.79	36	90	-40	0	0
6:30	1.3	351	3	30.79	37	89	-40	10	0
6:15	1.2	352	2	30.79	37	89	-40	10	0
6:00	1.3	351	2	30.79	37	90	-40	10	0
5:45	1.1	352	2	30.79	37	90	-40	0	0
5:30	1.1	352	2	30.79	37	89	-40	0	0
5:15	1.7	352	3	30.79	37	91	-40	0	0
5:00	1.9	352	3	30.79	37	91	-40	0	0
4:45	1.8	351	3	30.79	37	91	-40	0	0
4:30	1.7	352	4	30.79	36	92	-40	10	0
4:15	1.8	351	3	30.79	36	91	-40	0	0
4:00	2.6	352	4	30.79	36	93	-40	0	0
3:45	1.4	352	4	30.79	36	92	-40	0	0
3:30	1.8	348	3	30.79	36	92	-40	10	0
3:15	0.8	348	3	30.79	36	91	-40	10	0
3:00	1	348	3	30.79	36	91	-40	10	0
2:45	0.1	348	1	30.79	36	91	-40	0	0
2:30	0.7	347	2	30.79	36	90	-40	10	0
2:15	1.2	348	2	30.79	36	90	-40	0	0
2:00	0.4	348	2	30.79	36	90	-40	10	0
1:45	0	348	1	30.79	36	89	-40	10	0
1:30	0.2	348	2	30.79	36	89	-40	0	0
1:15	0.2	348	2	30.79	36	87	-40	10	0
1:00	0.3	348	2	30.79	36	87	-40	0	0
0:45	0.8	348	2	30.79	36	86	-40	10	0
0:30	0.3	348	1	30.79	37	86	-40	0	0
0:15	0.8	348	2	30.79	37	85	-40	0	0
0:00	0.2	348	1	30.79	37	84	-40	0	0
Date:	10/7/99								
23:45	0.1	348	1	30.79	37	82	-40	0	0
23:30	0	348	1	30.79	37	82	-40	10	0
23:15	0	348	0	30.79	37	81	-40	10	0
23:00	0.6	348	2	30.79	37	79	-40	10	0
22:45	0.2	348	1	30.79	38	79	-40	0	0
22:30	1.7	348	4	30.79	39	78	-40	0	0
22:15	0	351	1	30.79	38	77	-40	0	0

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22:00	0.4	351	2	30.79	39	75	-40	10	0
21:45	0.5	352	3	30.79	39	74	-40	0	0
21:30	0	354	0	30.79	39	70	-40	10	0
21:15	0	354	0	30.79	39	69	-40	10	0
21:00	0.6	354	4	30.79	41	67	-40	10	0
20:45	0	345	0	30.79	40	67	-40	0	0
20:30	0	345	0	30.79	41	63	-40	10	0
20:15	0	345	0	30.79	42	61	-40	10	0
20:00	1.4	345	5	30.79	43	62	-40	10	0
19:45	0.2	312	2	30.79	42	60	-40	0	0
19:30	0	312	0	30.79	42	55	-40	0	0
19:15	0	312	0	30.79	43	53	-40	0	0
19:00	1.4	312	6	30.79	45	48	-40	0	0
18:45	3.7	313	7	30.79	48	43	-40	10	0
18:30	4.8	313	9	30.79	49	42	-40	0	0
18:15	7.2	294	15	30.79	49	41	-40	0	0
18:00	8	301	15	30.79	50	40	-40	0	0
17:45	9.3	302	15	30.79	51	39	-40	10	0
17:30	8.7	324	14	30.79	52	38	-40	10	0
17:15	7.3	308	15	30.79	52	38	-40	0	0
17:00	7.5	308	13	30.79	52	38	-40	0	0
16:45	7.2	269	14	30.79	52	39	-40	10	0
16:30	9.4	4	17	30.79	52	37	-40	0	0
16:15	10	305	19	30.79	51	39	-40	0	0
16:00	8.2	335	16	30.79	52	37	-40	10	0
15:45	7.2	6	17	30.79	51	39	-40	10	0
15:30	9	1	17	30.79	51	38	-40	0	0
15:15	10.3	267	15	30.79	52	38	-40	10	0
15:00	10.3	320	19	30.79	51	37	-40	10	0
14:45	11.6	322	20	30.79	51	38	-40	10	0
14:30	10.9	296	21	30.79	51	37	-40	10	0
14:15	9.5	306	17	30.79	51	39	-40	0	0
14:00	10.6	320	21	30.79	51	39	-40	10	0
13:45	9.7	316	19	30.79	50	40	-40	0	0
13:30	9.9	348	21	30.79	50	39	-40	0	0
13:15	11.7	349	22	30.79	50	40	-40	10	0
13:00	10.6	330	19	30.79	49	41	-40	0	0
12:45	10.8	324	18	30.79	49	42	-40	0	0
12:30	9.9	316	23	30.79	49	43	-40	0	0
12:15	11.4	11	20	30.79	48	43	-40	0	0
12:00	11.6	312	21	30.79	48	45	-40	10	0
11:45	10.8	333	18	30.79	48	47	-40	0	0
11:30	13.5	305	20	30.79	46	49	-40	0	0
11:15	11.1	273	20	30.79	46	52	-40	0	0
11:00	9.5	348	20	30.79	46	53	-40	10	0
10:45	9.7	334	20	30.79	46	54	-40	0	0
10:30	10.9	313	17	30.79	45	55	-40	0	0
10:15	10.2	309	19	30.79	45	57	-40	10	0
10:00	8.4	14	19	30.79	45	58	-40	10	0
9:45	9.8	308	18	30.79	44	58	-40	0	0
9:30	10.3	296	18	30.79	44	58	-40	10	0
9:15	8.8	355	19	30.79	44	60	-40	10	0
9:00	10	330	18	30.79	43	59	-40	0	0
8:45	10	340	16	30.79	43	61	-40	0	0
8:30	8.3	354	17	30.79	42	62	-40	0	0
8:15	7.3	348	13	30.79	42	62	-40	10	0
8:00	6.4	1	10	30.79	40	64	-40	0	0

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7:45	6	32	10	30.79	40	65	-40	0	0
7:30	4.5	1	13	30.79	40	65	-40	10	0
7:15	5	327	11	30.79	40	65	-40	10	0
7:00	6	342	11	30.79	41	64	-40	10	0
6:45	6.2	319	12	30.79	41	64	-40	0	0
6:30	6.3	348	11	30.79	40	64	-40	10	0
6:15	6.3	330	14	30.79	40	67	-40	0	0
6:00	4.2	309	7	30.79	40	66	-40	10	0
5:45	4.3	316	7	30.79	40	67	-40	10	0
5:30	4	323	8	30.79	40	67	-40	10	0
5:15	3.8	333	8	30.79	40	66	-40	0	0
5:00	5.3	334	9	30.79	41	65	-40	0	0
4:45	5.7	326	11	30.79	41	67	-40	0	0
4:30	3.9	330	7	30.79	41	66	-40	0	0
4:15	3.7	348	7	30.79	41	66	-40	10	0
4:00	4.9	319	9	30.79	42	65	-40	10	0
3:45	2.1	312	7	30.79	42	65	-40	0	0
3:30	5.5	337	11	30.79	43	65	-40	0	0
3:15	5.5	342	11	30.79	43	65	-40	10	0
3:00	5.5	10	11	30.79	43	65	-40	0	0
2:45	5.7	324	10	30.79	43	65	-40	0	0
2:30	4.4	333	8	30.79	43	65	-40	10	0
2:15	3.6	317	7	30.79	43	65	-40	10	0
2:00	4.1	324	6	30.79	43	66	-40	10	0
1:45	3.6	305	8	30.79	43	65	-40	10	0
1:30	2.8	329	6	30.79	44	63	-40	10	0
1:15	4.3	316	7	30.79	45	62	-40	0	0
1:00	4.7	322	7	30.79	46	61	-40	10	0
0:45	4.1	322	8	30.79	46	60	-40	10	0
0:30	7.7	352	14	30.79	47	59	-40	0	0
0:15	7.7	320	15	30.79	48	59	-40	0	0
0:00	10.6	299	21	30.79	48	58	-40	10	0
Date:	10/6/99								
23:45	8.8	305	18	30.79	49	57	-40	10	0
23:30	10.8	1	21	30.79	50	55	-40	0	0
23:15	10.7	324	22	30.79	51	54	-40	10	0
23:00	10 8	326	22	30.79	51	54	-40	0	0
22:45	10.7	316	23	30.79	52	56	-40	0	0
22:30	10	349	19	30.79	53	59	-40	10	0
22:15	10 5	333	19	30 79	54	58	-40	0	0
22:00	10 2	10	18	30 79	54	57	-40	0	0
21:45	9 9	342	22	30 79	54	58	-40	0	0
21:30	10 2	309	19	30 79	55	60	-40	10	0
21:15	9 7	310	20	30 79	55	59	-40	0	0
21:00	10 5	308	17	30 79	56	59	-40	0	0
20:45	11.1	299	23	30.79	57	59	-40	0	0
20:30	9.9	317	18	30.79	57	60	-40	0	0
20:15	11.4	347	22	30.79	57	61	-40	0	0
20:00	7.2	303	13	30.79	57	62	-40	0	0
19:45	8	309	13	30.79	58	62	-40	0	0
19:30	8 3	294	15	30.79	58	61	-40	0	0
19:15	10.1	303	15	30.79	59	61	-40	0	0
19:00	8.1	298	15	30.79	60	61	-40	0	0
18:45	8.2	312	13	30.79	60	59	-40	0	0
18:30	6.6	329	10	30.79	60	58	-40	10	0
18:15	7.7	330	14	30.79	61	56	-40	0	0
18:00	6.7	319	15	30.79	62	54	-40	0	0

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17:45	11.3	303	18	30.79	63	53	-40	10	0
17:30	9.1	303	20	30.79	63	54	-40	10	0
17:15	10.2	302	21	30.79	63	55	-40	10	0
17:00	9.5	317	16	30.79	64	54	-40	10	0
16:45	11.3	292	20	30.79	64	55	-40	10	0
16:30	6.8	264	14	30.79	65	58	-40	0	0
16:15	3.4	291	12	30.79	63	61	-40	0	0
16:00	3.7	267	13	30.79	64	60	-40	0	0
15:45	4.2	284	14	30.79	65	61	-40	10	0
15:30	3.4	248	10	30.79	63	62	-40	10	0
15:15	4.5	168	15	30.79	63	61	-40	10	0
15:00	5.2	246	15	30.79	64	60	-40	0	0
14:45	5	210	15	30.79	64	59	-40	10	0
14:30	3.8	313	18	30.79	64	60	-40	10	0
14:15	4.1	187	14	30.79	64	60	-40	0	0
14:00	5.6	238	14	30.79	64	60	-40	10	0
13:45	3.4	239	15	30.79	63	62	-40	0	0
13:30	6.4	185	16	30.79	63	62	-40	0	0
13:15	4.1	266	13	30.79	63	62	-40	0	0
13:00	4.6	227	13	30.79	62	65	-40	10	0
12:45	4.7	153	19	30.79	61	64	-40	10	0
12:30	4.8	244	18	30.79	61	63	-40	10	0
12:15	4.2	278	15	30.79	61	65	-40	0	0
12:00	5.2	200	19	30.79	61	65	-40	10	0
11:45	3.9	213	14	30.79	61	68	-40	0	0
11:30	3.3	198	11	30.79	60	70	-40	0	0
11:15	4.4	244	12	30.79	60	72	-40	10	0
11:00	3.7	167	13	30.79	60	74	-40	0	0
10:45	3.2	189	11	30.79	59	76	-40	0	0
10:30	1.3	294	10	30.79	58	78	-40	0	0
10:15	1.9	290	6	30.79	57	81	-40	0	0
10:00	2.4	295	8	30.79	57	84	-40	0	0
9:45	1.3	235	8	30.79	55	89	-40	0	0
9:30	1.9	259	7	30.79	53	93	-40	0	0
9:15	3.2	263	7	30.79	51	94	-40	10	0
9:00	1.1	259	8	30.79	49	98	-40	10	0
8:45	3.7	283	7	30.79	48	99	-40	0	0
8:30	3	280	8	30.79	46	99	-40	10	0
8:15	2.8	270	7	30.79	43	99	-40	0	0
8:00	3.1	292	6	30.79	42	99	-40	0	0
7:45	2.2	296	4	30.79	40	99	-40	0	0
7:30	2.6	291	5	30.79	40	99	-40	10	0
7:15	4.3	291	6	30.79	40	99	-40	0	0
7:00	2.9	316	4	30.79	40	99	-40	10	0
6:45	1	320	3	30.79	39	99	-40	0	0
6:30	0.8	320	3	30.79	39	99	-40	0	0
6:15	0.8	320	3	30.79	40	99	-40	10	0
6:00	0.9	320	2	30.79	40	99	-40	10	0
5:45	1.8	320	3	30.79	41	99	-40	10	0
5:30	2.9	320	5	30.79	42	99	-40	0	0
5:15	4	310	6	30.79	42	99	-40	0	0
5:00	3.9	312	7	30.79	42	99	-40	0	0
4:45	4.2	302	7	30.79	42	99	-40	10	0
4:30	3.2	305	6	30.79	42	99	-40	10	0
4:15	3	298	5	30.79	42	99	-40	10	0
4:00	3.4	298	5	30.79	42	99	-40	0	0
3:45	3.6	298	5	30.79	42	99	-40	10	0

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3:30	3	298	5	30.79	42	99	-40	10	0
3:15	1.9	298	3	30.79	42	99	-40	0	0
3:00	1.8	298	3	30.79	42	99	-40	10	0
2:45	2.5	298	3	30.79	42	98	-40	0	0
2:30	2.4	298	3	30.79	42	98	-40	0	0
2:15	2.4	298	3	30.79	42	98	-40	10	0
2:00	2.7	298	3	30.79	43	98	-40	10	0
1:45	2.8	298	4	30.79	43	97	-40	0	0
1:30	1.8	298	3	30.79	43	97	-40	10	0
1:15	2.2	298	3	30.79	43	97	-40	10	0
1:00	2.2	298	3	30.79	43	95	-40	0	0
0:45	2	298	3	30.79	43	96	-40	10	0
0:30	1.2	298	2	30.79	44	95	-40	10	0
0:15	1.7	298	3	30.79	45	95	-40	10	0
0:00	1.7	298	3	30.79	45	95	-40	0	0
Date:	10/5/99								
23:45	1.5	298	2	30.79	45	94	-40	10	0
23:30	2.2	298	4	30.79	45	93	-40	0	0
23:15	2.6	298	4	30.79	45	94	-40	0	0
23:00	2.8	298	4	30.79	45	93	-40	10	0
22:45	3.4	298	5	30.79	46	93	-40	0	0
22:30	3	283	4	30.79	46	92	-40	0	0
22:15	2.5	281	4	30.79	46	92	-40	10	0
22:00	2.3	281	3	30.79	46	92	-40	10	0
21:45	1.9	281	3	30.79	47	92	-40	0	0
21:30	2.3	281	5	30.79	48	91	-40	10	0
21:15	2.4	281	5	30.79	48	90	-40	0	0
21:00	2.8	284	5	30.79	48	90	-40	10	0
20:45	3.1	278	5	30.79	49	89	-40	0	0
20:30	3.4	288	5	30.79	49	89	-40	10	0
20:15	2.9	303	5	30.79	49	89	-40	0	0
20:00	3.4	288	5	30.79	49	89	-40	10	0
19:45	3.1	303	5	30.79	50	88	-40	10	0
19:30	3.4	299	5	30.79	51	88	-40	0	0
19:15	3.6	302	6	30.79	51	89	-40	10	0
19:00	3.8	329	7	30.79	51	89	-40	0	0
18:45	4.2	301	6	30.79	50	89	-40	10	0
18:30	3.9	315	6	30.79	51	89	-40	0	0
18:15	4.5	306	9	30.79	51	89	-40	10	0
18:00	4.5	317	8	30.79	51	90	-40	10	0
17:45	4.1	13	8	30.79	51	90	-40	0	0
17:30	5.5	6	12	30.79	51	91	-40	10	0
17:15	4.4	352	8	30.79	51	91	-40	10	0
17:00	5.4	312	10	30.79	51	93	-40	0	0
16:45	7.4	313	13	30.79	51	93	-40	0	0
16:30	5.7	295	12	30.79	51	94	-40	0	0
16:15	6.2	354	11	30.79	51	95	-40	10	0
16:00	5.3	308	9	30.79	51	96	-40	10	0
15:45	5	309	10	30.79	51	97	-40	10	0
15:30	5.7	1	9	30.79	51	97	-40	10	0
15:15	5.8	315	14	30.79	50	99	-40	10	0
15:00	7.4	303	13	30.79	49	99	-40	0	0
14:45	7	320	13	30.79	49	99	-40	0	0
14:30	6.8	352	13	30.79	49	99	-40	10	0
14:15	6.4	294	12	30.79	48	99	-40	10	0
14:00	5.6	1	14	30.79	48	99	-40	0	0
13:45	6.6	13	12	30.79	48	99	-40	10	0

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13:30	6	337	12	30.79	48	99	-40	0	0
13:15	6	7	11	30.79	48	99	-40	0	0
13:00	4.8	348	8	30.79	48	99	-40	30	0
12:45	5.7	24	10	30.79	47	99	-40	30	0
12:30	5.1	345	12	30.79	47	99	-40	30	0
12:15	6.1	3	11	30.79	47	99	-40	30	0
12:00	5.3	24	11	30.79	47	99	-40	30	0
11:45	5.5	40	10	30.79	47	99	-40	30	0
11:30	5.9	354	13	30.79	47	99	-40	30	0
11:15	5.1	15	11	30.79	47	99	-40	30	0
11:00	5.9	14	13	30.79	47	99	-40	30	0
10:45	5.9	7	11	30.79	46	99	-40	30	0
10:30	6	26	10	30.79	46	99	-40	10	0
10:15	5.5	1	12	30.79	47	99	-40	10	0
10:00	6.5	24	13	30.79	47	99	-40	10	0
9:45	7.6	345	17	30.79	47	99	-40	0	0
9:30	5.8	351	11	30.79	47	99	-40	10	0
9:15	7.7	1	15	30.79	47	99	-40	0	0
9:00	6.3	15	15	30.79	47	99	-40	10	0.01
8:45	7.3	1	14	30.79	47	99	-40	0	0
8:30	6.8	25	13	30.79	47	99	-40	10	0
8:15	6.7	347	14	30.79	47	99	-40	10	0
8:00	6.1	340	13	30.79	47	99	-40	0	0
7:45	6.8	21	12	30.79	47	99	-40	10	0
7:30	5.8	22	13	30.79	47	99	-40	10	0
7:15	5.5	52	15	30.79	47	99	-40	0	0
7:00	6	61	12	30.79	47	99	-40	10	0
6:45	6.6	1	12	30.79	47	99	-40	10	0
6:30	6.5	3	13	30.79	47	99	-40	10	0
6:15	6.1	1	15	30.79	47	99	-40	10	0
6:00	7.3	1	16	30.79	47	99	-40	0	0
5:45	8.6	19	16	30.79	47	99	-40	10	0
5:30	8.4	24	15	30.79	47	99	-40	0	0
5:15	6.9	10	15	30.79	47	99	-40	10	0
5:00	7.6	1	17	30.79	47	99	-40	10	0
4:45	7.8	1	16	30.79	47	99	-40	10	0
4:30	7	7	15	30.79	47	99	-40	0	0
4:15	6.9	342	13	30.79	47	99	-40	0	0
4:00	7.2	1	15	30.79	47	99	-40	10	0.02
3:45	7.8	11	16	30.79	48	99	-40	0	0.02
3:30	6.7	1	12	30.79	48	99	-40	10	0.02
3:15	5.9	42	12	30.79	48	99	-40	0	0
3:00	6.9	33	16	30.79	48	99	-40	10	0.01
2:45	6.1	7	10	30.79	48	99	-40	10	0.02
2:30	6.1	21	12	30.79	48	99	-40	10	0.03
2:15	5.5	323	11	30.79	48	99	-40	10	0.02
2:00	6.5	31	16	30.79	48	99	-40	10	0.02
1:45	5.9	61	16	30.79	48	99	-40	10	0.02
1:30	7.6	315	17	30.79	48	98	-40	10	0.03
1:15	5.5	28	12	30.79	48	99	-40	10	0.02
1:00	5.6	11	15	30.79	48	99	-40	10	0.03
0:45	6.5	65	13	30.79	49	99	-40	10	0.05
0:30	6.3	19	15	30.79	49	98	-40	0	0.02
0:15	7.5	14	16	30.79	49	98	-40	0	0
0:00	7.1	22	18	30.79	50	97	-40	0	0
Date:	10/4/99								
23:45	9.2	352	17	30.79	51	97	-40	0	0

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23:30	9.7	1	16	30.79	51	97	-40	10	0
23:15	8.2	354	14	30.79	51	98	-40	10	0
23:00	7.3	15	13	30.79	51	97	-40	10	0
22:45	6.1	14	13	30.79	51	97	-40	0	0
22:30	5.6	13	14	30.79	51	97	-40	0	0
22:15	4.3	56	13	30.79	51	96	-40	10	0
22:00	5.5	15	15	30.79	51	96	-40	0	0
21:45	6.5	8	15	30.79	52	96	-40	10	0.02
21:30	4.8	19	16	30.79	52	95	-40	0	0.02
21:15	5.8	45	13	30.79	52	94	-40	0	0.02
21:00	4.6	63	12	30.79	52	95	-40	10	0.02
20:45	5.2	354	11	30.79	52	95	-40	0	0.01
20:30	7.1	29	16	30.79	52	95	-40	0	0.01
20:15	6.9	33	15	30.79	53	94	-40	0	0.02
20:00	7.9	29	16	30.79	54	93	-40	0	0.04
19:45	6	7	13	30.79	55	93	-40	10	0.02
19:30	5.1	32	11	30.79	55	93	-40	0	0.02
19:15	7.1	33	14	30.79	55	92	-40	10	0.02
19:00	5.2	1	12	30.79	57	91	-40	10	0
18:45	5.3	25	10	30.79	58	91	-40	10	0
18:30	5.8	21	11	30.79	58	90	-40	0	0.01
18:15	5.9	327	12	30.79	58	90	-40	10	0
18:00	5.5	14	11	30.79	59	88	-40	0	0
17:45	5.6	354	10	30.79	60	87	-40	10	0
17:30	6.3	25	13	30.79	60	86	-40	0	0.01
17:15	9.9	15	20	30.79	63	82	-40	10	0
17:00	5.2	299	10	30.79	66	80	-40	10	0
16:45	4.9	340	8	30.79	67	81	-40	10	0
16:30	4.8	296	9	30.79	67	82	-40	0	0
16:15	2.3	284	7	30.79	67	82	-40	0	0
16:00	2.5	277	9	30.79	67	82	-40	10	0
15:45	3.5	262	9	30.79	67	83	-40	10	0
15:30	3.1	290	10	30.79	67	83	-40	10	0
15:15	3	184	9	30.79	67	83	-40	0	0
15:00	4	253	9	30.79	67	84	-40	10	0
14:45	3.4	217	12	30.79	67	85	-40	10	0
14:30	4.7	213	14	30.79	67	86	-40	10	0
14:15	6.4	266	15	30.79	67	86	-40	10	0
14:00	5.6	244	13	30.79	67	86	-40	10	0
13:45	3.7	316	16	30.79	68	87	-40	10	0
13:30	5.3	331	15	30.79	68	89	-40	0	0
13:15	4.4	242	18	30.79	67	91	-40	10	0
13:00	5.3	251	15	30.79	67	92	-40	0	0
12:45	5.1	271	22	30.79	68	91	-40	10	0
12:30	3.8	206	21	30.79	68	94	-40	10	0
12:15	3.4	349	14	30.79	67	99	-40	10	0
12:00	2.9	230	12	30.79	66	99	-40	0	0
11:45	3.5	198	10	30.79	66	99	-40	10	0
11:30	2.7	203	8	30.79	66	96	-40	10	0.01
11:15	2.4	299	6	30.79	66	96	-40	30	0.01
☐download completed:									

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DZUS FASTENERS
West Islip, NY

start of data:									
Station: DZUSFASTENERS									
English Units									
Loging Period in minutes: 15									
Date and Time: 10/18/1999	8:33								
TIME	WS	WD	PK	BP	T1	RH1	T2	SR	RF
HH:MM	mph	deg	mph	in	F	%	F	W/m^2	in
Date:	10/18/99								
8:20	14.4	10	34	30.79	52	97	-40	10	0
8:05	15.8	1	34	30.79	52	98	-40	0	0
7:50	14.2	326	28	30.79	52	99	-40	10	0
7:35	15.9	1	29	30.79	52	99	-40	0	0
7:20	15.9	35	31	30.79	52	99	-40	10	0
7:05	17.2	335	38	30.79	53	99	-40	0	0
6:50	15.2	322	31	30.79	54	99	-40	0	0
6:35	13	8	28	30.79	55	99	-40	10	0
6:20	14.3	335	25	30.79	55	99	-40	10	0
6:05	13.3	329	22	30.79	57	99	-40	0	0
5:50	13.4	324	25	30.79	57	99	-40	10	0
5:35	13.2	8	26	30.79	58	99	-40	0	0
5:20	10.8	354	23	30.79	59	99	-40	0	0
5:05	9.9	354	22	30.79	60	99	-40	10	0
4:50	8.7	345	16	30.79	60	99	-40	10	0.01
4:35	9.8	330	15	30.79	60	99	-40	10	0.01
4:20	9.9	1	18	30.79	60	99	-40	0	0
4:05	9.1	354	18	30.79	60	99	-40	10	0
3:50	10.1	354	18	30.79	60	99	-40	10	0
3:35	11.2	4	20	30.79	60	99	-40	0	0
3:20	9.6	11	22	30.79	60	99	-40	10	0
3:05	11.4	1	20	30.79	60	99	-40	10	0
2:50	10.7	333	18	30.79	60	99	-40	0	0.02
2:35	9.7	347	20	30.79	61	99	-40	10	0.04
2:20	11.1	10	20	30.79	61	99	-40	10	0.04
2:05	9.1	31	18	30.79	61	99	-40	10	0.03
1:50	6.6	6	14	30.79	62	99	-40	10	0.06
1:35	7.3	18	14	30.79	63	99	-40	0	0.05
1:20	5.1	11	10	30.79	63	99	-40	10	0.07
1:05	4.7	345	10	30.79	63	99	-40	10	0.07
0:50	4.6	4	9	30.79	63	99	-40	10	0.06
0:35	3.9	13	9	30.79	63	99	-40	10	0.06
0:20	3.6	67	9	30.79	63	99	-40	10	0.03
0:05	2.9	58	7	30.79	63	99	-40	0	0.07
Date:	10/17/99								
23:50	3.8	7	8	30.79	63	99	-40	0	0.04
23:35	5.1	13	9	30.79	63	99	-40	10	0.04
23:20	3.5	14	7	30.79	63	99	-40	10	0.05
23:05	1.6	36	4	30.79	63	99	-40	10	0.06
22:50	3.1	19	7	30.79	63	99	-40	0	0.04
22:35	4.3	3	9	30.79	63	99	-40	10	0.04
22:20	4	29	8	30.79	63	99	-40	0	0.03
22:05	2.9	19	6	30.79	63	99	-40	10	0.02
21:50	1.7	64	5	30.79	63	99	-40	10	0.02
21:35	2.4	25	5	30.79	63	99	-40	0	0.01

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21:20	1.6	52	4	30.79	63	99	-40	0	0.01
21:05	1.4	63	3	30.79	63	99	-40	0	0.01
20:50	2	49	4	30.79	63	99	-40	0	0.02
20:35	2.5	330	6	30.79	63	99	-40	10	0
20:20	1.3	79	3	30.79	63	99	-40	10	0.02
20:05	1.8	79	4	30.79	63	99	-40	10	0.02
19:50	0.9	167	2	30.79	63	99	-40	10	0.03
19:35	0.6	167	2	30.79	63	99	-40	10	0.01
19:20	0.5	167	2	30.79	63	99	-40	10	0
19:05	0.6	167	3	30.79	63	99	-40	10	0
18:50	1.2	146	7	30.79	63	99	-40	10	0
18:35	1.8	174	6	30.79	63	99	-40	10	0.01
18:20	1.5	164	5	30.79	63	99	-40	0	0
18:05	0.6	145	5	30.79	63	99	-40	0	0
17:50	1.4	129	6	30.79	63	99	-40	10	0
17:35	1.2	180	4	30.79	64	99	-40	10	0
17:20	2	163	4	30.79	64	99	-40	0	0
17:05	2	180	6	30.79	64	99	-40	10	0
16:50	3.5	168	6	30.79	64	99	-40	0	0
16:35	3.6	192	7	30.79	64	99	-40	10	0
16:20	1.5	177	4	30.79	64	99	-40	10	0
16:05	3.1	177	8	30.79	64	99	-40	10	0
15:50	2.4	202	4	30.79	64	99	-40	0	0
15:35	2	178	6	30.79	64	99	-40	10	0
15:20	3.9	171	9	30.79	64	99	-40	0	0
15:05	6.5	202	12	30.79	64	99	-40	10	0
14:50	4.6	180	10	30.79	66	99	-40	0	0
14:35	1.5	192	3	30.79	67	99	-40	10	0
14:20	1	184	4	30.79	67	99	-40	0	0
14:05	0.6	187	7	30.79	67	99	-40	0	0
13:50	1.3	210	7	30.79	67	99	-40	10	0
13:35	3	198	8	30.79	67	99	-40	0	0
13:20	2.1	166	9	30.79	69	99	-40	10	0
13:05	2	171	8	30.79	69	99	-40	0	0
12:50	4.1	205	11	30.79	66	99	-40	10	0
12:35	6	189	10	30.79	66	99	-40	0	0
12:20	5.3	188	9	30.79	65	99	-40	10	0
12:05	6.1	185	12	30.79	66	99	-40	10	0
11:50	4.9	181	9	30.79	66	99	-40	0	0
11:35	2.3	195	7	30.79	65	99	-40	0	0
11:20	2.5	177	7	30.79	64	99	-40	0	0
11:05	4.8	173	8	30.79	64	99	-40	10	0
10:50	4.8	181	8	30.79	64	99	-40	0	0
10:35	5	185	8	30.79	64	99	-40	10	0
10:20	3.4	180	6	30.79	65	99	-40	10	0
10:05	4	177	7	30.79	64	99	-40	10	0
9:50	0.6	253	4	30.79	64	99	-40	0	0
9:35	0.2	253	2	30.79	62	99	-40	10	0
9:20	0.6	253	4	30.79	60	99	-40	10	0
9:05	0.3	277	3	30.79	59	99	-40	10	0
8:50	0.5	277	2	30.79	58	99	-40	10	0
8:35	0.4	277	2	30.79	57	99	-40	0	0
8:20	1	277	3	30.79	57	99	-40	0	0
8:05	0.5	277	2	30.79	55	99	-40	10	0
7:50	0.3	277	2	30.79	54	99	-40	10	0
7:35	0	277	0	30.79	54	99	-40	10	0
7:20	0.7	277	3	30.79	55	99	-40	10	0
7:05	0.2	277	2	30.79	55	99	-40	10	0

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6:50	0.2	277	1	30.79	55	99	-40	10	0
6:35	0.6	277	2	30.79	55	99	-40	0	0
6:20	0	277	1	30.79	55	99	-40	10	0
6:05	0.4	277	2	30.79	55	99	-40	10	0
5:50	0.3	277	1	30.79	55	99	-40	10	0
5:35	0.4	277	2	30.79	55	99	-40	10	0
5:20	1.3	277	4	30.79	55	99	-40	10	0
5:05	0.2	333	1	30.79	55	99	-40	10	0
4:50	0.8	333	2	30.79	55	99	-40	10	0
4:35	0.1	333	1	30.79	56	99	-40	10	0
4:20	0	333	2	30.79	56	99	-40	10	0
4:05	1.2	333	3	30.79	57	99	-40	10	0
3:50	2.2	333	4	30.79	57	99	-40	10	0
3:35	0.8	333	3	30.79	57	99	-40	10	0
3:20	1.6	333	5	30.79	57	99	-40	10	0
3:05	1.4	221	4	30.79	56	99	-40	10	0
2:50	0.5	217	2	30.79	56	99	-40	10	0
2:35	0	217	1	30.79	56	99	-40	0	0
2:20	1.2	217	3	30.79	57	99	-40	0	0
2:05	0.9	217	2	30.79	57	99	-40	10	0
1:50	1.7	217	3	30.79	57	99	-40	10	0
1:35	1.7	217	3	30.79	56	99	-40	0	0
1:20	1.6	217	4	30.79	57	99	-40	0	0
1:05	0.4	214	2	30.79	58	99	-40	10	0
0:50	0.6	214	2	30.79	59	99	-40	10	0
0:35	0	214	0	30.79	60	99	-40	0	0
0:20	0	214	1	30.79	61	99	-40	10	0
0:05	0.1	214	2	30.79	61	99	-40	0	0
Date:	10/16/99								
23:50	0.2	214	3	30.79	61	95	-40	0	0
23:35	1.7	214	6	30.79	61	94	-40	0	0
23:20	2	185	7	30.79	61	94	-40	10	0
23:05	1.7	160	4	30.79	60	92	-40	10	0
22:50	0.8	160	3	30.79	60	92	-40	0	0
22:35	0.3	160	2	30.79	59	93	-40	0	0
22:20	0	160	0	30.79	58	91	-40	10	0
22:05	0	160	0	30.79	57	92	-40	10	0
21:50	0	160	0	30.79	57	90	-40	10	0
21:35	0	160	0	30.79	57	90	-40	10	0
21:20	0	160	0	30.79	58	89	-40	10	0
21:05	0	160	0	30.79	58	89	-40	10	0
20:50	0.4	160	2	30.79	58	89	-40	0	0
20:35	0.3	160	2	30.79	59	88	-40	10	0
20:20	0	160	2	30.79	60	87	-40	10	0
20:05	0.5	160	2	30.79	60	86	-40	0	0
19:50	1.1	160	3	30.79	60	86	-40	0	0
19:35	1.3	160	5	30.79	60	85	-40	0	0
19:20	1.2	149	4	30.79	60	84	-40	10	0
19:05	0.3	145	3	30.79	60	83	-40	10	0
18:50	0.9	152	4	30.79	60	82	-40	0	0
18:35	1.1	149	4	30.79	61	81	-40	0	0
18:20	1.1	128	7	30.79	61	80	-40	10	0
18:05	0.6	159	4	30.79	62	78	-40	0	0
17:50	0.7	159	5	30.79	63	76	-40	10	0
17:35	0.2	159	5	30.79	63	75	-40	10	0
17:20	0.9	134	7	30.79	64	74	-40	0	0
17:05	0.8	143	5	30.79	64	73	-40	0	0
16:50	1.8	166	6	30.79	66	70	-40	10	0

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DZUS FASTENERS
West Islip, NY

16:35	1	122	5	30.79	67	69	-40	10	0
16:20	1.8	90	8	30.79	67	68	-40	10	
16:05	1.6	138	7	30.79	68	68	-40	0	
15:50	2.6	60	8	30.79	68	68	-40	0	
15:35	4.3	150	11	30.79	67	68	-40	10	0
15:20	4.1	160	8	30.79	68	66	-40	10	
15:05	2.1	174	7	30.79	69	66	-40	0	
14:50	3.7	182	9	30.79	68	67	-40	0	0
14:35	4	191	10	30.79	67	68	-40	10	
14:20	4.7	199	10	30.79	67	68	-40	10	
14:05	4.8	191	9	30.79	66	68	-40	10	
13:50	6.6	184	11	30.79	65	68	-40	10	0
13:35	5.6	174	12	30.79	66	66	-40	10	
13:20	6.3	202	12	30.79	66	66	-40	0	
13:05	4.4	200	10	30.79	67	65	-40	10	
12:50	3.4	161	10	30.79	68	64	-40	0	0
12:35	2.7	216	9	30.79	69	63	-40	0	
12:20	2.8	205	9	30.79	69	63	-40	0	
12:05	3	216	9	30.79	69	65	-40	10	0
11:50	2.9	184	9	30.79	68	66	-40	0	
11:35	2.5	174	6	30.79	69	68	-40	10	
11:20	2.5	175	7	30.79	69	68	-40	10	
11:05	2	191	8	30.79	68	71	-40	10	0
10:50	2	185	7	30.79	68	72	-40	0	
10:35	1.8	200	7	30.79	68	74	-40	0	
10:20	1.6	200	8	30.79	67	78	-40	10	
10:05	1.8	171	6	30.79	64	81	-40	0	0
9:50	1.7	185	5	30.79	64	84	-40	0	
9:35	3.5	168	7	30.79	62	86	-40	0	
9:20	1.9	196	5	30.79	61	87	-40	10	0
9:05	0.1	207	1	30.79	60	91	-40	0	
8:50	0.8	207	2	30.79	55	92	-40	10	
8:35	0.4	207	2	30.79	49	94	-40	0	
8:20	1.1	207	2	30.79	47	92	-40	10	0
8:05	0.4	207	2	30.79	45	93	-40	0	
7:50	0.9	207	2	30.79	43	93	-40	10	
7:35	1	207	2	30.79	43	93	-40	0	
7:20	0.5	207	2	30.79	42	93	-40	0	0
7:05	1.1	207	2	30.79	42	92	-40	10	
6:50	1.8	207	3	30.79	42	92	-40	10	
6:35	0.7	207	3	30.79	42	91	-40	0	0
6:20	1	207	3	30.79	43	91	-40	0	
6:05	1.1	207	3	30.79	43	92	-40	0	
5:50	1.3	207	3	30.79	43	91	-40	0	
5:35	1.6	207	3	30.79	43	90	-40	0	0
5:20	1.7	207	3	30.79	43	89	-40	0	
5:05	1.7	207	3	30.79	43	89	-40	10	
4:50	0.8	207	2	30.79	43	89	-40	0	0
4:35	0.7	207	2	30.79	43	88	-40	10	0
4:20	0.7	206	2	30.79	43	88	-40	0	
4:05	1	206	2	30.79	43	87	-40	0	
3:50	0.8	206	2	30.79	43	87	-40	0	0
3:35	0.4	207	2	30.79	43	86	-40	0	0
3:20	0.5	207	2	30.79	44	85	-40	0	
3:05	1	206	2	30.79	45	85	-40	0	
2:50	0.8	207	2	30.79	45	83	-40	0	0
2:35	0.6	206	2	30.79	46	82	-40	10	
2:20	0.3	207	2	30.79	46	81	-40	10	

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West Islip, NY

2:05	0.5	206	2	30.79	49	80	-40	10	0
1:50	0.6	207	4	30.79	52	79	-40	10	0
1:35	1.9	206	5	30.79	53	80	-40	0	0
1:20	1.2	199	5	30.79	53	78	-40	0	0
1:05	1.2	192	5	30.79	53	78	-40	10	0
0:50	0.9	189	5	30.79	53	78	-40	0	0
0:35	1.2	203	6	30.79	54	77	-40	0	0
0:20	2	184	6	30.79	54	77	-40	10	0
0:05	2.4	191	8	30.79	54	75	-40	10	0
Date:	10/15/99								
23:50	2.2	168	7	30.79	54	76	-40	0	0
23:35	3	184	8	30.79	55	75	-40	10	0
23:20	2.9	170	9	30.79	55	75	-40	10	0
23:05	3.5	182	11	30.79	55	74	-40	0	0
22:50	3.8	177	10	30.79	55	75	-40	0	0
22:35	4	174	15	30.79	55	74	-40	10	0
22:20	2.9	207	13	30.79	54	75	-40	0	0
22:05	3.8	168	9	30.79	55	74	-40	10	0
21:50	4.5	217	10	30.79	55	74	-40	0	0
21:35	2.8	173	9	30.79	54	75	-40	0	0
21:20	3.5	191	9	30.79	54	74	-40	10	0
21:05	2.4	177	9	30.79	54	74	-40	10	0
20:50	3.2	216	9	30.79	54	75	-40	10	0
20:35	2.9	175	10	30.79	54	75	-40	0	0
20:20	1.8	192	6	30.79	53	74	-40	10	0
20:05	2.1	187	8	30.79	53	74	-40	0	0
19:50	2.6	195	8	30.79	52	74	-40	10	0
19:35	1.4	161	8	30.79	52	73	-40	0	0
19:20	2	175	9	30.79	52	73	-40	0	0
19:05	1.4	185	5	30.79	51	71	-40	10	0
18:50	0.8	184	5	30.79	51	69	-40	0	0
18:35	0.3	185	5	30.79	51	68	-40	10	0
18:20	1.3	195	7	30.79	52	66	-40	0	0
18:05	2.5	198	6	30.79	52	65	-40	10	0
17:50	1.1	198	7	30.79	52	63	-40	10	0
17:35	1.7	202	7	30.79	54	62	-40	10	0
17:20	2.4	187	8	30.79	54	61	-40	0	0
17:05	3.1	166	9	30.79	55	61	-40	0	0
16:50	3.9	195	10	30.79	56	59	-40	0	0
16:35	3.6	209	10	30.79	57	59	-40	0	0
16:20	4.6	153	11	30.79	57	58	-40	10	0
16:05	4.2	189	10	30.79	57	58	-40	10	0
15:50	4.9	199	11	30.79	57	58	-40	10	0
15:35	4.1	174	14	30.79	57	58	-40	10	0
15:20	6.1	178	10	30.79	56	57	-40	10	0
15:05	6.1	167	12	30.79	57	58	-40	0	0
14:50	5.5	188	11	30.79	56	59	-40	10	0
14:35	5.1	159	12	30.79	56	59	-40	0	0
14:20	3.7	191	13	30.79	57	59	-40	10	0
14:05	6	132	12	30.79	56	59	-40	10	0
13:50	4.8	173	11	30.79	56	59	-40	0	0
13:35	4.3	189	9	30.79	56	60	-40	10	0
13:20	2.8	168	10	30.79	57	59	-40	10	0
13:05	2.9	159	10	30.79	57	59	-40	10	0
12:50	2	141	11	30.79	57	60	-40	0	0
12:35	2.9	136	8	30.79	55	60	-40	0	0
12:20	2.9	97	10	30.79	55	59	-40	0	0
12:05	2.9	138	11	30.79	55	59	-40	10	0

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West Islip, NY

11:50	2.5	66	10	30.79	55	59	-40	0	0
11:35	4.1	159	9	30.79	55	61	-40	10	0
11:20	2.6	124	8	30.79	55	62	-40	0	0
11:05	3.4	68	9	30.79	54	63	-40	0	0
10:50	2.5	61	8	30.79	54	65	-40	10	0
10:35	2.1	57	6	30.79	55	66	-40	0	0
10:20	1.8	102	6	30.79	54	70	-40	10	0
10:05	3.6	64	7	30.79	52	71	-40	10	0
9:50	2.6	56	8	30.79	52	75	-40	10	0
9:35	3.2	45	8	30.79	51	79	-40	10	0
9:20	4.5	31	9	30.79	49	82	-40	10	0
9:05	3.9	47	7	30.79	48	85	-40	10	0
8:50	2.7	349	6	30.79	46	88	-40	0	0
8:35	2.6	1	5	30.79	43	90	-40	0	0
8:20	2.2	326	4	30.79	40	91	-40	0	0
8:05	0.6	326	2	30.79	38	91	-40	10	0
7:50	0.6	326	2	30.79	36	91	-40	10	0
7:35	1.2	326	3	30.79	35	90	-40	0	0
7:20	0.3	326	2	30.79	34	90	-40	0	0
7:05	0.9	326	3	30.79	34	89	-40	10	0
6:50	1	326	3	30.79	35	89	-40	10	0
6:35	0.4	326	2	30.79	35	89	-40	10	0
6:20	1.2	326	4	30.79	36	88	-40	10	0
6:05	1.8	326	5	30.79	36	89	-40	0	0
5:50	1.7	326	4	30.79	36	89	-40	0	0
5:35	1.4	326	3	30.79	36	88	-40	10	0
5:20	1.9	326	5	30.79	36	88	-40	0	0
5:05	0.8	315	2	30.79	35	87	-40	10	0
4:50	1.9	315	4	30.79	36	86	-40	10	0
4:35	1.6	315	4	30.79	36	85	-40	10	0
4:20	0.9	313	3	30.79	36	85	-40	10	0
4:05	0	313	1	30.79	36	84	-40	10	0
3:50	1.8	313	3	30.79	37	83	-40	10	0
3:35	0.7	313	3	30.79	36	83	-40	10	0
3:20	3	313	5	30.79	37	82	-40	10	0
3:05	0.7	317	3	30.79	36	82	-40	0	0
2:50	0.9	316	2	30.79	37	80	-40	0	0
2:35	0.8	316	3	30.79	38	80	-40	0	0
2:20	0.4	317	4	30.79	39	79	-40	10	0
2:05	3.1	316	7	30.79	39	79	-40	0	0
1:50	2.6	330	6	30.79	39	79	-40	0	0
1:35	0.7	324	4	30.79	38	77	-40	10	0
1:20	0.9	340	4	30.79	39	76	-40	10	0
1:05	0	341	0	30.79	39	74	-40	0	0
0:50	0	341	2	30.79	39	71	-40	0	0
0:35	0.5	341	3	30.79	40	70	-40	0	0
0:20	0.5	341	3	30.79	41	68	-40	10	0
0:05	0.8	341	4	30.79	42	67	-40	0	0
Date:	10/14/99								
23:50	1.2	341	5	30.79	43	65	-40	10	0
23:35	1.2	342	4	30.79	43	63	-40	10	0
23:20	1.6	324	4	30.79	44	62	-40	0	0
23:05	3.8	323	7	30.79	45	61	-40	0	0
22:50	5.4	330	13	30.79	46	60	-40	10	0
22:35	6.3	315	11	30.79	46	60	-40	10	0
22:20	6.6	324	13	30.79	46	59	-40	0	0
22:05	1.6	341	6	30.79	45	59	-40	10	0
21:50	1.8	320	5	30.79	46	57	-40	0	0

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DZUS FASTENERS

West Islip, NY

21:35	4.4	313	9	30.79	48	56	-40	0	0
21:20	7.1	303	11	30.79	48	55	-40	10	0
21:05	7.6	291	13	30.79	48	55	-40	10	0
20:50	7.5	302	12	30.79	48	55	-40	10	0
20:35	8.2	290	12	30.79	48	55	-40	0	0
20:20	5.7	292	10	30.79	49	55	-40	0	0
20:05	5.8	309	10	30.79	49	55	-40	10	0
19:50	4.6	291	8	30.79	49	54	-40	0	0
19:35	5.2	295	11	30.79	49	53	-40	0	0
19:20	7.4	277	13	30.79	50	52	-40	0	0
19:05	5.6	301	12	30.79	51	51	-40	10	0
18:50	8.1	292	17	30.79	51	50	-40	0	0
18:35	8.3	276	14	30.79	52	47	-40	0	0
18:20	10.1	324	15	30.79	52	47	-40	10	0
18:05	10.5	299	22	30.79	53	46	-40	10	0
17:50	10.7	310	20	30.79	53	45	-40	0	0
17:35	14.5	298	27	30.79	54	44	-40	10	0
17:20	16.2	284	30	30.79	55	43	-40	10	0
17:05	17.1	259	29	30.79	55	44	-40	10	0
16:50	17.6	283	30	30.79	55	42	-40	0	0
16:35	16.6	302	31	30.79	56	43	-40	10	0
16:20	16	299	27	30.79	56	43	-40	10	0
16:05	14.7	270	30	30.79	56	43	-40	10	0
15:50	16.5	312	33	30.79	56	44	-40	10	0
15:35	19.2	333	34	30.79	56	46	-40	0	0
15:20	18.5	294	35	30.79	56	46	-40	10	0
15:05	15.9	285	31	30.79	55	48	-40	10	0
14:50	18	308	34	30.79	55	49	-40	0	0
14:35	19.6	298	31	30.79	55	51	-40	10	0
14:20	18.5	281	34	30.79	55	52	-40	0	0
14:05	19.1	291	35	30.79	55	54	-40	10	0
13:50	23	292	40	30.79	54	55	-40	0	0
13:35	21.3	283	36	30.79	54	57	-40	10	0
13:20	18.9	287	35	30.79	55	57	-40	0	0
13:05	21.4	287	34	30.79	54	56	-40	0	0
12:50	22.2	281	36	30.79	54	57	-40	10	0
12:35	11.6	296	29	30.79	54	58	-40	30	0
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Downloaded Weather Station Data 10/25/99
DZUS FASTENERS
West Islip, NY

start of data:									
Station: DZUSFASTENERS									
English Units									
Loging Period in minutes: 15									
Date and Time: 10/25/1999	12:41								
TIME	WS	WD	PK	BP	T1	RH1	T2	SR	RF
HH:MM	mph	deg	mph	in	F	%	F	W/m^2	in
Date.	10/25/99								
12:36	6	292	17	30.79	53	59	-40	10	0
12:21	9.1	271	21	30.79	52	59	-40	0	0
12:06	7.6	277	16	30.79	53	59	-40	0	0
11:51	5.6	301	11	30.79	52	60	-40	10	0
11:36	5.3	348	16	30.79	53	62	-40	10	0
11:21	5.4	278	14	30.79	51	62	-40	0	0
11:06	5.9	322	13	30.79	51	62	-40	0	0
10:51	7.4	288	14	30.79	51	63	-40	10	0
10:36	8.2	288	16	30.79	50	64	-40	0	0
10:21	8.3	291	20	30.79	50	65	-40	0	0
10:06	9.4	274	16	30.79	49	66	-40	0	0
9:51	9.4	294	16	30.79	49	68	-40	10	0
9:36	9.2	281	18	30.79	46	69	-40	0	0
9:21	7.7	298	18	30.79	48	70	-40	10	0
9:06	5.3	264	20	30.79	47	72	-40	10	0
8:51	7.9	280	15	30.79	46	74	-40	10	0
8:36	6.6	287	14	30.79	45	75	-40	0	0
8:21	5.8	302	13	30.79	43	77	-40	0	0
8:06	2.4	274	10	30.79	42	77	-40	10	0
7:51	2.4	280	7	30.79	41	76	-40	0	0
7:36	1.3	274	5	30.79	40	77	-40	10	0
7:21	1.4	256	7	30.79	39	77	-40	10	0
7:06	0.2	246	4	30.79	39	77	-40	0	0
6:51	0.8	237	3	30.79	39	78	-40	10	0
6:36	0.9	277	3	30.79	40	76	-40	0	0
6:21	2.7	270	7	30.79	41	75	-40	0	0
6:06	1.9	276	6	30.79	40	74	-40	10	0
5:51	2.2	277	7	30.79	41	75	-40	0	0
5:36	3	283	7	30.79	40	74	-40	0	0
5:21	3	287	7	30.79	40	73	-40	0	0
5:06	2.5	271	8	30.79	40	74	-40	0	0
4:51	3.5	278	6	30.79	41	73	-40	0	0
4:36	4.7	277	8	30.79	41	73	-40	10	0
4:21	6.8	288	10	30.79	42	72	-40	10	0
4:06	6.7	287	11	30.79	42	73	-40	10	0
3:51	6.2	287	12	30.79	42	72	-40	10	0
3:36	3	287	7	30.79	41	72	-40	10	0
3:21	3.4	284	7	30.79	42	72	-40	0	0
3:06	4	285	9	30.79	42	72	-40	10	0
2:51	4.9	280	10	30.79	42	71	-40	0	0
2:36	5.3	287	13	30.79	42	71	-40	10	0
2:21	2.1	253	7	30.79	42	70	-40	0	0
2:06	4.8	291	11	30.79	42	69	-40	0	0
1:51	6.3	287	16	30.79	43	69	-40	0	0
1:36	6	290	12	30.79	43	68	-40	10	0

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1:21	4.4	277	10	30.79	43	69	-40	0	0
1:06	5.4	331	13	30.79	43	68	-40	10	0
0:51	5.5	281	13	30.79	43	68	-40	10	0
0:36	2.7	301	9	30.79	42	67	-40	0	0
0:21	5.3	295	10	30.79	43	67	-40	0	0
0:06	3.5	290	9	30.79	43	66	-40	10	0
Date:	10/24/99								
23:51	4	292	8	30.79	43	65	-40	0	0
23:36	6.4	295	10	30.79	44	64	-40	0	0
23:21	8.2	305	18	30.79	45	63	-40	0	0
23:06	8.6	302	14	30.79	45	63	-40	0	0
22:51	6.7	313	15	30.79	45	62	-40	10	0
22:36	9.7	305	17	30.79	45	62	-40	0	0
22:21	12.5	329	21	30.79	46	62	-40	10	0
22:06	11.5	291	24	30.79	46	63	-40	10	0
21:51	13.2	296	22	30.79	46	62	-40	10	0
21:36	14.4	288	27	30.79	46	62	-40	0	0
21:21	14.3	302	24	30.79	47	62	-40	10	0
21:06	15.5	315	27	30.79	47	63	-40	10	0
20:51	15.5	303	29	30.79	48	63	-40	0	0
20:36	12.3	302	21	30.79	48	62	-40	10	0
20:21	10.3	301	24	30.79	48	63	-40	0	0
20:06	12.8	280	26	30.79	48	62	-40	0	0
19:51	14.8	299	29	30.79	49	62	-40	0	0
19:36	17	298	30	30.79	49	62	-40	0	0
19:21	11	295	22	30.79	50	63	-40	10	0
19:06	6.8	284	18	30.79	50	63	-40	0	0
18:51	12.5	280	22	30.79	51	62	-40	0	0
18:36	11.3	284	26	30.79	52	63	-40	10	0
18:21	7.3	303	22	30.79	52	63	-40	0	0
18:06	10.1	294	17	30.79	52	63	-40	0	0
17:51	11.6	295	17	30.79	53	62	-40	10	0
17:36	10	263	18	30.79	54	62	-40	10	0
17:21	7.7	283	21	30.79	54	62	-40	10	0
17:06	11	255	18	30.79	54	61	-40	0	0
16:51	12.1	309	20	30.79	55	62	-40	0	0
16:36	10.1	278	18	30.79	55	62	-40	0	0
16:21	7.9	313	16	30.79	55	62	-40	0	0
16:06	6.5	294	12	30.79	55	62	-40	0	0
15:51	7.9	285	17	30.79	55	61	-40	10	0
15:36	8.4	290	16	30.79	55	61	-40	10	0
15:21	9.6	302	16	30.79	55	60	-40	10	0
15:06	9.1	283	18	30.79	55	61	-40	0	0
14:51	6.9	273	12	30.79	55	62	-40	10	0
14:36	7.5	298	12	30.79	54	62	-40	0	0
14:21	6.4	294	12	30.79	54	62	-40	10	0
14:06	7.4	292	13	30.79	54	62	-40	10	0
13:51	8.4	306	13	30.79	54	62	-40	0	0
13:36	7.9	299	13	30.79	54	61	-40	10	0
13:21	7.3	280	12	30.79	54	62	-40	10	0
13:06	6.9	345	14	30.79	54	62	-40	0	0
12:51	6.3	299	10	30.79	54	62	-40	0	0
12:36	5.9	323	15	30.79	55	62	-40	10	0
12:21	5.1	295	11	30.79	55	63	-40	10	0
12:06	6.7	288	12	30.79	55	64	-40	10	0
11:51	5.7	292	11	30.79	55	64	-40	0	0
11:36	7.3	310	14	30.79	54	66	-40	0	0
11:21	6.3	331	13	30.79	54	66	-40	0	0

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11:06	7.6	316	16	30.79	52	69	-40	10	0
10:51	8.7	294	15	30.79	51	70	-40	0	0
10:36	11.1	296	19	30.79	51	71	-40	10	0
10:21	10.8	287	18	30.79	51	72	-40	10	0
10:06	12	288	21	30.79	50	74	-40	10	0
9:51	10.7	296	20	30.79	49	76	-40	10	0
9:36	8.1	294	16	30.79	49	76	-40	10	0
9:21	7.6	277	19	30.79	48	78	-40	10	0
9:06	5.7	264	14	30.79	47	80	-40	0	0
8:51	3.2	273	9	30.79	45	82	-40	10	0
8:36	2.6	281	8	30.79	43	82	-40	0	0
8:21	2.1	267	7	30.79	41	82	-40	10	0
8:06	1.2	266	5	30.79	40	82	-40	10	0
7:51	1.5	281	7	30.79	39	82	-40	10	0
7:36	1.7	273	5	30.79	39	81	-40	0	0
7:21	3.4	271	7	30.79	39	80	-40	0	0
7:06	3.9	277	7	30.79	39	80	-40	10	0
6:51	3.9	284	8	30.79	39	80	-40	10	0
6:36	2.9	277	7	30.79	39	79	-40	10	0
6:21	2.9	269	6	30.79	39	79	-40	10	0
6:06	1.2	273	5	30.79	39	78	-40	0	0
5:51	0.9	262	4	30.79	39	77	-40	10	0
5:36	0.8	255	4	30.79	39	77	-40	10	0
5:21	1.8	253	6	30.79	40	75	-40	10	0
5:06	4.7	262	11	30.79	41	76	-40	0	0
4:51	6.1	294	14	30.79	42	75	-40	0	0
4:36	5.7	283	12	30.79	42	75	-40	0	0
4:21	4.1	288	11	30.79	42	74	-40	10	0
4:06	0.3	276	5	30.79	40	74	-40	10	0
3:51	0.8	260	8	30.79	41	73	-40	10	0
3:36	0.8	259	6	30.79	41	73	-40	0	0
3:21	1.4	259	7	30.79	42	72	-40	10	0
3:06	1.7	288	11	30.79	42	70	-40	10	0
2:51	3.5	266	10	30.79	43	70	-40	0	0
2:36	4	283	13	30.79	43	70	-40	10	0
2:21	4.5	281	12	30.79	44	70	-40	0	0
2:06	3.4	285	12	30.79	44	69	-40	10	0
1:51	5.3	270	11	30.79	44	68	-40	10	0
1:36	4.1	253	16	30.79	45	68	-40	10	0
1:21	4	284	11	30.79	44	68	-40	10	0
1:06	4.5	252	11	30.79	45	67	-40	0	0
0:51	3.7	278	13	30.79	45	66	-40	0	0
0:36	4.1	266	13	30.79	45	66	-40	10	0
0:21	3.6	246	13	30.79	45	65	-40	10	0
0:06	7.3	266	17	30.79	46	65	-40	0	0
Date:	10/23/99								
23:51	5.8	252	14	30.79	46	66	-40	10	0
23:36	4.7	267	14	30.79	46	66	-40	0	0
23:21	2.5	244	11	30.79	46	66	-40	0	0
23:06	2.3	253	12	30.79	46	65	-40	0	0
22:51	3.7	230	13	30.79	46	65	-40	0	0
22:36	3.9	264	14	30.79	46	64	-40	0	0
22:21	3.8	269	12	30.79	46	64	-40	10	0
22:06	3.5	271	10	30.79	47	64	-40	10	0
21:51	2.7	273	11	30.79	46	63	-40	0	0
21:36	4.4	220	12	30.79	48	62	-40	0	0
21:21	5.6	267	17	30.79	48	62	-40	0	0
21:06	6.4	268	21	30.79	49	63	-40	0	0

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20:51	2.9	262	15	30.79	48	63	-40	10	0
20:36	3.6	251	12	30.79	48	63	-40	10	0
20:21	2.5	166	17	30.79	48	63	-40	10	0
20:06	2	256	12	30.79	48	63	-40	0	0
19:51	1.6	223	7	30.79	48	63	-40	10	0
19:36	1.3	237	8	30.79	48	62	-40	10	0
19:21	3.8	278	11	30.79	49	62	-40	0	0
19:06	2.9	278	9	30.79	49	62	-40	10	0
18:51	3.6	273	13	30.79	49	61	-40	0	0
18:36	3.8	273	11	30.79	49	61	-40	0	0
18:21	4.3	263	14	30.79	50	60	-40	10	0
18:06	5.7	269	14	30.79	51	60	-40	0	0
17:51	4.2	283	12	30.79	51	60	-40	10	0
17:36	5.5	280	16	30.79	52	58	-40	0	0
17:21	6.3	291	15	30.79	52	59	-40	0	0
17:06	8.5	231	22	30.79	52	59	-40	10	0
16:51	8.6	256	23	30.79	53	58	-40	10	0
16:36	8.9	284	19	30.79	54	59	-40	10	0
16:21	7.4	202	24	30.79	54	59	-40	10	0
16:06	5	262	23	30.79	55	59	-40	0	0
15:51	8.4	284	24	30.79	56	60	-40	10	0
15:36	4.6	264	18	30.79	57	61	-40	10	0
15:21	7.3	281	19	30.79	55	62	-40	0	0
15:06	7.9	256	20	30.79	54	62	-40	0	0
14:51	7.3	277	17	30.79	56	62	-40	10	0
14:36	7.3	292	21	30.79	55	64	-40	0	0
14:21	7.5	270	19	30.79	54	65	-40	10	0
14:06	7.2	252	22	30.79	55	65	-40	0	0
13:51	6.9	226	19	30.79	56	67	-40	0	0
13:36	8.9	291	22	30.79	55	67	-40	0	0
13:21	11.8	284	22	30.79	53	70	-40	10	0
13:06	9.1	192	20	30.79	54	70	-40	10	0
12:51	5.5	292	19	30.79	56	69	-40	0	0
12:36	6.4	276	21	30.79	54	73	-40	10	0
12:21	6.7	285	16	30.79	54	71	-40	10	0
12:06	10.5	270	19	30.79	55	73	-40	10	0
11:51	10.4	299	21	30.79	55	75	-40	0	0
11:36	10.5	276	21	30.79	54	77	-40	10	0
11:21	5.7	274	16	30.79	55	79	-40	0	0
11:06	9.2	276	22	30.79	53	82	-40	0	0
10:51	8.5	277	22	30.79	52	84	-40	0	0
10:36	7.2	274	19	30.79	52	86	-40	10	0
10:21	10.6	295	20	30.79	52	88	-40	10	0
10:06	7.5	260	19	30.79	52	90	-40	10	0
9:51	7.6	287	18	30.79	51	90	-40	0	0
9:36	6	273	18	30.79	51	91	-40	10	0
9:21	6	270	17	30.79	50	91	-40	0	0
9:06	6	296	15	30.79	49	91	-40	0	0
8:51	6	271	17	30.79	48	92	-40	0	0
8:36	5.2	262	12	30.79	47	92	-40	0	0
8:21	4	274	11	30.79	46	93	-40	0	0
8:06	4.6	306	11	30.79	46	93	-40	0	0
7:51	3.4	277	10	30.79	45	93	-40	0	0
7:36	2.1	251	6	30.79	45	93	-40	10	0
7:21	3	303	8	30.79	45	92	-40	10	0
7:06	2.8	270	9	30.79	45	91	-40	10	0
6:51	3.1	285	8	30.79	46	91	-40	10	0
6:36	3.4	255	8	30.79	46	91	-40	0	0

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6:21	3.9	265	10	30.79	46	91	-40	10	0
6:06	3.3	267	8	30.79	46	90	-40	0	0
5:51	2.7	285	8	30.79	46	90	-40	10	0
5:36	3.1	278	12	30.79	47	89	-40	0	0
5:21	3.6	271	12	30.79	47	89	-40	10	0
5:06	2.6	294	13	30.79	47	88	-40	0	0
4:51	3.6	290	9	30.79	47	88	-40	0	0
4:36	2	1	8	30.79	47	87	-40	10	0
4:21	2.7	45	6	30.79	47	86	-40	10	0
4:06	3	299	7	30.79	48	86	-40	0	0.03
3:51	4.1	249	11	30.79	48	85	-40	0	0.04
3:36	3.8	274	9	30.79	49	84	-40	0	0
3:21	5	295	8	30.79	49	83	-40	10	0
3:06	5.6	313	9	30.79	49	84	-40	10	0
2:51	5.8	310	11	30.79	49	83	-40	10	0
2:36	9.5	313	17	30.79	49	83	-40	10	0
2:21	10.1	301	20	30.79	50	83	-40	0	0
2:06	15.6	299	25	30.79	51	83	-40	10	0
1:51	11.5	327	21	30.79	52	84	-40	10	0
1:36	8.9	301	18	30.79	53	84	-40	0	0
1:21	7.7	284	18	30.79	53	85	-40	10	0
1:06	5.9	248	13	30.79	53	85	-40	0	0
0:51	4.9	309	9	30.79	53	86	-40	10	0
0:36	5.1	301	11	30.79	54	84	-40	0	0
0:21	5	288	8	30.79	54	85	-40	10	0
0:06	6.6	290	11	30.79	54	85	-40	0	0
Date:	10/22/99								
23:51	6.5	288	11	30.79	54	85	-40	0	0
23:36	4.8	285	10	30.79	55	85	-40	0	0
23:21	3.8	278	9	30.79	55	85	-40	0	0
23:06	4.1	295	7	30.79	54	85	-40	0	0
22:51	3.1	291	6	30.79	54	85	-40	10	0
22:36	2.7	288	5	30.79	54	85	-40	10	0
22:21	2.6	288	4	30.79	54	85	-40	0	0
22:06	3	302	5	30.79	54	84	-40	10	0
21:51	3	305	7	30.79	54	84	-40	10	0
21:36	4.1	290	6	30.79	54	84	-40	0	0
21:21	2.9	291	5	30.79	54	84	-40	10	0
21:06	3.5	281	5	30.79	53	84	-40	10	0
20:51	2.6	202	4	30.79	53	83	-40	10	0
20:36	1.5	141	2	30.79	53	83	-40	10	0
20:21	0.3	141	2	30.79	53	82	-40	0	0
20:06	0	141	1	30.79	54	81	-40	10	0
19:51	0.6	142	2	30.79	54	80	-40	10	0
19:36	1	141	3	30.79	54	80	-40	0	0
19:21	1.4	141	3	30.79	54	79	-40	10	0
19:06	0	138	0	30.79	53	78	-40	10	0
18:51	0.1	138	1	30.79	54	76	-40	10	0
18:36	0.3	138	2	30.79	55	75	-40	10	0
18:21	0.2	136	2	30.79	55	74	-40	10	0
18:06	0.7	132	5	30.79	55	72	-40	10	0
17:51	0.7	145	4	30.79	57	71	-40	0	0
17:36	2.2	149	9	30.79	57	70	-40	0	0
17:21	3	128	9	30.79	58	68	-40	0	0
17:06	3.4	175	9	30.79	58	67	-40	0	0
16:51	3.1	178	10	30.79	58	66	-40	10	0
16:36	4.6	180	11	30.79	59	65	-40	10	0
16:21	3.7	184	14	30.79	60	64	-40	10	0

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16:06	5.3	171	13	30.79	61	63	-40	0	0
15:51	5.2	203	13	30.79	61	63	-40	0	0
15:36	6.7	163	13	30.79	60	63	-40	0	0
15:21	5.4	174	15	30.79	60	64	-40	0	0
15:06	7.1	156	16	30.79	60	63	-40	10	0
14:51	7.7	167	18	30.79	60	62	-40	10	0
14:36	6.8	198	16	30.79	61	63	-40	10	0
14:21	7.3	167	13	30.79	60	64	-40	10	0
14:06	6.6	180	16	30.79	60	62	-40	10	0
13:51	7	149	15	30.79	61	63	-40	0	0
13:36	9.3	159	18	30.79	60	63	-40	0	0
13:21	10.3	184	18	30.79	60	62	-40	10	0
13:06	8.9	166	17	30.79	60	63	-40	0	0
12:51	7.4	175	18	30.79	60	62	-40	0	0
12:36	7.4	196	18	30.79	60	63	-40	10	0
12:21	8.8	178	17	30.79	60	63	-40	0	0
12:06	7.4	159	16	30.79	60	65	-40	0	0
11:51	9.1	166	23	30.79	60	66	-40	10	0
11:36	8.1	177	17	30.79	60	66	-40	0	0
11:21	8.1	182	14	30.79	60	66	-40	10	0
11:06	8	142	18	30.79	60	68	-40	0	0
10:51	6.9	142	17	30.79	59	71	-40	10	0
10:36	7	164	14	30.79	58	72	-40	0	0
10:21	7.9	180	21	30.79	59	72	-40	0	0
10:06	6.8	173	16	30.79	59	75	-40	10	0
9:51	7.6	168	18	30.79	57	76	-40	0	0
9:36	6.6	139	16	30.79	56	78	-40	10	0
9:21	6.8	168	15	30.79	56	79	-40	10	0
9:06	5.1	152	16	30.79	56	80	-40	10	0
8:51	6.8	170	15	30.79	56	81	-40	10	0
8:36	6.8	128	14	30.79	55	82	-40	0	0
8:21	3.7	160	18	30.79	55	83	-40	10	0
8:06	1.6	173	8	30.79	54	85	-40	0	0
7:51	0.7	185	6	30.79	52	86	-40	10	0
7:36	0.4	231	2	30.79	53	86	-40	10	0
7:21	0.4	230	3	30.79	54	85	-40	10	0
7:06	2.4	231	11	30.79	54	87	-40	10	0
6:51	4.8	142	12	30.79	54	88	-40	0	0
6:36	4.8	149	11	30.79	54	90	-40	0	0
6:21	4.4	132	13	30.79	54	91	-40	10	0
6:06	3.4	173	12	30.79	51	93	-40	0	0
5:51	1.3	149	4	30.79	46	94	-40	10	0
5:36	0.9	271	2	30.79	45	93	-40	10	0
5:21	0.6	271	3	30.79	44	93	-40	10	0
5:06	0.4	271	3	30.79	44	93	-40	10	0
4:51	0.8	271	3	30.79	43	93	-40	10	0
4:36	0.3	271	2	30.79	44	92	-40	10	0
4:21	1.3	271	3	30.79	45	92	-40	0	0
4:06	1.2	271	2	30.79	45	92	-40	0	0
3:51	1.1	271	3	30.79	45	92	-40	10	0
3:36	1.2	271	3	30.79	45	92	-40	0	0
3:21	1.1	271	3	30.79	45	91	-40	10	0
3:06	2	271	5	30.79	45	91	-40	0	0
2:51	0.2	271	2	30.79	45	91	-40	0	0
2:36	1	271	3	30.79	45	91	-40	10	0
2:21	2.4	271	49	30.79	45	91	-40	10	0
2:06	0.2	220	2	30.79	45	91	-40	10	0
1:51	0	219	0	30.79	44	91	-40	10	0

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1:36	1	219	3	30.79	43	92	-40	10	0
1:21	0.8	220	2	30.79	41	91	-40	0	0
1:06	0.9	220	2	30.79	40	91	-40	10	0
0:51	0.3	219	2	30.79	40	90	-40	10	0
0:36	0.2	220	2	30.79	40	89	-40	10	0
0:21	0.5	219	2	30.79	40	89	-40	10	0
0:06	0.7	220	2	30.79	40	89	-40	10	0
Date:	10/21/99								
23:51	0.8	220	2	30.79	40	88	-40	10	0
23:36	0.3	219	2	30.79	40	88	-40	10	0
23:21	0.2	220	2	30.79	41	87	-40	0	0
23:06	0.2	220	2	30.79	41	86	-40	10	0
22:51	0.6	220	2	30.79	42	86	-40	0	0
22:36	0.6	220	2	30.79	42	85	-40	0	0
22:21	0	219	0	30.79	42	85	-40	10	0
22:06	0.7	219	2	30.79	43	83	-40	10	0
21:51	0	219	2	30.79	43	83	-40	0	0
21:36	0	220	1	30.79	43	81	-40	0	0
21:21	0.4	220	2	30.79	43	81	-40	0	0
21:06	0	219	0	30.79	43	79	-40	10	0
20:51	0	219	0	30.79	44	79	-40	0	0
20:36	0.4	219	1	30.79	45	76	-40	0	0
20:21	0.2	219	1	30.79	45	75	-40	0	0
20:06	0.2	220	2	30.79	46	73	-40	0	0
19:51	0	219	0	30.79	46	71	-40	10	0
19:36	0	219	0	30.79	46	69	-40	10	0
19:21	0	219	0	30.79	48	67	-40	10	0
19:06	0	219	0	30.79	49	65	-40	10	0
18:51	0	219	0	30.79	49	64	-40	10	0
18:36	0	219	0	30.79	50	62	-40	10	0
18:21	0	219	0	30.79	51	62	-40	0	0
18:06	0	219	3	30.79	51	61	-40	10	0
17:51	0.1	214	4	30.79	52	59	-40	0	0
17:36	0.6	217	6	30.79	54	57	-40	10	0
17:21	1	192	7	30.79	55	54	-40	0	0
17:06	2.6	266	7	30.79	55	51	-40	10	0
16:51	2.2	273	6	30.79	56	51	-40	10	0
16:36	3.5	266	7	30.79	57	51	-40	0	0
16:21	4.4	264	9	30.79	58	51	-40	0	0
16:06	2.9	280	10	30.79	58	51	-40	0	0
15:51	4.1	252	13	30.79	59	52	-40	10	0
15:36	2.9	312	8	30.79	60	51	-40	0	0
15:21	2.9	269	9	30.79	60	51	-40	10	0
15:06	2.5	238	10	30.79	60	53	-40	10	0
14:51	4	313	10	30.79	58	52	-40	10	0
14:36	3.6	278	9	30.79	59	53	-40	0	0
14:21	4.9	251	12	30.79	58	55	-40	0	0
14:06	5.1	354	13	30.79	59	55	-40	0	0
13:51	5.3	269	14	30.79	58	58	-40	10	0
13:36	5.3	327	11	30.79	58	58	-40	10	0
13:21	4.1	281	12	30.79	58	60	-40	10	0
13:06	6	273	12	30.79	58	62	-40	10	0
12:51	6.5	264	15	30.79	57	64	-40	0	0
12:36	8	319	15	30.79	57	66	-40	10	0
12:21	9.3	303	16	30.79	56	70	-40	0	0
12:06	7.9	283	13	30.79	57	72	-40	10	0
11:51	9.6	305	16	30.79	56	77	-40	10	0
11:36	10	283	17	30.79	55	79	-40	10	0

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11:21	6.1	312	14	30.79	55	82	-40	0	0
11:06	7.5	280	15	30.79	55	85	-40	10	0
10:51	8.8	303	14	30.79	55	88	-40	10	0
10:36	8.5	309	16	30.79	54	92	-40	10	0
10:21	9.3	310	14	30.79	53	95	-40	10	0
10:06	9.2	303	18	30.79	52	99	-40	10	0
9:51	7.5	296	11	30.79	52	99	-40	10	0
9:36	7.1	285	13	30.79	52	99	-40	10	0
9:21	6.9	288	13	30.79	51	99	-40	10	0
9:06	6.9	281	10	30.79	50	99	-40	0	0
8:51	6.7	285	13	30.79	48	99	-40	10	0
8:36	6.4	262	10	30.79	46	99	-40	10	0
8:21	4.7	283	8	30.79	45	99	-40	0	0
8:06	3.1	278	5	30.79	44	99	-40	0	0
7:51	2.1	283	3	30.79	43	99	-40	10	0
7:36	0.7	283	2	30.79	43	99	-40	0	0
7:21	1.6	283	4	30.79	44	99	-40	10	0
7:06	2.3	283	3	30.79	44	99	-40	10	0
6:51	2.2	283	4	30.79	44	99	-40	10	0
6:36	2	283	3	30.79	45	99	-40	10	0
6:21	1.9	283	3	30.79	45	99	-40	0	0
6:06	3	283	4	30.79	45	99	-40	0	0
5:51	2.6	299	5	30.79	46	99	-40	0	0
5:36	1.6	306	3	30.79	45	99	-40	10	0
5:21	1.3	306	4	30.79	46	99	-40	10	0
5:06	1.8	308	4	30.79	46	99	-40	10	0
4:51	2	308	6	30.79	47	99	-40	10	0
4:36	3.1	316	5	30.79	47	99	-40	10	0
4:21	3.3	305	5	30.79	48	99	-40	10	0
4:06	4.3	302	10	30.79	48	99	-40	10	0
3:51	5.5	294	8	30.79	48	99	-40	10	0
3:36	5.8	306	11	30.79	49	99	-40	0	0
3:21	5.1	290	11	30.79	49	99	-40	10	0
3:06	4.2	298	7	30.79	49	99	-40	10	0
2:51	3.8	299	7	30.79	49	99	-40	10	0
2:36	4.4	295	8	30.79	49	99	-40	0	0
2:21	3.9	306	6	30.79	49	99	-40	0	0
2:06	4.4	255	7	30.79	49	99	-40	10	0
1:51	4.4	306	7	30.79	49	99	-40	0	0
1:36	5	298	7	30.79	50	99	-40	10	0
1:21	5.5	276	9	30.79	50	99	-40	0	0
1:06	4.7	270	7	30.79	50	99	-40	10	0
0:51	4.4	274	7	30.79	50	99	-40	0	0
0:36	4	278	6	30.79	50	99	-40	10	0
0:21	3.7	284	6	30.79	50	99	-40	0	0
0:06	4.7	288	8	30.79	51	99	-40	10	0
Date:	10/20/99								
23:51	4.5	278	8	30.79	51	99	-40	0	0
23:36	2.8	263	5	30.79	51	99	-40	0	0
23:21	1.8	274	4	30.79	51	99	-40	0	0
23:06	2.5	277	5	30.79	51	99	-40	10	0
22:51	4	277	8	30.79	51	99	-40	10	0
22:36	5.2	271	8	30.79	51	99	-40	10	0
22:21	4.5	285	8	30.79	51	99	-40	0	0
22:06	5.2	288	8	30.79	51	99	-40	0	0
21:51	4.8	323	9	30.79	51	99	-40	10	0
21:36	5.8	283	9	30.79	51	99	-40	0	0
21:21	5.8	294	10	30.79	52	99	-40	10	0

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21:06	6	277	9	30.79	52	99	-40	10	0
20:51	4.9	287	9	30.79	52	99	-40	10	0
20:36	5.3	295	8	30.79	52	99	-40	10	0
20:21	4.7	278	9	30.79	52	99	-40	10	0
20:06	5.7	281	11	30.79	52	99	-40	0	0
19:51	6.2	291	11	30.79	52	99	-40	0	0
19:36	5.4	295	10	30.79	53	99	-40	0	0
19:21	5.8	309	9	30.79	53	99	-40	0	0
19:06	5.7	277	9	30.79	53	99	-40	10	0
18:51	5.8	262	12	30.79	53	99	-40	10	0
18:36	3.2	292	6	30.79	53	99	-40	10	0
18:21	4.3	277	8	30.79	54	99	-40	0	0
18:06	5.1	278	9	30.79	54	99	-40	0	0
17:51	4.2	277	7	30.79	54	99	-40	0	0.01
17:36	5.4	295	10	30.79	54	99	-40	10	0
17:21	7.2	285	14	30.79	54	99	-40	0	0
17:06	6.2	292	11	30.79	54	99	-40	10	0
16:51	6.8	281	10	30.79	54	99	-40	0	0
16:36	6.3	278	10	30.79	54	99	-40	0	0
16:21	5.8	277	10	30.79	54	99	-40	0	0
16:06	6	276	12	30.79	55	98	-40	0	0
15:51	6	269	12	30.79	55	99	-40	0	0
15:36	5.9	278	9	30.79	56	99	-40	10	0
15:21	5.2	269	9	30.79	57	99	-40	10	0
15:06	4.1	345	8	30.79	57	98	-40	0	0.01
14:51	3.1	354	5	30.79	57	97	-40	10	0
14:36	3.1	341	8	30.79	57	97	-40	10	0.01
14:21	2.4	4	4	30.79	57	97	-40	10	0.01
14:06	2.7	348	5	30.79	57	97	-40	10	0.01
13:51	4.2	326	9	30.79	57	97	-40	10	0.02
13:36	4.7	285	8	30.79	56	97	-40	0	0.01
13:21	3.6	281	6	30.79	56	97	-40	0	0.01
13:06	3.1	281	6	30.79	56	96	-40	0	0.01
12:51	3.9	271	6	30.79	56	96	-40	10	0.05
12:36	4	312	7	30.79	56	96	-40	10	0.04
12:21	6.8	280	11	30.79	55	96	-40	10	0.03
12:06	6.6	281	10	30.79	55	96	-40	10	0.04
11:51	5.8	284	11	30.79	55	95	-40	0	0.06
11:36	4.6	276	8	30.79	55	95	-40	10	0.04
11:21	2.2	342	5	30.79	56	94	-40	0	0.01
11:06	2	52	7	30.79	55	95	-40	0	0.01
10:51	2.2	31	4	30.79	55	94	-40	0	0.01
10:36	2.3	18	6	30.79	55	94	-40	0	0
10:21	3.6	1	7	30.79	55	94	-40	10	0.01
10:06	4.3	331	8	30.79	55	93	-40	10	0.01
9:51	3.9	331	6	30.79	55	93	-40	10	0.01
9:36	3.6	337	6	30.79	55	92	-40	10	0.01
9:21	4	334	7	30.79	55	92	-40	0	0
9:06	4.3	337	9	30.79	55	92	-40	0	0.05
8:51	4.3	295	7	30.79	55	91	-40	0	0.06
8:36	2.3	283	5	30.79	55	90	-40	0	0.01
8:21	1.7	334	4	30.79	55	89	-40	0	0
8:06	1.8	303	3	30.79	55	89	-40	10	0.02
7:51	0.3	234	2	30.79	55	88	-40	10	0.02
7:36	0.4	230	3	30.79	55	88	-40	10	0.03
7:21	1.5	184	7	30.79	55	87	-40	10	0.03
7:06	2.9	166	10	30.79	56	87	-40	0	0.03
6:51	2.4	110	9	30.79	57	86	-40	10	0.03

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6:36	1.7	181	9	30.79	57	85	-40	10	0
6:21	2.4	100	8	30.79	57	85	-40	0	0.01
6:06	2.5	95	9	30.79	57	85	-40	10	0
5:51	1.5	43	5	30.79	55	86	-40	10	0
5:36	1.4	56	5	30.79	55	85	-40	10	0
5:21	2	56	5	30.79	55	86	-40	10	0
5:06	2.1	54	5	30.79	54	85	-40	10	0
4:51	1.7	57	3	30.79	54	86	-40	0	0
4:36	0.9	57	4	30.79	54	86	-40	0	0
4:21	1.9	57	4	30.79	54	86	-40	10	0
4:06	2.1	61	4	30.79	53	86	-40	0	0
3:51	2.5	40	5	30.79	53	86	-40	0	0
3:36	2.6	35	4	30.79	53	86	-40	10	0
3:21	1.9	39	4	30.79	52	86	-40	0	0
3:06	1.6	35	3	30.79	52	86	-40	10	0
2:51	1.5	35	4	30.79	52	86	-40	10	0
2:36	1.2	26	4	30.79	51	86	-40	10	0
2:21	0.6	22	3	30.79	51	86	-40	10	0
2:06	1.1	22	3	30.79	51	85	-40	0	0
1:51	1.4	22	4	30.79	51	85	-40	10	0
1:36	0.8	3	3	30.79	51	85	-40	10	0
1:21	1.2	3	4	30.79	51	84	-40	10	0
1:06	1.5	351	3	30.79	50	84	-40	0	0
0:51	2.5	351	4	30.79	50	85	-40	10	0
0:36	1.6	1	5	30.79	50	84	-40	10	0
0:21	0.6	121	3	30.79	50	84	-40	10	0
0:06	0.7	122	3	30.79	49	84	-40	0	0
Date:	10/19/99								
23:51	1.4	122	3	30.79	49	85	-40	0	0
23:36	1.8	132	3	30.79	49	84	-40	0	0
23:21	1.6	143	4	30.79	49	83	-40	10	0
23:06	0.9	143	3	30.79	49	83	-40	10	0
22:51	1.4	143	4	30.79	50	82	-40	10	0
22:36	0.7	143	7	30.79	51	83	-40	0	0
22:21	0.7	57	3	30.79	49	83	-40	10	0
22:06	0.8	57	2	30.79	48	82	-40	10	0
21:51	0.6	57	2	30.79	48	82	-40	0	0
21:36	0.5	57	3	30.79	47	81	-40	0	0
21:21	1	57	2	30.79	47	80	-40	10	0
21:06	0.9	57	3	30.79	47	79	-40	10	0
20:51	1.2	57	4	30.79	48	79	-40	0	0
20:36	0.8	65	3	30.79	48	79	-40	10	0
20:21	0.8	65	3	30.79	48	78	-40	0	0
20:06	0.1	68	2	30.79	49	77	-40	10	0
19:51	0	68	0	30.79	49	76	-40	10	0
19:36	0	68	0	30.79	50	75	-40	10	0
19:21	0	68	0	30.79	51	75	-40	10	0
19:06	0	68	0	30.79	50	74	-40	10	0
18:51	0	68	0	30.79	50	72	-40	0	0
18:36	0	68	0	30.79	51	72	-40	10	0
18:21	0	68	0	30.79	51	71	-40	0	0
18:06	0	68	0	30.79	51	70	-40	10	0
17:51	0	68	1	30.79	51	69	-40	10	0
17:36	0.1	68	2	30.79	52	70	-40	10	0
17:21	0	71	6	30.79	52	69	-40	0	0
17:06	0.3	61	6	30.79	52	69	-40	10	0
16:51	0.1	58	5	30.79	53	69	-40	0	0
16:36	0.1	81	7	30.79	53	69	-40	10	0

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16:21	0.4	92	5	30.79	54	69	-40	10	0
16:06	0.1	78	6	30.79	54	68	-40	10	0
15:51	0.2	149	5	30.79	53	69	-40	0	0
15:36	0.4	81	6	30.79	54	67	-40	10	0
15:21	1.2	113	9	30.79	55	65	-40	10	0
15:06	0.9	106	5	30.79	57	67	-40	10	0
14:51	0.5	111	8	30.79	55	69	-40	0	0
14:36	0.6	171	7	30.79	54	68	-40	10	0
14:21	2.1	150	9	30.79	54	67	-40	0	0
14:06	2	124	8	30.79	54	66	-40	10	0
13:51	1.3	142	11	30.79	55	65	-40	10	0
13:36	0.6	106	6	30.79	54	65	-40	10	0
13:21	0.8	136	7	30.79	56	64	-40	10	0
13:06	2.2	96	12	30.79	57	64	-40	0	0
12:51	1.8	160	10	30.79	55	65	-40	10	0
12:36	0.7	100	6	30.79	54	66	-40	10	0
12:21	2.2	92	7	30.79	53	65	-40	10	0
12:06	1.5	52	8	30.79	54	64	-40	10	0
11:51	1.7	85	8	30.79	54	64	-40	10	0
11:36	0.2	77	6	30.79	55	64	-40	10	0
11:21	0.3	52	7	30.79	54	67	-40	10	0
11:06	0.1	155	6	30.79	52	67	-40	0	0
10:51	1.1	33	7	30.79	51	69	-40	0	0
10:36	3.1	58	9	30.79	50	69	-40	10	0
10:21	2.8	1	8	30.79	50	71	-40	0	0
10:06	4.6	49	11	30.79	48	72	-40	10	0
9:51	4.8	1	10	30.79	48	73	-40	0	0
9:36	5.4	36	10	30.79	47	75	-40	0	0
9:21	6.5	70	12	30.79	46	77	-40	10	0
9:06	6	46	12	30.79	45	80	-40	10	0
8:51	4.5	354	10	30.79	44	82	-40	0	0
8:36	2.9	18	7	30.79	42	84	-40	30	0
8:21	3.1	7	6	30.79	42	84	-40	0	0
8:06	2.4	17	5	30.79	42	84	-40	0	0
7:51	2.8	1	6	30.79	42	84	-40	30	0
7:36	2.7	10	9	30.79	42	84	-40	0	0
7:21	2.1	26	9	30.79	41	85	-40	0	0
7:06	1.7	7	4	30.79	39	86	-40	0	0
6:51	2.1	15	5	30.79	37	86	-40	10	0
6:36	2.3	6	7	30.79	37	86	-40	10	0
6:21	1.5	1	4	30.79	36	85	-40	10	0
6:06	1.3	1	4	30.79	37	85	-40	10	0
5:51	0.9	1	3	30.79	37	84	-40	0	0
5:36	0.4	1	2	30.79	37	84	-40	0	0
5:21	0.7	1	2	30.79	37	83	-40	10	0
5:06	1.7	1	3	30.79	38	82	-40	10	0
4:51	1.1	1	4	30.79	39	81	-40	10	0
4:36	1.4	152	4	30.79	39	81	-40	0	0
4:21	2.4	77	7	30.79	40	80	-40	0	0
4:06	2.9	40	6	30.79	40	79	-40	0	0
3:51	2.4	40	8	30.79	40	79	-40	10	0
3:36	1.6	21	6	30.79	40	79	-40	0	0
3:21	1.9	60	7	30.79	40	78	-40	0	0
3:06	2	35	8	30.79	40	77	-40	0	0
2:51	0	1	1	30.79	41	76	-40	0	0
2:36	0	1	3	30.79	42	75	-40	10	0
2:21	1.6	1	6	30.79	42	74	-40	10	0
2:06	2.7	19	9	30.79	43	74	-40	0	0

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1:51	4.8	3	10	30.79	44	74	-40	0	0
1:36	4.3	347	11	30.79	44	74	-40	0	0
1:21	5.1	1	13	30.79	45	74	-40	10	0
1:06	5.9	39	12	30.79	45	74	-40	10	0
0:51	5.7	349	11	30.79	45	75	-40	0	0
0:36	1.4	8	6	30.79	45	74	-40	10	0
0:21	3.7	355	8	30.79	45	72	-40	10	0
0:06	4.6	345	9	30.79	46	71	-40	0	0
Date:	10/18/99								
23:51	5.1	305	9	30.79	46	72	-40	0	0
23:36	5.7	317	13	30.79	46	71	-40	10	0
23:21	6.4	335	14	30.79	47	70	-40	10	0
23:06	4.9	327	9	30.79	47	70	-40	0	0
22:51	2.9	330	8	30.79	48	69	-40	10	0
22:36	5.3	335	10	30.79	48	68	-40	10	0
22:21	3.7	319	9	30.79	48	68	-40	0	0
22:06	6	345	14	30.79	49	67	-40	10	0
21:51	5.4	344	13	30.79	49	67	-40	0	0
21:36	6.8	349	12	30.79	49	67	-40	0	0
21:21	5.8	348	11	30.79	50	66	-40	10	0
21:06	4.9	340	11	30.79	50	66	-40	10	0
20:51	3.4	337	10	30.79	50	65	-40	10	0
20:36	1.4	329	7	30.79	50	64	-40	10	0
20:21	1.7	334	8	30.79	51	63	-40	0	0
20:06	4.6	341	10	30.79	51	62	-40	0	0
19:51	4.6	329	11	30.79	52	62	-40	0	0
19:36	5.6	295	15	30.79	52	63	-40	0	0
19:21	3.7	348	9	30.79	51	63	-40	10	0
19:06	4.1	354	11	30.79	52	62	-40	10	0
18:51	6	347	10	30.79	52	62	-40	0	0
18:36	5.8	345	13	30.79	52	61	-40	10	0
18:21	5.6	331	11	30.79	52	60	-40	0	0
18:06	3.5	322	11	30.79	53	61	-40	10	0
17:51	4.4	337	12	30.79	54	59	-40	0	0
17:36	1.5	342	6	30.79	54	58	-40	0	0
17:21	3.1	330	10	30.79	55	55	-40	10	0
17:06	4.9	338	13	30.79	55	53	-40	10	0
16:51	9.5	303	21	30.79	57	51	-40	10	0
16:36	8.7	354	18	30.79	57	51	-40	0	0
16:21	10.1	347	19	30.79	57	51	-40	10	0
16:06	12.6	35	25	30.79	58	51	-40	0	0
15:51	15.3	327	30	30.79	58	50	-40	0	0
15:36	13.8	293	25	30.79	58	52	-40	0	0
15:21	13	331	32	30.79	58	52	-40	10	0
15:06	18.2	324	33	30.79	58	51	-40	0	0
14:51	18.8	334	35	30.79	58	53	-40	10	0
14:36	17.3	326	35	30.79	58	54	-40	10	0
14:21	19.1	344	36	30.79	58	51	-40	10	0
14:06	16.7	322	32	30.79	57	56	-40	0	0
13:51	16.4	319	36	30.79	57	58	-40	10	0
13:36	21.6	319	38	30.79	57	58	-40	10	0
13:21	20.7	327	37	30.79	57	58	-40	10	0
13:06	14.8	320	30	30.79	58	59	-40	10	0
12:51	15.8	352	38	30.79	57	60	-40	10	0
12:36	24.2	319	40	30.79	57	60	-40	10	0
12:21	21.8	288	43	30.79	57	60	-40	0	0
12:06	19.2	310	30	30.79	58	62	-40	0	0
11:51	21.7	13	38	30.79	57	62	-40	0	0

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11:36	21.6	338	38	30.79	57	64	-40	10	0
11:21	19.8	320	40	30.79	56	66	-40	10	0
11:06	21.5	322	50	30.79	57	71	-40	10	0
10:51	22.8	348	37	30.79	58	69	-40	0	0
10:36	20.5	327	34	30.79	55	74	-40	0	0
10:21	19.6	322	34	30.79	55	76	-40	10	0
10:06	18.2	320	35	30.79	55	79	-40	0	0
9:51	16.4	354	34	30.79	55	80	-40	10	0
9:36	14.4	319	32	30.79	54	83	-40	10	0
9:21	13	349	35	30.79	54	85	-40	10	0
9:06	14.2	306	27	30.79	54	89	-40	0	0
8:51	14.3	330	30	30.79	54	90	-40	10	0
8:36	11.9	335	24	30.79	54	91	-40	0	0
8:21	13	340	25	30.79	53	93	-40	10	0
8:06	15.1	330	30	30.79	53	94	-40	10	0
7:51	13.9	322	26	30.79	52	95	-40	0	0
download completed:									

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West Islip, NY

:start of data:									
Station: DZUSFASTENERS									
English Units									
Loging Period in minutes: 15									
Date and Time: 11/08/1999	9:38								
TIME	WS	WD	PK	BP	T1	RH1	T2	SR	RF
HH:MM	mph	deg	mph	in	F	%	F	W/m^2	in
Date:	11/8/99								
9:31	5.6	283	14	30.79	40	68	-40	0	0
9:16	5.5	251	12	30.79	40	70	-40	10	0
9:01	7.2	256	10	30.79	39	71	-40	10	0
8:46	6.3	290	11	30.79	39	73	-40	10	0
8:31	6.4	271	12	30.79	38	75	-40	0	0
8:16	2.5	303	9	30.79	38	76	-40	0	0
8:01	1.3	271	6	30.79	36	77	-40	10	0
7:46	0.5	271	3	30.79	33	77	-40	10	0
7:31	1	273	2	30.79	31	77	-40	10	0
7:16	1.5	273	2	30.79	30	77	-40	0	0
7:01	2.2	273	3	30.79	30	78	-40	0	0
6:46	1.9	273	3	30.79	30	77	-40	10	0
6:31	1.7	273	3	30.79	30	77	-40	0	0
6:16	2.3	273	4	30.79	30	77	-40	10	0
6:01	2.7	273	4	30.79	30	76	-40	0	0
5:46	2.3	273	3	30.79	30	76	-40	10	0
5:31	2.1	273	4	30.79	30	76	-40	10	0
5:16	2.5	273	3	30.79	30	75	-40	0	0
5:01	1.1	273	2	30.79	29	75	-40	0	0
4:46	1.5	273	3	30.79	30	74	-40	10	0
4:31	2	273	3	30.79	30	73	-40	0	0
4:16	0.4	273	2	30.79	30	71	-40	0	0
4:01	0.2	273	1	30.79	30	71	-40	0	0
3:46	0	273	1	30.79	30	70	-40	0	0
3:31	0	273	0	30.79	30	70	-40	0	0
3:16	0	273	0	30.79	31	69	-40	0	0
3:01	0	273	0	30.79	31	70	-40	0	0
2:46	0	273	0	30.79	31	68	-40	0	0
2:31	0	273	0	30.79	31	68	-40	0	0
2:16	0	273	2	30.79	31	66	-40	0	0
2:01	0	273	2	30.79	31	65	-40	0	0
1:46	0	296	0	30.79	32	63	-40	10	0
1:31	0	296	0	30.79	33	62	-40	0	0
1:16	0.7	296	4	30.79	34	62	-40	0	0
1:01	2	290	5	30.79	34	61	-40	0	0
0:46	0.3	302	4	30.79	34	61	-40	10	0
0:31	1.5	291	4	30.79	34	60	-40	0	0
0:16	2.9	295	6	30.79	36	58	-40	10	0
0:01	5.3	298	11	30.79	36	58	-40	10	0
Date:	11/7/99								
23:46	4.7	308	8	30.79	36	57	-40	0	0
23:31	4.1	308	6	30.79	36	56	-40	10	0
23:16	4.2	295	6	30.79	36	56	-40	0	0
23:01	4.5	288	7	30.79	37	54	-40	10	0
22:46	5.3	309	9	30.79	37	55	-40	10	0
22:31	6	298	13	30.79	37	54	-40	0	0
22:16	5.9	287	8	30.79	38	53	-40	0	0
22:01	5	277	9	30.79	38	53	-40	0	0

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21:46	6.2	269	10	30.79	39	52	-40	0	0
21:31	7.7	331	14	30.79	39	52	-40	0	0
21:16	7.7	309	18	30.79	39	51	-40	0	0
21:01	9	354	14	30.79	39	51	-40	0	0
20:46	9.5	316	17	30.79	40	51	-40	0	0
20:31	6.1	301	14	30.79	40	50	-40	0	0
20:16	9.6	310	19	30.79	40	50	-40	0	0
20:01	9	273	18	30.79	40	49	-40	0	0
19:46	8.2	306	17	30.79	41	49	-40	0	0
19:31	9	296	16	30.79	41	48	-40	10	0
19:16	8.4	290	17	30.79	41	48	-40	10	0
19:01	10	312	17	30.79	42	47	-40	0	0
18:46	12.8	322	22	30.79	42	46	-40	10	0
18:31	12.3	296	22	30.79	42	45	-40	0	0
18:16	10.5	303	21	30.79	42	44	-40	10	0
18:01	7.5	308	15	30.79	43	45	-40	0	0
17:46	11.1	274	19	30.79	43	44	-40	0	0
17:31	11.6	298	20	30.79	43	42	-40	0	0
17:16	15.7	298	25	30.79	44	41	-40	10	0
17:01	15	264	26	30.79	44	42	-40	0	0
16:46	13.5	284	25	30.79	45	41	-40	0	0
16:31	11.7	303	21	30.79	45	41	-40	0	0
16:16	13.6	278	26	30.79	45	40	-40	0	0
16:01	14.8	278	32	30.79	46	39	-40	0	0
15:46	16	292	31	30.79	46	39	-40	0	0
15:31	20.1	271	29	30.79	46	39	-40	10	0
15:16	16.2	278	31	30.79	46	40	-40	0	0
15:01	14.9	280	24	30.79	47	39	-40	0	0
14:46	19.5	271	32	30.79	46	39	-40	10	0
14:31	13.2	287	25	30.79	47	40	-40	0	0
14:16	17	276	31	30.79	48	39	-40	0	0
14:01	14.6	287	29	30.79	47	38	-40	10	0
13:46	17.7	294	28	30.79	48	39	-40	0	0
13:31	15.2	281	31	30.79	48	39	-40	10	0
13:16	13.9	269	24	30.79	48	39	-40	10	0
13:01	15.4	306	25	30.79	48	39	-40	10	0
12:46	16.2	284	31	30.79	48	40	-40	10	0
12:31	12.2	276	27	30.79	48	41	-40	0	0
12:16	18.8	302	29	30.79	47	40	-40	10	0
12:01	17.2	288	31	30.79	47	40	-40	10	0
11:46	15.3	344	26	30.79	47	39	-40	0	0
11:31	12.8	302	22	30.79	48	41	-40	10	0
11:16	13.8	277	28	30.79	46	41	-40	10	0
11:01	15.5	317	25	30.79	47	42	-40	10	0
10:46	15.1	284	27	30.79	47	43	-40	0	0
10:31	9.8	319	19	30.79	47	45	-40	10	0
10:16	9.9	278	19	30.79	46	46	-40	0	0
10:01	7.7	330	16	30.79	46	46	-40	10	0
9:46	8.9	271	18	30.79	46	46	-40	10	0
9:31	8.8	308	16	30.79	46	46	-40	0	0
9:16	12.2	340	20	30.79	46	46	-40	0	0
9:01	10.1	352	18	30.79	46	45	-40	10	0
8:46	12	309	24	30.79	45	46	-40	0	0
8:31	8	309	19	30.79	46	45	-40	0	0
8:16	9.9	280	18	30.79	46	45	-40	0	0
8:01	9.6	283	19	30.79	45	48	-40	10	0
7:46	9.2	301	14	30.79	45	50	-40	10	0
7:31	8.5	278	16	30.79	44	52	-40	0	0
7:16	8.5	288	17	30.79	43	56	-40	0	0
7:01	9.3	287	15	30.79	42	59	-40	10	0
6:46	9.5	271	20	30.79	42	59	-40	10	0

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6:31	10.3	294	15	30.79	43	59	-40	10	0
6:16	7.1	280	14	30.79	42	60	-40	0	0
6:01	6	238	12	30.79	42	58	-40	0	0
5:46	6	258	15	30.79	43	58	-40	10	0
5:31	5.5	267	11	30.79	42	57	-40	10	0
5:16	7	263	12	30.79	43	58	-40	0	0
5:01	5.8	264	10	30.79	43	57	-40	0	0
4:46	5.1	258	9	30.79	43	55	-40	10	0
4:31	5.2	263	9	30.79	43	55	-40	0	0
4:16	7.2	283	12	30.79	44	54	-40	0	0
4:01	9.1	273	15	30.79	45	53	-40	10	0
3:46	9	292	16	30.79	45	52	-40	10	0
3:31	13.5	270	20	30.79	45	51	-40	0	0
3:16	10.4	270	18	30.79	45	50	-40	0	0
3:01	12.2	280	19	30.79	46	49	-40	10	0
2:46	10.3	284	20	30.79	46	48	-40	10	0
2:31	11	276	19	30.79	47	47	-40	0	0
2:16	12.2	302	19	30.79	48	46	-40	0	0
2:01	9.3	296	20	30.79	48	46	-40	0	0
1:46	9.2	280	16	30.79	48	44	-40	0	0
1:31	11.8	281	23	30.79	49	43	-40	0	0
1:16	13.1	292	23	30.79	49	41	-40	0	0
1:01	13.4	291	25	30.79	50	41	-40	0	0
0:46	9.7	290	20	30.79	51	39	-40	10	0
0:31	10.8	308	22	30.79	52	38	-40	0	0
0:16	14.3	298	29	30.79	52	37	-40	0	0
0:01	13.5	276	28	30.79	53	37	-40	10	0
Date:	11/8/99								
23:46	14.3	303	26	30.79	54	38	-40	10	0
23:31	13.3	302	22	30.79	54	39	-40	0	0
23:16	12.9	278	26	30.79	54	41	-40	0	0
23:01	12.6	288	25	30.79	54	42	-40	10	0
22:46	8.3	288	18	30.79	54	44	-40	0	0
22:31	4.9	299	8	30.79	54	45	-40	0	0
22:16	3.5	280	9	30.79	54	45	-40	0	0
22:01	3	296	6	30.79	54	45	-40	10	0
21:46	2.7	292	6	30.79	54	45	-40	10	0
21:31	4	291	8	30.79	55	44	-40	0	0
21:16	3.2	305	6	30.79	55	44	-40	10	0
21:01	3.8	291	8	30.79	55	44	-40	10	0
20:46	3.2	317	7	30.79	55	43	-40	10	0
20:31	3.7	308	7	30.79	55	43	-40	0	0
20:16	4.2	305	8	30.79	56	42	-40	10	0
20:01	3.7	323	8	30.79	55	42	-40	10	0
19:46	4.1	317	7	30.79	55	41	-40	0	0
19:31	3.4	312	6	30.79	56	40	-40	0	0
19:16	4.5	291	7	30.79	57	38	-40	0	0
19:01	4.8	280	8	30.79	58	37	-40	0	0
18:46	5.7	276	9	30.79	58	37	-40	0	0
18:31	5.1	278	9	30.79	58	37	-40	10	0
18:16	3.1	274	5	30.79	58	35	-40	0	0
18:01	2.9	274	5	30.79	58	33	-40	10	0
17:46	3.8	274	6	30.79	60	32	-40	10	0
17:31	4.9	273	11	30.79	60	31	-40	10	0
17:16	6.6	280	11	30.79	61	29	-40	10	0
17:01	6.7	288	13	30.79	61	29	-40	0	0
16:46	7.4	281	11	30.79	62	28	-40	0	0
16:31	6.8	280	13	30.79	63	28	-40	10	0
16:16	10.3	269	18	30.79	63	26	-40	10	0
16:01	11.3	280	18	30.79	64	26	-40	10	0
15:46	13.3	274	22	30.79	64	26	-40	10	0

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15:31	11.5	271	22	30.79	64	27	-40	10	0
15:16	11	273	21	30.79	64	26	-40	10	0
15:01	11.3	273	21	30.79	65	27	-40	0	0
14:46	10.3	274	25	30.79	65	28	-40	0	0
14:31	11.8	256	21	30.79	66	27	-40	0	0
14:16	13.9	276	22	30.79	64	27	-40	10	0
14:01	12.1	271	24	30.79	65	27	-40	0	0
13:46	14.8	277	26	30.79	64	29	-40	10	0
13:31	13.7	271	22	30.79	64	33	-40	10	0
13:16	13.3	273	26	30.79	64	34	-40	10	0
13:01	11.5	267	22	30.79	64	37	-40	10	0
12:46	11.6	258	23	30.79	64	37	-40	10	0
12:31	16.9	312	28	30.79	63	37	-40	0	0
12:16	15.3	259	27	30.79	63	38	-40	10	0
12:01	15.4	276	25	30.79	63	39	-40	10	0
11:46	11.6	245	26	30.79	64	41	-40	10	0
11:31	11.3	271	24	30.79	63	44	-40	10	0
11:16	7	259	20	30.79	63	47	-40	0	0
11:01	11.1	267	20	30.79	62	49	-40	0	0
10:46	9.8	271	20	30.79	63	49	-40	10	0
10:31	4.6	256	19	30.79	62	51	-40	0	0
10:16	3	269	13	30.79	61	52	-40	10	0
10:01	2.6	210	10	30.79	61	52	-40	0	0
9:46	3.6	248	10	30.79	59	53	-40	0	0
9:31	3.6	263	14	30.79	58	52	-40	0	0
9:16	5.2	253	13	30.79	60	53	-40	0	0
9:01	4.7	259	13	30.79	58	52	-40	10	0
8:46	3.1	251	12	30.79	59	52	-40	10	0
8:31	3.5	260	11	30.79	58	53	-40	0	0
8:16	5.8	263	12	30.79	57	55	-40	10	0
8:01	2.3	262	8	30.79	57	56	-40	10	0
7:46	1.3	241	9	30.79	55	57	-40	0	0
7:31	2.1	258	11	30.79	55	56	-40	10	0
7:16	1.6	246	9	30.79	54	57	-40	0	0
7:01	1.5	260	12	30.79	54	57	-40	0	0
6:46	1.1	221	11	30.79	54	56	-40	10	0
6:31	1.9	248	11	30.79	55	54	-40	10	0
6:16	2	227	12	30.79	55	54	-40	0	0
6:01	1.6	224	11	30.79	55	53	-40	0	0
5:46	1.7	255	10	30.79	55	52	-40	10	0
5:31	1.8	210	9	30.79	55	52	-40	10	0
5:16	0.8	239	14	30.79	55	52	-40	0	0
5:01	1.4	274	8	30.79	56	52	-40	10	0
4:46	2.8	256	12	30.79	56	52	-40	0	0
4:31	2.3	232	10	30.79	55	53	-40	0	0
4:16	2.8	242	11	30.79	55	53	-40	10	0
4:01	3.4	260	12	30.79	55	53	-40	10	0
3:46	1.6	249	10	30.79	55	52	-40	0	0
3:31	2.6	232	12	30.79	55	52	-40	10	0
3:16	2.7	221	13	30.79	56	51	-40	0	0
3:01	2.5	248	11	30.79	55	51	-40	0	0
2:46	2.1	259	11	30.79	55	51	-40	0	0
2:31	1.8	251	12	30.79	55	51	-40	0	0
2:16	1.6	239	8	30.79	55	50	-40	0	0
2:01	1.3	259	7	30.79	55	49	-40	10	0
1:46	1.4	248	8	30.79	56	49	-40	0	0
1:31	2.6	231	13	30.79	56	48	-40	0	0
1:16	2.5	278	12	30.79	56	49	-40	10	0
1:01	4.5	251	16	30.79	57	50	-40	10	0
0:46	4.2	214	13	30.79	57	51	-40	0	0
0:31	2.5	226	11	30.79	56	54	-40	0	0

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0:16	0.9	256	12	30.79	55	55	-40	0	0
0:01	0.4	237	10	30.79	56	56	-40	10	0
Date:	11/5/99								
23:46	0.8	245	8	30.79	55	55	-40	10	0
23:31	0.9	216	12	30.79	55	54	-40	10	0
23:16	2.8	214	12	30.79	56	53	-40	10	0
23:01	3.7	228	10	30.79	55	55	-40	0	0
22:46	1.4	217	11	30.79	55	57	-40	0	0
22:31	2.3	206	9	30.79	55	57	-40	10	0
22:16	3.1	189	11	30.79	55	57	-40	0	0
22:01	4.9	200	13	30.79	55	57	-40	0	0
21:46	3.4	212	11	30.79	55	59	-40	10	0
21:31	3.3	239	14	30.79	55	59	-40	10	0
21:16	2.9	284	13	30.79	56	61	-40	10	0
21:01	3.4	223	12	30.79	55	62	-40	0	0
20:46	3.9	203	14	30.79	55	63	-40	10	0
20:31	3	212	12	30.79	56	65	-40	10	0
20:16	2.9	196	12	30.79	55	66	-40	10	0
20:01	2.8	220	16	30.79	55	66	-40	10	0
19:46	3	200	16	30.79	55	67	-40	0	0
19:31	3.1	191	17	30.79	55	68	-40	0	0
19:16	3.1	187	17	30.79	55	69	-40	0	0
19:01	1.4	193	13	30.79	55	69	-40	0	0
18:46	5.1	202	16	30.79	56	68	-40	10	0
18:31	3.7	173	14	30.79	56	69	-40	10	0
18:16	3.2	192	13	30.79	55	69	-40	0	0
18:01	3.7	244	14	30.79	55	68	-40	0	0
17:46	2.6	192	17	30.79	55	68	-40	10	0
17:31	3.6	200	20	30.79	55	68	-40	10	0
17:16	5.1	198	18	30.79	56	66	-40	0	0
17:01	4.5	214	15	30.79	56	68	-40	10	0
16:46	4.5	183	15	30.79	56	65	-40	10	0
16:31	4.6	187	15	30.79	57	64	-40	10	0
16:16	4.6	155	14	30.79	57	63	-40	10	0
16:01	4.1	178	16	30.79	57	62	-40	0	0
15:46	4.1	157	17	30.79	58	62	-40	10	0
15:31	6.3	191	19	30.79	58	61	-40	10	0
15:16	3.5	159	13	30.79	58	61	-40	10	0
15:01	4.4	167	16	30.79	58	58	-40	0	0
14:46	1.8	153	12	30.79	58	58	-40	10	0
14:31	4.2	193	15	30.79	61	51	-40	10	0
14:16	1.8	166	12	30.79	62	49	-40	10	0
14:01	2.8	142	14	30.79	62	48	-40	10	0
13:46	6.3	199	14	30.79	62	45	-40	0	0
13:31	4.9	189	16	30.79	62	44	-40	0	0
13:16	2.3	196	12	30.79	63	41	-40	0	0
13:01	2.1	175	15	30.79	63	41	-40	0	0
12:46	4.1	210	15	30.79	62	41	-40	10	0
12:31	1.9	214	14	30.79	63	39	-40	10	0
12:16	2.9	214	13	30.79	61	39	-40	10	0
12:01	1.9	188	13	30.79	61	38	-40	0	0
11:46	1.5	210	11	30.79	60	38	-40	10	0
11:31	1.5	202	11	30.79	61	39	-40	10	0
11:16	0.8	196	11	30.79	60	42	-40	0	0
11:01	2.6	220	12	30.79	60	42	-40	0	0
10:46	1.4	212	11	30.79	61	42	-40	0	0
10:31	1.1	175	9	30.79	61	40	-40	0	0
10:16	1.9	187	9	30.79	60	41	-40	0	0
10:01	1.7	198	9	30.79	58	44	-40	0	0
download completed:									

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West Islip, NY

:start of data:									
Station: DZUSFASTENERS									
English Units									
Loging Period in minutes: 15									
Date and T	12:45								
TIME	WS	WD	PK	BP	T1	RH1	T2	SR	RF
HH:MM	mph	deg	mph	in	F	%	F	W/m^2	in
Date:	11/16/99								
12:31	23.8	288	42	30.79	38	53	-40	10	0
12:16	21.2	286	34	30.79	38	53	-40	10	0
12:01	20.9	287	40	30.79	38	53	-40	0	0
11:46	21.6	278	41	30.79	37	52	-40	10	0
11:31	18.6	296	30	30.79	37	53	-40	0	0
11:16	19	263	39	30.79	37	53	-40	10	0
11:01	23.5	252	35	30.79	36	53	-40	10	0
10:46	19.7	266	37	30.79	37	53	-40	0	0
10:31	18.8	251	35	30.79	37	52	-40	10	0
10:16	19.2	277	30	30.79	36	52	-40	0	0
10:01	15.5	281	27	30.79	36	54	-40	10	0
9:46	19.1	273	29	30.79	36	54	-40	10	0
9:31	20	276	35	30.79	35	54	-40	10	0
9:16	23.3	276	35	30.79	34	54	-40	0	0
9:01	19.7	278	35	30.79	34	54	-40	10	0
8:46	18.8	281	33	30.79	34	54	-40	0	0
8:31	16.2	256	31	30.79	34	54	-40	10	0
8:16	17.8	269	32	30.79	34	55	-40	0	0
8:01	15.4	264	27	30.79	33	56	-40	0	0
7:46	15.9	280	26	30.79	33	56	-40	0	0
7:31	15.7	274	27	30.79	33	57	-40	10	0
7:16	11.3	277	21	30.79	33	58	-40	10	0
7:01	13.3	291	23	30.79	32	58	-40	10	0
6:46	10.2	264	20	30.79	32	58	-40	0	0
6:31	14.7	276	26	30.79	33	58	-40	0	0
6:16	16.1	290	28	30.79	33	58	-40	0	0
6:01	12.2	274	24	30.79	33	60	-40	10	0
5:46	11.8	266	19	30.79	33	61	-40	0	0
5:31	15	274	23	30.79	33	62	-40	10	0
5:16	15	266	23	30.79	33	62	-40	10	0
5:01	15.1	260	21	30.79	33	62	-40	10	0
4:46	11.9	256	19	30.79	34	62	-40	0	0
4:31	13.3	266	26	30.79	34	62	-40	0	0
4:16	11.5	256	20	30.79	34	62	-40	0	0
4:01	10.7	265	17	30.79	34	62	-40	10	0
3:46	10.5	299	23	30.79	34	62	-40	10	0
3:31	13.4	260	22	30.79	34	62	-40	10	0
3:16	12.9	276	21	30.79	34	61	-40	10	0

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3:01	12.7	263	23	30.79	34	62	-40	0	0
2:46	14.7	278	23	30.79	34	61	-40	0	0
2:31	14.4	260	23	30.79	34	61	-40	0	0
2:16	14.9	276	28	30.79	35	61	-40	10	0
2:01	18.2	264	30	30.79	35	60	-40	0	0
1:46	12.4	269	21	30.79	35	60	-40	0	0
1:31	15.9	253	26	30.79	36	60	-40	0	0
1:16	14.8	280	26	30.79	36	59	-40	0	0
1:01	12.5	278	26	30.79	36	59	-40	0	0
0:46	13.9	255	27	30.79	36	58	-40	0	0
0:31	12.1	253	22	30.79	36	58	-40	0	0
0:16	13.1	253	24	30.79	36	58	-40	0	0
0:01	14	260	20	30.79	36	58	-40	0	0
Date:	11/15/99								
23:46	17.6	288	30	30.79	37	57	-40	10	0
23:31	13.1	271	25	30.79	37	57	-40	10	0
23:16	17.1	264	27	30.79	37	58	-40	0	0
23:01	15.2	264	29	30.79	37	59	-40	10	0
22:46	14.8	273	22	30.79	37	58	-40	10	0
22:31	15.8	273	24	30.79	37	58	-40	10	0
22:16	14.6	295	30	30.79	37	57	-40	10	0
22:01	15.8	291	27	30.79	38	57	-40	10	0
21:46	14.4	285	24	30.79	38	56	-40	10	0
21:31	14.1	266	23	30.79	39	56	-40	10	0
21:16	14.3	281	24	30.79	39	54	-40	10	0
21:01	16.6	263	27	30.79	39	54	-40	10	0
20:46	14.2	278	21	30.79	39	54	-40	10	0
20:31	14.8	301	27	30.79	39	55	-40	0	0
20:16	15.6	277	24	30.79	39	55	-40	0	0
20:01	13.6	271	23	30.79	39	55	-40	10	0
19:46	14.8	276	23	30.79	39	55	-40	10	0
19:31	16.8	284	29	30.79	40	55	-40	10	0
19:16	16.8	296	28	30.79	40	55	-40	0	0
19:01	16.3	284	27	30.79	40	55	-40	10	0
18:46	17	273	25	30.79	40	54	-40	0	0
18:31	19.1	278	30	30.79	40	53	-40	0	0
18:16	17.5	278	30	30.79	40	52	-40	0	0
18:01	16.3	280	28	30.79	40	51	-40	0	0
17:46	15.8	267	28	30.79	40	50	-40	0	0
17:31	18.3	276	31	30.79	40	49	-40	0	0
17:16	16.6	281	28	30.79	41	48	-40	0	0
17:01	14.8	270	24	30.79	40	49	-40	10	0
16:46	17.4	260	28	30.79	41	48	-40	10	0
16:31	17.5	280	27	30.79	41	47	-40	10	0
16:16	17.9	290	29	30.79	42	47	-40	10	0
16:01	19.7	296	38	30.79	42	46	-40	0	0
15:46	22.5	260	33	30.79	42	47	-40	10	0
15:31	20	263	34	30.79	43	46	-40	10	0
15:16	18.7	248	36	30.79	43	47	-40	10	0
15:01	22	270	36	30.79	43	47	-40	0	0
14:46	19.4	252	36	30.79	43	46	-40	10	0

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14:31	17.7	274	29	30.79	45	48	-40	10	0
14:16	22.1	313	33	30.79	44	49	-40	10	0
14:01	18.9	271	30	30.79	45	50	-40	0	0
13:46	20.5	280	30	30.79	44	49	-40	10	0
13:31	18.4	260	34	30.79	45	49	-40	0	0
13:16	16.5	281	36	30.79	45	48	-40	0	0
13:01	15.9	301	29	30.79	45	48	-40	0	0
12:46	16.9	280	28	30.79	45	49	-40	0	0
12:31	17.4	280	31	30.79	45	48	-40	10	0
12:16	18.9	260	33	30.79	45	47	-40	10	0
12:01	19.8	263	32	30.79	44	49	-40	10	0
11:46	17.2	270	30	30.79	44	51	-40	0	0
11:31	21.1	256	32	30.79	43	52	-40	0	0
11:16	21.8	296	32	30.79	43	52	-40	10	0
11:01	20.1	263	33	30.79	43	53	-40	0	0
10:46	17.7	259	32	30.79	42	54	-40	0	0
10:31	11.2	266	30	30.79	43	54	-40	0	0
10:16	16.6	302	31	30.79	43	54	-40	0	0
10:01	15.4	305	31	30.79	43	54	-40	0	0
9:46	18.6	284	31	30.79	43	54	-40	0	0
9:31	18.1	266	33	30.79	42	55	-40	0	0
9:16	16.9	294	31	30.79	42	54	-40	10	0
9:01	15	284	29	30.79	43	55	-40	10	0
8:46	15.4	306	29	30.79	42	58	-40	10	0
8:31	12.5	290	22	30.79	42	60	-40	0	0
8:16	13.7	273	23	30.79	42	61	-40	10	0
8:01	11	283	19	30.79	41	63	-40	0	0
7:46	11.8	263	19	30.79	40	63	-40	0	0
7:31	12.5	274	19	30.79	40	62	-40	10	0
7:16	10.6	267	19	30.79	40	62	-40	10	0
7:01	9.6	277	18	30.79	40	62	-40	10	0
6:46	10.1	280	15	30.79	40	62	-40	10	0
6:31	12.7	283	24	30.79	40	62	-40	10	0
6:16	12.6	269	21	30.79	40	62	-40	0	0
6:01	12	267	21	30.79	40	61	-40	10	0
5:46	11.5	273	18	30.79	40	61	-40	10	0
5:31	13.2	273	23	30.79	41	60	-40	0	0
5:16	14.6	276	25	30.79	42	60	-40	0	0
5:01	13.5	277	21	30.79	42	59	-40	10	0
4:46	11.8	263	21	30.79	42	59	-40	10	0
4:31	12.7	278	22	30.79	42	57	-40	0	0
4:16	14	267	26	30.79	43	56	-40	10	0
4:01	12.9	292	26	30.79	43	55	-40	0	0
3:46	11.5	288	21	30.79	43	55	-40	10	0
3:31	11	294	18	30.79	43	57	-40	10	0
3:16	12.5	296	22	30.79	43	57	-40	0	0
3:01	10.6	305	18	30.79	43	58	-40	0	0
2:46	10.1	288	17	30.79	43	59	-40	0	0
2:31	10.3	291	16	30.79	42	61	-40	0	0
2:16	12.9	270	22	30.79	42	60	-40	0	0
2:01	12.7	271	18	30.79	42	60	-40	0	0

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1:46	13.3	285	18	30.79	42	59	-40	10	0
1:31	14.8	280	24	30.79	43	59	-40	10	0
1:16	14.7	291	29	30.79	43	59	-40	10	0
1:01	14.2	277	25	30.79	43	58	-40	10	0
0:46	17	271	30	30.79	43	58	-40	0	0
0:31	14.8	292	27	30.79	43	57	-40	10	0
0:16	12.2	280	23	30.79	43	57	-40	10	0
0:01	17	285	31	30.79	44	56	-40	0	0
Date:	11/14/99								
23:46	15.9	281	27	30.79	44	54	-40	0	0
23:31	15.7	264	27	30.79	45	54	-40	0	0
23:16	20.6	271	32	30.79	45	52	-40	10	0
23:01	20.4	269	41	30.79	46	49	-40	10	0
22:46	16.7	278	32	30.79	48	48	-40	10	0
22:31	15.4	253	28	30.79	48	48	-40	0	0
22:16	18.3	296	37	30.79	48	45	-40	0	0
22:01	17.8	298	31	30.79	49	45	-40	10	0
21:46	21.4	295	35	30.79	49	44	-40	0	0
21:31	17.1	242	32	30.79	50	47	-40	0	0
21:16	14.1	302	25	30.79	50	48	-40	10	0
21:01	10.7	287	19	30.79	50	47	-40	0	0
20:46	12.5	305	24	30.79	51	47	-40	0	0
20:31	11.1	292	18	30.79	51	47	-40	10	0
20:16	14	277	30	30.79	51	47	-40	0	0
20:01	18.6	290	31	30.79	52	46	-40	10	0
19:46	18.4	319	33	30.79	52	46	-40	0	0
19:31	15.9	315	42	30.79	52	47	-40	10	0
19:16	15.6	283	26	30.79	54	52	-40	10	0
19:01	17.5	274	33	30.79	54	56	-40	0	0
18:46	19.3	273	40	30.79	55	61	-40	0	0
18:31	21.3	283	38	30.79	56	65	-40	0	0
18:16	18.9	301	31	30.79	58	69	-40	10	0
18:01	13.2	287	22	30.79	58	75	-40	10	0
17:46	9.1	266	16	30.79	58	77	-40	10	0
17:31	7.9	267	18	30.79	58	78	-40	0	0
17:16	5.3	252	10	30.79	58	80	-40	10	0
17:01	4.7	255	12	30.79	58	80	-40	0	0
16:46	3.8	258	12	30.79	57	81	-40	10	0
16:31	2.1	252	9	30.79	57	81	-40	0	0
16:16	0.8	246	5	30.79	58	82	-40	0	0
16:01	1.6	252	6	30.79	57	82	-40	0	0
15:46	1.1	193	7	30.79	58	82	-40	0	0
15:31	1.4	259	7	30.79	58	82	-40	0	0
15:16	2.3	259	6	30.79	58	82	-40	10	0
15:01	1.5	248	8	30.79	58	82	-40	10	0
14:46	2.8	191	8	30.79	58	81	-40	0	0
14:31	2.6	207	12	30.79	58	82	-40	0	0
14:16	3.4	189	12	30.79	57	81	-40	0	0
14:01	2.9	193	11	30.79	57	81	-40	0	0
13:46	4	178	13	30.79	57	80	-40	0	0
13:31	4.7	155	13	30.79	58	80	-40	10	0

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13:16	5.7	193	14	30.79	58	80	-40	10	0
13:01	5.6	189	15	30.79	58	80	-40	10	0
12:46	6	160	19	30.79	58	79	-40	0	0
12:31	8.3	174	18	30.79	59	79	-40	0	0
12:16	6.3	171	15	30.79	59	80	-40	0	0
12:01	5.9	171	14	30.79	57	80	-40	10	0
11:46	5.4	195	15	30.79	57	80	-40	10	0
11:31	5.9	167	17	30.79	57	80	-40	10	0
11:16	6.4	192	16	30.79	57	79	-40	10	0
11:01	6.8	139	14	30.79	57	80	-40	10	0
10:46	5.8	205	19	30.79	57	80	-40	10	0
10:31	7.4	171	13	30.79	57	80	-40	10	0
10:16	5.5	178	15	30.79	57	79	-40	10	0
10:01	7.3	131	16	30.79	57	80	-40	10	0
9:46	7.9	156	19	30.79	56	80	-40	10	0
9:31	6.2	167	17	30.79	55	80	-40	0	0
9:16	6.6	175	16	30.79	55	80	-40	10	0
9:01	7.4	195	19	30.79	55	80	-40	10	0
8:46	7.7	152	19	30.79	55	80	-40	0	0
8:31	8.7	150	21	30.79	54	80	-40	10	0
8:16	6	161	15	30.79	54	81	-40	10	0
8:01	6.2	189	15	30.79	53	81	-40	10	0
7:46	4.8	168	12	30.79	53	80	-40	10	0
7:31	6.3	174	15	30.79	52	81	-40	0	0
7:16	5	174	16	30.79	52	81	-40	0	0
7:01	4.6	170	16	30.79	52	81	-40	0	0
6:46	5	173	12	30.79	51	80	-40	10	0
6:31	6.4	195	17	30.79	51	80	-40	10	0
6:16	5.6	196	13	30.79	51	81	-40	0	0
6:01	6.2	184	15	30.79	51	81	-40	0	0
5:46	4.2	168	12	30.79	51	81	-40	10	0
5:31	3.6	173	11	30.79	50	81	-40	10	0
5:16	4.8	209	11	30.79	50	82	-40	0	0
5:01	3.6	181	10	30.79	50	82	-40	10	0
4:46	3.2	185	11	30.79	50	82	-40	0	0
4:31	3.5	171	10	30.79	49	82	-40	0	0
4:16	3	177	9	30.79	48	83	-40	0	0
4:01	2.1	178	8	30.79	46	84	-40	0	0
3:46	1	191	6	30.79	42	85	-40	10	0
3:31	0.2	245	2	30.79	39	85	-40	0	0
3:16	0	281	0	30.79	37	83	-40	10	0
3:01	0	281	0	30.79	37	83	-40	10	0
2:46	0	281	0	30.79	37	82	-40	10	0
2:31	0	281	0	30.79	37	83	-40	0	0
2:16	0	281	0	30.79	37	82	-40	10	0
2:01	0	281	0	30.79	37	82	-40	10	0
1:46	0	283	0	30.79	37	81	-40	10	0
1:31	0	281	0	30.79	37	81	-40	0	0
1:16	0	281	0	30.79	37	80	-40	10	0
1:01	0	281	0	30.79	38	80	-40	10	0
0:46	0	281	0	30.79	39	80	-40	10	0

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0:31	0	283	0	30.79	39	79	-40	10	0
0:16	0	281	0	30.79	39	79	-40	10	0
0:01	0	281	0	30.79	39	77	-40	10	0
Date:	11/13/99								
23:46	0	281	0	30.79	40	77	-40	0	0
23:31	0	281	0	30.79	40	78	-40	10	0
23:16	0	281	0	30.79	41	77	-40	10	0
23:01	0	281	0	30.79	42	76	-40	0	0
22:46	0	281	0	30.79	42	74	-40	10	0
22:31	0	281	1	30.79	42	75	-40	0	0
22:16	0	281	0	30.79	42	74	-40	10	0
22:01	0	281	0	30.79	42	73	-40	10	0
21:46	0	281	0	30.79	42	72	-40	0	0
21:31	0	281	0	30.79	43	72	-40	0	0
21:16	0	281	0	30.79	43	70	-40	10	0
21:01	0	281	0	30.79	44	70	-40	10	0
20:46	0	281	0	30.79	44	69	-40	0	0
20:31	0	281	0	30.79	45	68	-40	0	0
20:16	0	281	0	30.79	46	67	-40	0	0
20:01	2.7	281	5	30.79	46	66	-40	10	0
19:46	3.4	281	6	30.79	47	65	-40	10	0
19:31	4.2	280	6	30.79	48	64	-40	0	0
19:16	3	280	6	30.79	48	64	-40	10	0
19:01	0.5	280	5	30.79	48	63	-40	0	0
18:46	2.8	280	6	30.79	48	62	-40	0	0
18:31	4.5	280	7	30.79	49	62	-40	0	0
18:16	4.4	277	7	30.79	49	61	-40	0	0
18:01	4.8	278	8	30.79	50	60	-40	10	0
17:46	3.2	281	7	30.79	50	60	-40	0	0
17:31	1.5	266	5	30.79	50	59	-40	10	0
17:16	0.4	266	6	30.79	51	57	-40	10	0
17:01	2.9	262	7	30.79	51	56	-40	0	0
16:46	5.7	262	10	30.79	52	55	-40	10	0
16:31	0	277	7	30.79	53	54	-40	0	0
16:16	1.4	267	6	30.79	54	52	-40	0	0
16:01	4.2	262	8	30.79	54	51	-40	10	0
15:46	3	283	9	30.79	55	50	-40	0	0
15:31	4.7	270	8	30.79	55	50	-40	0	0
15:16	3.7	291	10	30.79	55	48	-40	0	0
15:01	0.5	249	6	30.79	57	48	-40	10	0
14:46	3.5	255	9	30.79	57	49	-40	0	0
14:31	6.2	266	14	30.79	57	47	-40	10	0
14:16	2.4	322	7	30.79	57	48	-40	0	0
14:01	3.9	6	9	30.79	57	49	-40	10	0
13:46	3.8	301	9	30.79	57	49	-40	10	0
13:31	5.7	324	15	30.79	56	49	-40	0	0
13:16	6.9	283	16	30.79	55	50	-40	0	0
13:01	6.8	260	13	30.79	56	49	-40	10	0
12:46	6.2	285	14	30.79	56	51	-40	10	0
12:31	6.9	290	13	30.79	56	51	-40	0	0
12:16	8.4	331	13	30.79	56	50	-40	0	0

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12:01	4.9	284	13	30.79	57	52	-40	0	0
11:46	6.1	329	15	30.79	55	53	-40	10	0
11:31	7.8	276	14	30.79	55	54	-40	0	0
11:16	8.2	337	15	30.79	55	54	-40	10	0
11:01	9.1	303	17	30.79	54	58	-40	10	0
10:46	8.5	309	15	30.79	54	58	-40	10	0
10:31	9.2	335	14	30.79	54	58	-40	10	0
10:16	9.6	315	16	30.79	53	61	-40	10	0
10:01	9.1	277	16	30.79	53	61	-40	10	0
9:46	8.4	303	15	30.79	52	62	-40	0	0
9:31	9.3	305	16	30.79	52	63	-40	0	0
9:16	10.4	283	16	30.79	52	66	-40	0	0
9:01	10.8	278	18	30.79	51	68	-40	10	0
8:46	10.8	288	18	30.79	50	71	-40	10	0
8:31	9.1	277	15	30.79	49	72	-40	0	0
8:16	6.8	287	11	30.79	48	73	-40	10	0
8:01	6.9	269	14	30.79	48	73	-40	10	0
7:46	5.5	270	10	30.79	47	73	-40	10	0
7:31	6.4	277	13	30.79	47	72	-40	0	0
7:16	7.9	278	13	30.79	47	72	-40	10	0
7:01	6.7	278	12	30.79	48	72	-40	10	0
6:46	9.9	269	17	30.79	48	72	-40	10	0
6:31	7.8	251	15	30.79	48	72	-40	0	0
6:16	7.2	262	15	30.79	48	71	-40	10	0
6:01	5.8	264	10	30.79	48	72	-40	10	0
5:46	6.3	259	12	30.79	48	71	-40	0	0
5:31	4	258	9	30.79	48	71	-40	0	0
5:16	3.4	258	9	30.79	48	71	-40	0	0
5:01	3.8	253	9	30.79	49	70	-40	0	0
4:46	4.8	258	14	30.79	49	70	-40	0	0
4:31	4.1	244	12	30.79	49	69	-40	0	0
4:16	2.6	241	12	30.79	50	69	-40	10	0
4:01	3.6	232	14	30.79	50	69	-40	0	0
3:46	2.1	245	13	30.79	51	69	-40	10	0
3:31	2.7	228	14	30.79	51	69	-40	10	0
3:16	2.4	199	13	30.79	51	68	-40	10	0
3:01	2.9	180	10	30.79	51	67	-40	0	0
2:46	3.1	213	9	30.79	51	68	-40	10	0
2:31	2.8	210	10	30.79	51	68	-40	10	0
2:16	2.3	237	10	30.79	51	68	-40	0	0
2:01	2.5	198	10	30.79	51	66	-40	0	0
1:46	2	189	10	30.79	51	66	-40	0	0
1:31	1.6	182	11	30.79	51	67	-40	10	0
1:16	2.7	228	8	30.79	50	67	-40	0	0
1:01	2.6	220	9	30.79	51	66	-40	0	0
0:46	1.9	195	12	30.79	51	67	-40	0	0
0:31	1.1	182	7	30.79	51	67	-40	10	0
0:16	1.8	223	12	30.79	51	67	-40	0	0
0:01	3.1	212	11	30.79	51	67	-40	10	0
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23:46	2.1	192	10	30.79	51	68	-40	0	0

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23:31	4.4	174	14	30.79	51	68	-40	0	0
23:16	3.6	174	13	30.79	51	68	-40	0	0
23:01	3	188	11	30.79	50	69	-40	0	0
22:46	3.2	175	10	30.79	50	69	-40	0	0
22:31	4.1	187	11	30.79	50	70	-40	10	0
22:16	2.7	196	9	30.79	50	70	-40	0	0
22:01	4.6	174	14	30.79	50	70	-40	0	0
21:46	4.3	175	15	30.79	50	69	-40	10	0
21:31	3.5	164	10	30.79	49	71	-40	10	0
21:16	3.2	181	12	30.79	49	70	-40	0	0
21:01	2.4	170	9	30.79	49	70	-40	10	0
20:46	2.8	170	9	30.79	49	70	-40	0	0
20:31	3.3	180	8	30.79	49	71	-40	0	0
20:16	3.8	173	8	30.79	49	71	-40	10	0
20:01	2.6	173	10	30.79	49	71	-40	0	0
19:46	3.2	157	10	30.79	49	71	-40	10	0
19:31	3.7	164	8	30.79	48	71	-40	10	0
19:16	2.5	164	10	30.79	48	72	-40	10	0
19:01	1.8	149	9	30.79	48	71	-40	10	0
18:46	1.3	142	8	30.79	47	71	-40	0	0
18:31	1.2	142	8	30.79	47	70	-40	10	0
18:16	2.1	141	9	30.79	46	70	-40	0	0
18:01	2.3	134	9	30.79	46	70	-40	0	0
17:46	0.9	153	7	30.79	46	69	-40	10	0
17:31	0.6	138	7	30.79	46	68	-40	0	0
17:16	0.3	157	5	30.79	46	67	-40	0	0
17:01	0.9	136	8	30.79	46	66	-40	0	0
16:46	1.2	156	10	30.79	47	65	-40	10	0
16:31	3.1	150	7	30.79	47	65	-40	0	0
16:16	2.1	134	8	30.79	47	63	-40	0	0
16:01	1.6	131	8	30.79	47	62	-40	10	0
15:46	2.3	131	14	30.79	48	61	-40	10	0
15:31	2.4	163	11	30.79	48	61	-40	0	0
15:16	0.7	113	7	30.79	49	60	-40	0	0
15:01	0.2	99	5	30.79	50	59	-40	0	0
14:46	0.1	120	3	30.79	51	59	-40	0	0
14:31	0.2	166	5	30.79	51	59	-40	0	0
14:16	0.5	104	7	30.79	50	60	-40	0	0
14:01	1.9	106	8	30.79	49	60	-40	10	0
13:46	0.5	81	7	30.79	49	61	-40	10	0
13:31	1.4	86	7	30.79	49	61	-40	10	0
13:16	0.5	63	5	30.79	49	61	-40	10	0
13:01	1.7	61	6	30.79	48	62	-40	0	0
12:46	0.8	82	7	30.79	48	62	-40	10	0
12:31	1.6	63	7	30.79	48	61	-40	0	0
12:16	3.4	114	12	30.79	48	62	-40	10	0
12:01	5.1	58	12	30.79	47	62	-40	0	0
11:46	2.4	49	10	30.79	46	62	-40	10	0
11:31	1.2	77	7	30.79	46	62	-40	0	0
11:16	2.4	26	8	30.79	46	62	-40	0	0
11:01	1.7	10	8	30.79	46	62	-40	0	0

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10:46	3	72	8	30.79	45	61	-40	10	0
10:31	2.9	10	8	30.79	45	61	-40	0	0
10:16	2.2	1	7	30.79	45	61	-40	10	0
10:01	2.9	25	8	30.79	43	62	-40	10	0
9:46	3.5	22	7	30.79	42	62	-40	0	0
9:31	4.1	31	10	30.79	42	62	-40	0	0
9:16	3.7	31	10	30.79	41	62	-40	0	0
9:01	4.2	14	10	30.79	40	62	-40	10	0
8:46	2.8	26	7	30.79	39	64	-40	0	0
8:31	3.5	355	9	30.79	39	64	-40	10	0
8:16	3.4	8	8	30.79	38	64	-40	0	0
8:01	3.1	3	9	30.79	37	65	-40	10	0
7:46	2.2	6	9	30.79	36	66	-40	0	0
7:31	2.4	4	6	30.79	35	67	-40	0	0
7:16	2	1	7	30.79	35	66	-40	0	0
7:01	2	1	9	30.79	34	67	-40	0	0
6:46	2.6	45	9	30.79	34	66	-40	0	0
6:31	2	15	6	30.79	33	66	-40	0	0
6:16	1.2	6	5	30.79	33	67	-40	0	0
6:01	2.3	1	7	30.79	33	66	-40	10	0
5:46	1.9	29	6	30.79	33	66	-40	10	0
5:31	1.5	4	6	30.79	33	66	-40	10	0
5:16	1.2	24	7	30.79	33	66	-40	10	0
5:01	1.4	40	8	30.79	33	67	-40	0	0
4:46	1.2	3	6	30.79	33	68	-40	0	0
4:31	1.3	17	6	30.79	33	68	-40	10	0
4:16	1.4	28	5	30.79	32	69	-40	10	0
4:01	0.5	33	5	30.79	32	70	-40	0	0
3:46	1.2	31	5	30.79	32	71	-40	0	0
3:31	0.5	15	4	30.79	32	71	-40	0	0
3:16	0	352	0	30.79	31	71	-40	10	0
3:01	0.1	348	2	30.79	31	70	-40	10	0
2:46	0	344	0	30.79	32	71	-40	0	0
2:31	0.3	344	4	30.79	32	70	-40	0	0
2:16	0	1	3	30.79	33	71	-40	10	0
2:01	0	1	4	30.79	32	71	-40	0	0
1:46	0	1	0	30.79	32	70	-40	0	0
1:31	0	1	0	30.79	32	70	-40	0	0
1:16	0.2	1	5	30.79	32	70	-40	0	0
1:01	1.8	329	5	30.79	33	70	-40	10	0
0:46	0.7	351	4	30.79	32	69	-40	0	0
0:31	0	340	0	30.79	32	69	-40	10	0
0:16	0	340	0	30.79	32	69	-40	10	0
0:01	0.1	340	4	30.79	32	67	-40	0	0
Date:	11/11/99								
23:46	0.1	337	3	30.79	33	65	-40	10	0
23:31	0	335	0	30.79	33	66	-40	10	0
23:16	0	335	0	30.79	34	64	-40	0	0
23:01	1	335	4	30.79	34	64	-40	0	0
22:46	2.5	326	7	30.79	35	63	-40	0	0
22:31	2.1	327	6	30.79	35	64	-40	10	0

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22:16	3.7	315	7	30.79	35	64	-40	0	0
22:01	3.6	327	7	30.79	34	65	-40	0	0
21:46	0.6	340	5	30.79	34	64	-40	0	0
21:31	0	347	0	30.79	34	64	-40	0	0
21:16	0	347	0	30.79	34	63	-40	10	0
21:01	0.1	347	4	30.79	35	63	-40	0	0
20:46	0.1	347	4	30.79	35	62	-40	0	0
20:31	1	347	5	30.79	36	61	-40	0	0
20:16	0	25	0	30.79	35	62	-40	0	0
20:01	0	24	0	30.79	36	59	-40	10	0
19:46	0	32	0	30.79	37	59	-40	0	0
19:31	0	32	0	30.79	37	57	-40	0	0
19:16	0	32	0	30.79	37	57	-40	0	0
19:01	0	42	0	30.79	37	56	-40	0	0
18:46	0	42	0	30.79	37	55	-40	10	0
18:31	0	42	0	30.79	38	55	-40	0	0
18:16	0	42	0	30.79	39	54	-40	0	0
18:01	0	42	0	30.79	39	51	-40	0	0
17:46	0	45	0	30.79	39	51	-40	10	0
17:31	0.4	47	7	30.79	40	51	-40	0	0
17:16	0.5	53	3	30.79	40	50	-40	10	0
17:01	0.6	52	5	30.79	42	50	-40	10	0
16:46	2.2	39	8	30.79	42	50	-40	10	0
16:31	3.3	18	9	30.79	43	51	-40	10	0
16:16	3.3	347	10	30.79	43	52	-40	0	0
16:01	4.1	1	10	30.79	44	51	-40	0	0
15:46	5	1	11	30.79	45	52	-40	10	0
15:31	4.8	349	10	30.79	45	51	-40	0	0
15:16	4.4	1	10	30.79	45	50	-40	0	0
15:01	5.3	1	12	30.79	46	50	-40	10	0
14:46	6	354	16	30.79	47	50	-40	0	0
14:31	5	340	11	30.79	48	51	-40	0	0
14:16	4.4	1	14	30.79	47	51	-40	10	0
14:01	6.4	4	14	30.79	46	52	-40	0	0
13:46	5.3	347	18	30.79	46	52	-40	0	0
13:31	8.4	7	17	30.79	46	52	-40	0	0
13:16	7.5	347	15	30.79	46	52	-40	10	0
13:01	9.5	40	19	30.79	46	54	-40	10	0
12:46	7.6	335	19	30.79	47	52	-40	0	0
12:31	8.8	1	18	30.79	48	54	-40	10	0
12:16	7.9	331	15	30.79	46	57	-40	10	0
12:01	7.1	1	20	30.79	48	59	-40	0	0
11:46	8.4	65	17	30.79	45	59	-40	0	0
11:31	7.5	36	16	30.79	45	62	-40	10	0
11:16	8.1	7	15	30.79	45	62	-40	10	0
11:01	8.6	40	19	30.79	45	63	-40	0	0
10:46	10.9	26	20	30.79	44	63	-40	10	0
10:31	11.6	354	20	30.79	44	64	-40	0	0
10:16	10.3	1	20	30.79	43	64	-40	0	0
10:01	11.5	349	19	30.79	43	64	-40	0	0
9:46	12.8	355	21	30.79	43	64	-40	0	0

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9:31	11.5	342	21	30.79	43	64	-40	10	0
9:16	12.3	338	23	30.79	44	66	-40	10	0
9:01	10.2	1	22	30.79	44	69	-40	0	0
8:46	12	331	22	30.79	45	71	-40	0	0
8:31	13	327	22	30.79	45	71	-40	0	0
8:16	11.4	316	20	30.79	45	71	-40	10	0
8:01	9.6	322	18	30.79	45	69	-40	0	0
7:46	9.9	316	19	30.79	46	69	-40	10	0
7:31	11	355	22	30.79	46	68	-40	0	0
7:16	9.2	326	18	30.79	48	64	-40	10	0
7:01	10.3	1	22	30.79	48	63	-40	10	0
6:46	9.9	1	21	30.79	48	63	-40	10	0
6:31	10.1	341	22	30.79	49	63	-40	10	0
6:16	10.7	352	23	30.79	49	63	-40	10	0
6:01	14.1	1	29	30.79	51	64	-40	10	0
5:46	11.6	330	21	30.79	51	65	-40	10	0
5:31	9.7	347	19	30.79	51	66	-40	0	0
5:16	8.5	340	20	30.79	52	67	-40	10	0
5:01	9.1	319	16	30.79	52	67	-40	10	0
4:46	11.2	344	27	30.79	52	67	-40	0	0
4:31	9.1	1	22	30.79	53	67	-40	10	0
4:16	12.5	344	27	30.79	54	66	-40	10	0
4:01	12.6	344	22	30.79	54	67	-40	10	0
3:46	15.3	327	26	30.79	55	66	-40	10	0
3:31	13.3	331	29	30.79	56	65	-40	10	0
3:16	16	301	28	30.79	57	66	-40	10	0
3:01	14.3	324	30	30.79	59	66	-40	0	0
2:46	11.9	317	25	30.79	62	64	-40	0	0
2:31	11	285	20	30.79	64	60	-40	10	0
2:16	11.4	288	18	30.79	64	59	-40	10	0
2:01	8.9	263	14	30.79	64	58	-40	10	0
1:46	9.5	280	14	30.79	65	57	-40	0	0
1:31	10.5	266	16	30.79	65	58	-40	10	0
1:16	7.7	305	14	30.79	65	57	-40	10	0
1:01	1.6	256	11	30.79	64	58	-40	0	0
0:46	0.4	251	8	30.79	63	60	-40	10	0
0:31	0	244	6	30.79	62	62	-40	0	0
0:16	0	210	0	30.79	61	63	-40	10	0
0:01	0	210	0	30.79	61	63	-40	10	0
Date:	11/10/99								
23:46	0	210	0	30.79	61	64	-40	10	0
23:31	0	210	2	30.79	60	66	-40	0	0
23:16	0	196	1	30.79	60	67	-40	0	0
23:01	0.3	182	6	30.79	59	66	-40	10	0
22:46	0.3	180	5	30.79	60	63	-40	10	0
22:31	0.8	178	5	30.79	60	62	-40	10	0
22:16	1.6	159	6	30.79	61	57	-40	0	0
22:01	0	212	3	30.79	65	51	-40	0	0
21:46	0.7	226	8	30.79	66	50	-40	0	0
21:31	1.6	238	10	30.79	66	51	-40	10	0
21:16	1	244	7	30.79	66	49	-40	0	0

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21:01	4.2	217	12	30.79	67	49	-40	10	0
20:46	5.6	242	12	30.79	67	50	-40	0	0
20:31	4.4	203	24	30.79	67	50	-40	0	0
20:16	5.5	263	18	30.79	67	49	-40	0	0
20:01	8.2	251	21	30.79	67	50	-40	10	0
19:46	6.1	228	16	30.79	67	51	-40	10	0
19:31	5.7	237	16	30.79	67	51	-40	10	0
19:16	6.6	256	16	30.79	67	52	-40	10	0
19:01	5.3	238	20	30.79	66	54	-40	0	0
18:46	3.8	234	14	30.79	66	55	-40	0	0
18:31	2.7	239	13	30.79	65	55	-40	10	0
18:16	1.4	255	11	30.79	65	56	-40	0	0
18:01	3.3	210	12	30.79	65	55	-40	10	0
17:46	3.4	227	18	30.79	65	55	-40	10	0
17:31	3.5	235	17	30.79	65	55	-40	10	0
17:16	1.9	227	17	30.79	66	55	-40	10	0
17:01	2.5	213	14	30.79	66	55	-40	10	0
16:46	1.3	219	10	30.79	66	54	-40	10	0
16:31	1.2	230	10	30.79	66	54	-40	0	0
16:16	3	203	12	30.79	67	51	-40	0	0
16:01	2	174	10	30.79	69	50	-40	10	0
15:46	3.4	187	15	30.79	69	50	-40	0	0
15:31	3.4	216	10	30.79	69	50	-40	10	0
15:16	3.6	228	15	30.79	70	48	-40	10	0
15:01	5.6	258	16	30.79	70	48	-40	0	0
14:46	5.6	252	20	30.79	70	47	-40	10	0
14:31	6.9	241	22	30.79	71	48	-40	0	0
14:16	8.8	256	26	30.79	71	48	-40	10	0
14:01	6.6	245	24	30.79	71	49	-40	10	0
13:46	4.2	192	17	30.79	71	49	-40	10	0
13:31	5	217	14	30.79	73	50	-40	10	0
13:16	4.6	242	16	30.79	71	54	-40	10	0
13:01	3.6	171	17	30.79	71	56	-40	10	0
12:46	3.7	189	13	30.79	69	58	-40	0	0
12:31	3.8	187	13	30.79	68	59	-40	0	0
12:16	2.4	205	11	30.79	68	59	-40	10	0
12:01	3	184	13	30.79	67	60	-40	10	0
11:46	4.8	205	14	30.79	67	60	-40	10	0
11:31	2.6	239	11	30.79	68	62	-40	10	0
11:16	3.1	182	13	30.79	67	62	-40	0	0
11:01	2.7	203	15	30.79	66	63	-40	0	0
10:46	3.2	238	15	30.79	64	63	-40	10	0
10:31	2	184	16	30.79	64	64	-40	10	0
10:16	3.7	180	18	30.79	65	63	-40	0	0
10:01	4.1	182	16	30.79	65	65	-40	10	0
9:46	4.6	210	16	30.79	64	67	-40	10	0
9:31	3	195	14	30.79	64	68	-40	0	0
9:16	4	217	12	30.79	63	70	-40	0	0
9:01	3.5	191	14	30.79	61	71	-40	0	0
8:46	4.4	212	14	30.79	61	73	-40	0	0
8:31	3.4	189	9	30.79	60	74	-40	0	0

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8:16	2.1	220	12	30.79	60	75	-40	10	0
8:01	1.4	217	11	30.79	58	76	-40	0	0
7:46	1.4	242	10	30.79	57	76	-40	0	0
7:31	2.3	251	8	30.79	57	76	-40	10	0
7:16	3.1	193	14	30.79	57	76	-40	10	0
7:01	3.4	207	11	30.79	57	77	-40	0	0
6:46	4	245	12	30.79	57	77	-40	10	0
6:31	3.8	207	12	30.79	57	76	-40	10	0
6:16	3.1	224	10	30.79	56	77	-40	10	0
6:01	3.4	219	9	30.79	55	77	-40	0	0
5:46	2.3	237	8	30.79	55	77	-40	10	0
5:31	1.6	187	10	30.79	55	76	-40	10	0
5:16	2.2	202	11	30.79	56	76	-40	0	0
5:01	3.5	181	10	30.79	56	76	-40	10	0
4:46	3	191	10	30.79	57	77	-40	10	0
4:31	2.3	206	12	30.79	55	77	-40	10	0
4:16	1.3	180	7	30.79	55	76	-40	0	0
4:01	2.6	182	11	30.79	56	77	-40	10	0
3:46	2.4	180	9	30.79	55	78	-40	10	0
3:31	1.9	210	10	30.79	55	77	-40	10	0
3:16	1.9	245	7	30.79	54	77	-40	10	0
3:01	1.8	234	9	30.79	54	77	-40	10	0
2:46	1.9	207	6	30.79	55	77	-40	0	0
2:31	1.8	223	6	30.79	55	76	-40	0	0
2:16	1.7	232	6	30.79	55	76	-40	10	0
2:01	1.9	235	7	30.79	55	76	-40	10	0
1:46	1.6	223	5	30.79	54	76	-40	0	0
1:31	0.8	214	5	30.79	54	74	-40	10	0
1:16	2	191	7	30.79	55	74	-40	10	0
1:01	1.7	193	7	30.79	55	74	-40	0	0
0:46	1.5	202	7	30.79	56	73	-40	0	0
0:31	1.5	206	10	30.79	57	73	-40	0	0
0:16	2.7	193	10	30.79	57	73	-40	10	0
0:01	3.5	259	16	30.79	57	73	-40	0	0
Date:	11/9/99								
23:46	2.6	202	8	30.79	57	75	-40	0	0
23:31	1.9	187	11	30.79	56	75	-40	10	0
23:16	2.1	252	10	30.79	56	76	-40	0	0
23:01	2.3	273	9	30.79	55	77	-40	10	0
22:46	2.6	219	8	30.79	55	77	-40	0	0
22:31	2	203	5	30.79	55	77	-40	0	0
22:16	1.7	224	7	30.79	55	78	-40	10	0
22:01	2.8	227	8	30.79	55	77	-40	0	0
21:46	3.7	276	12	30.79	55	77	-40	10	0
21:31	3	221	11	30.79	55	78	-40	10	0
21:16	3.9	171	13	30.79	55	78	-40	0	0
21:01	3.1	193	8	30.79	55	77	-40	0	0
20:46	3.4	188	11	30.79	55	77	-40	10	0
20:31	3.3	173	12	30.79	55	77	-40	10	0
20:16	4.1	178	15	30.79	55	77	-40	0	0
20:01	3.3	193	10	30.79	55	77	-40	0	0

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19:46	3.4	185	11	30.79	56	77	-40	0	0
19:31	4	184	12	30.79	56	77	-40	0	0
19:16	4.7	206	14	30.79	56	76	-40	10	0
19:01	4	200	16	30.79	56	77	-40	0	0
18:46	3.5	199	11	30.79	56	76	-40	0	0
18:31	5.5	180	15	30.79	56	76	-40	10	0
18:16	4.1	191	16	30.79	56	76	-40	0	0
18:01	5.2	209	15	30.79	55	76	-40	0	0
17:46	3.8	195	15	30.79	55	75	-40	10	0
17:31	4.6	210	14	30.79	55	75	-40	0	0
17:16	4.4	189	16	30.79	55	74	-40	0	0
17:01	7.2	210	18	30.79	55	73	-40	10	0
16:46	4.3	216	18	30.79	56	73	-40	0	0
16:31	5	203	21	30.79	56	72	-40	0	0
16:16	5.3	191	16	30.79	56	70	-40	10	0
16:01	4.5	175	17	30.79	57	70	-40	10	0
15:46	5.5	191	22	30.79	57	69	-40	10	0
15:31	5.7	226	22	30.79	57	67	-40	10	0
15:16	4.7	180	19	30.79	58	66	-40	10	0
15:01	5.9	188	21	30.79	58	65	-40	10	0
14:46	6.2	195	20	30.79	59	64	-40	0	0
14:31	5.8	181	20	30.79	60	63	-40	10	0
14:16	7.1	196	24	30.79	60	63	-40	0	0
14:01	6.5	193	21	30.79	60	63	-40	0	0
13:46	5.8	193	22	30.79	59	62	-40	10	0
13:31	10.2	180	24	30.79	59	62	-40	10	0
13:16	6.1	235	20	30.79	59	62	-40	10	0
13:01	8.1	226	19	30.79	59	62	-40	0	0
12:46	5.4	195	24	30.79	58	62	-40	10	0
12:31	7.7	142	23	30.79	58	61	-40	0	0
12:16	2.7	188	14	30.79	59	60	-40	10	0
12:01	6.9	195	22	30.79	58	59	-40	10	0
11:46	4.5	161	21	30.79	59	57	-40	0	0
11:31	6.9	217	21	30.79	59	58	-40	10	0
11:16	5.5	156	16	30.79	58	58	-40	10	0
11:01	4.5	207	17	30.79	58	58	-40	10	0
10:46	5.6	167	14	30.79	58	57	-40	10	0
10.31	5.1	203	15	30.79	57	59	-40	0	0
10:16	7.8	184	24	30.79	54	60	-40	0	0
10:01	5.6	185	16	30.79	54	62	-40	0	0
9:46	5.1	189	16	30.79	54	63	-40	0	0
9:31	3.3	173	14	30.79	53	66	-40	0	0
9:16	1.7	188	10	30.79	52	69	-40	10	0
9:01	1.2	199	10	30.79	51	71	-40	0	0
8:46	0.9	178	8	30.79	49	75	-40	0	0
8:31	0.1	196	2	30.79	47	76	-40	0	0
8:16	0	256	0	30.79	45	77	-40	0	0
8:01	0	256	0	30.79	43	78	-40	10	0
7.46	0	256	0	30.79	40	79	-40	0	0
7.31	0	256	0	30.79	37	80	-40	0	0
7:16	0	256	1	30.79	36	80	-40	10	0

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7:01	0	256	0	30.79	34	79	-40	0	0
6:46	0	256	0	30.79	34	78	-40	10	0
6:31	0	256	0	30.79	33	78	-40	0	0
6:16	0	256	0	30.79	33	78	-40	10	0
6:01	0	256	0	30.79	33	77	-40	0	0
5:46	0	256	0	30.79	33	77	-40	0	0
5:31	0	256	0	30.79	33	77	-40	10	0
5:16	0	256	0	30.79	34	76	-40	10	0
5:01	0	256	0	30.79	34	75	-40	0	0
4:46	0	256	0	30.79	34	74	-40	10	0
4:31	0	256	0	30.79	34	74	-40	0	0
4:16	0	256	0	30.79	35	72	-40	0	0
4:01	0	256	0	30.79	36	72	-40	0	0
3:46	0	256	0	30.79	37	71	-40	10	0
3:31	0	256	0	30.79	37	70	-40	10	0
3:16	0	256	0	30.79	37	68	-40	0	0
3:01	0	256	0	30.79	39	67	-40	10	0
2:46	0	256	0	30.79	39	66	-40	10	0
2:31	0	256	0	30.79	40	66	-40	0	0
2:16	0	256	0	30.79	40	65	-40	0	0
2:01	0	256	0	30.79	40	66	-40	0	0
1:46	0	256	0	30.79	41	65	-40	10	0
1:31	0	256	0	30.79	41	64	-40	10	0
1:16	0	256	0	30.79	41	64	-40	0	0
1:01	0	256	0	30.79	41	63	-40	10	0
0:46	0	256	0	30.79	40	62	-40	10	0
0:31	0	256	0	30.79	41	62	-40	10	0
0:16	0	256	0	30.79	40	61	-40	10	0
0:01	0	256	0	30.79	40	62	-40	10	0
Date:	11/8/99								
23:46	0	256	0	30.79	40	62	-40	10	0
23:31	0	256	0	30.79	40	60	-40	10	0
23:16	0	256	0	30.79	40	61	-40	10	0
23:01	0	256	0	30.79	39	61	-40	10	0
22:46	0	256	0	30.79	39	62	-40	10	0
22:31	0	256	0	30.79	38	61	-40	10	0
22:16	0	256	0	30.79	39	60	-40	10	0
22:01	0	256	0	30.79	38	58	-40	10	0
21:46	1	256	4	30.79	39	58	-40	0	0
21:31	1.8	256	7	30.79	39	58	-40	0	0
21:16	0	260	4	30.79	39	58	-40	10	0
21:01	0	271	2	30.79	39	57	-40	0	0
20:46	0	270	0	30.79	40	57	-40	10	0
20:31	0	270	0	30.79	40	55	-40	10	0
20:16	0	270	0	30.79	40	56	-40	0	0
20:01	0	270	2	30.79	40	55	-40	10	0
19:46	1	263	5	30.79	40	55	-40	10	0
19:31	0.4	269	3	30.79	40	55	-40	10	0
19:16	1	269	5	30.79	41	56	-40	10	0
19:01	4.7	287	9	30.79	41	54	-40	10	0
18:46	4.3	283	6	30.79	42	55	-40	10	0

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18:31	0.1	276	4	30.79	40	55	-40	0	0
18:16	0	270	0	30.79	40	54	-40	10	0
18:01	0.9	267	6	30.79	41	53	-40	10	0
17:46	2.9	274	6	30.79	42	52	-40	0	0
17:31	3.6	263	7	30.79	42	52	-40	0	0
17:16	3.5	266	7	30.79	42	51	-40	0	0
17:01	5.2	266	12	30.79	43	49	-40	0	0
16:46	5.5	273	10	30.79	43	49	-40	0	0
16:31	7.7	283	13	30.79	44	48	-40	10	0
16:16	6.9	271	14	30.79	44	48	-40	10	0
16:01	9	280	16	30.79	44	47	-40	0	0
15:46	8.2	283	15	30.79	44	47	-40	0	0
15:31	8.9	267	15	30.79	44	46	-40	10	0
15:16	8.5	269	15	30.79	44	47	-40	0	0
15:01	8.4	290	18	30.79	44	47	-40	0	0
14:46	10.4	260	16	30.79	44	47	-40	0	0
14:31	8.5	295	16	30.79	44	47	-40	10	0
14:16	5.9	277	16	30.79	45	47	-40	0	0
14:01	6.5	271	14	30.79	44	47	-40	10	0
13:46	6.5	276	13	30.79	44	49	-40	10	0
13:31	7	259	14	30.79	45	48	-40	10	0
13:16	8.7	277	18	30.79	45	48	-40	0	0
13:01	5.6	260	12	30.79	44	50	-40	0	0
12:46	6	290	14	30.79	44	51	-40	0	0
12:31	5.9	310	17	30.79	44	52	-40	0	0
12:16	6.8	259	14	30.79	44	52	-40	0	0
12:01	7	267	14	30.79	43	53	-40	10	0
11:46	5.9	278	13	30.79	42	55	-40	0	0
11:31	6	291	11	30.79	42	55	-40	10	0
11:16	5.6	284	16	30.79	43	54	-40	10	0
11:01	3.7	324	12	30.79	43	56	-40	0	0
10:46	6.8	302	11	30.79	42	59	-40	0	0
10:31	5.7	333	14	30.79	42	61	-40	10	0
10:16	7.1	13	13	30.79	41	62	-40	10	0
10:01	6.6	270	13	30.79	40	65	-40	10	0
download completed:									

Downloaded Weather Station Data 11/22/99
DZUS FASTENERS
West Islip, NY

RECEIVED
NOV 22 1999
EARTHTECH

:start of data:									
Station: DZUSFASTENERS									
English Units									
Loging Period in minutes: 15									
Date and Time: 11/22/1999	14:52								
TIME	WS	WD	PK	BP	T1	RH1	T2	SR	RF
HH:MM	mph	deg	mph	in	F	%	F	W/m^2	in
Date:	11/22/99								
14:46	3.5	58	8	30.79	54	99	-40	10	0
14:31	3.4	86	9	30.79	54	99	-40	0	0
14:16	3.3	104	6	30.79	55	99	-40	10	0
14:01	4	81	7	30.79	55	99	-40	10	0
13:46	3.5	52	7	30.79	55	99	-40	0	0
13:31	3.2	36	7	30.79	55	99	-40	0	0
13:16	3.3	79	7	30.79	55	99	-40	0	0
13:01	4.1	53	7	30.79	55	99	-40	0	0
12:46	3.2	63	6	30.79	56	99	-40	0	0
12:31	3	79	5	30.79	55	99	-40	0	0
12:16	3.4	56	6	30.79	55	99	-40	10	0
12:01	3.1	56	7	30.79	55	99	-40	0	0
11:46	2.9	58	9	30.79	55	99	-40	10	0
11:31	2.8	75	7	30.79	55	99	-40	0	0
11:16	2	77	4	30.79	55	99	-40	10	0
11:01	1.8	90	5	30.79	55	99	-40	0	0
10:46	2.1	52	6	30.79	55	99	-40	10	0
10:31	2.2	53	7	30.79	55	99	-40	0	0
10:16	3.3	116	6	30.79	54	99	-40	10	0
10:01	2.3	61	5	30.79	55	99	-40	0	0
9:46	2.8	72	6	30.79	54	99	-40	0	0
9:31	2.2	58	5	30.79	54	99	-40	10	0
9:16	2.4	54	5	30.79	54	99	-40	10	0
9:01	1.6	46	5	30.79	54	99	-40	10	0
8:46	1.6	75	5	30.79	54	99	-40	10	0
8:31	2.1	39	5	30.79	54	99	-40	0	0
8:16	1.8	35	4	30.79	53	99	-40	10	0
8:01	1.5	15	4	30.79	53	99	-40	10	0
7:46	1.9	18	5	30.79	52	99	-40	10	0
7:31	1.6	7	5	30.79	52	99	-40	0	0
7:16	2.2	7	5	30.79	52	99	-40	10	0
7:01	2.3	11	5	30.79	52	99	-40	10	0
6:46	2	8	4	30.79	52	99	-40	0	0
6:31	1.9	10	4	30.79	52	99	-40	10	0
6:16	1.8	10	4	30.79	52	99	-40	10	0
6:01	1.8	15	4	30.79	52	99	-40	10	0
5:46	2.2	1	5	30.79	52	99	-40	10	0
5:31	2.7	354	5	30.79	52	99	-40	0	0
5:16	2.5	347	5	30.79	52	99	-40	10	0
5:01	2	355	6	30.79	52	99	-40	0	0
4:46	2.5	323	5	30.79	52	99	-40	10	0
4:31	1.6	276	4	30.79	52	99	-40	0	0
4:16	2.1	276	4	30.79	52	99	-40	10	0
4:01	1.5	277	3	30.79	52	99	-40	10	0
3:46	1.7	277	3	30.79	52	99	-40	10	0

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West Islip, NY

3:31	1.8	276	4	30.79	52	99	-40	0	0
3:16	1.5	276	4	30.79	52	99	-40	10	0
3:01	0.8	276	3	30.79	52	99	-40	10	0
2:46	0.9	277	3	30.79	52	99	-40	0	0
2:31	0.8	276	3	30.79	52	99	-40	10	0
2:16	1	276	3	30.79	51	99	-40	10	0
2:01	2.4	276	4	30.79	52	99	-40	0	0
1:46	1.9	246	4	30.79	52	99	-40	0	0
1:31	2.4	246	4	30.79	52	99	-40	0	0
1:16	2.4	245	4	30.79	52	99	-40	0	0
1:01	2.5	244	4	30.79	52	99	-40	10	0
0:46	1.3	145	3	30.79	52	99	-40	0	0
0:31	0.5	141	3	30.79	52	98	-40	0	0
0:16	0.3	141	2	30.79	52	94	-40	10	0
0:01	0.7	141	3	30.79	52	89	-40	0	0
Date:	11/21/99								
23:46	1.4	141	4	30.79	52	88	-40	0	0
23:31	0.7	139	3	30.79	52	87	-40	10	0
23:16	2.2	139	5	30.79	52	87	-40	10	0
23:01	2	138	5	30.79	52	86	-40	0	0
22:46	1.2	141	5	30.79	52	85	-40	10	0
22:31	0.8	110	4	30.79	52	84	-40	0	0
22:16	1.4	63	4	30.79	52	84	-40	0	0
22:01	0.9	63	3	30.79	52	84	-40	0	0
21:46	1.4	61	4	30.79	52	85	-40	0	0
21:31	1.3	58	4	30.79	51	85	-40	10	0
21:16	1.5	56	3	30.79	50	84	-40	10	0
21:01	1.7	56	4	30.79	50	84	-40	0	0
20:46	1.3	56	3	30.79	50	84	-40	0	0
20:31	0.7	56	2	30.79	50	84	-40	0	0
20:16	1.1	56	3	30.79	50	83	-40	10	0
20:01	1.2	56	3	30.79	50	82	-40	0	0
19:46	0.4	56	2	30.79	50	83	-40	0	0
19:31	1.1	56	3	30.79	51	82	-40	0	0
19:16	1.8	56	4	30.79	51	81	-40	10	0
19:01	2	56	3	30.79	51	81	-40	10	0
18:46	1.7	56	3	30.79	51	81	-40	10	0
18:31	1.2	56	3	30.79	51	81	-40	10	0
18:16	0.7	56	2	30.79	51	80	-40	10	0
18:01	1.3	56	3	30.79	51	79	-40	0	0
17:46	1.1	56	2	30.79	51	79	-40	0	0
17:31	1.1	56	3	30.79	51	78	-40	0	0
17:16	1.2	56	3	30.79	52	78	-40	0	0
17:01	1.3	60	4	30.79	52	77	-40	0	0
16:46	2.2	61	5	30.79	52	76	-40	10	0
16:31	2.1	65	6	30.79	53	76	-40	0	0
16:16	1.7	96	6	30.79	54	75	-40	0	0
16:01	2.4	63	7	30.79	54	75	-40	0	0
15:46	2.3	56	6	30.79	55	74	-40	10	0
15:31	2.3	71	7	30.79	55	73	-40	10	0
15:16	2.9	58	7	30.79	57	72	-40	10	0
15:01	3.7	60	12	30.79	57	73	-40	10	0
14:46	3.6	113	11	30.79	58	70	-40	10	0
14:31	3.5	131	8	30.79	60	70	-40	0	0
14:16	3	97	6	30.79	60	71	-40	10	0
14:01	3.3	103	8	30.79	60	72	-40	10	0
13:46	3.5	84	6	30.79	60	71	-40	0	0
13:31	3.5	74	8	30.79	61	69	-40	10	0

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13:16	4.2	128	8	30.79	63	69	-40	0	0
13:01	2.7	143	8	30.79	64	69	-40	10	0
12:46	3.9	110	7	30.79	64	70	-40	0	0
12:31	2.8	149	8	30.79	66	70	-40	10	0
12:16	3.4	156	7	30.79	66	73	-40	10	0
12:01	4.8	315	9	30.79	64	74	-40	0	0
11:46	3.7	287	7	30.79	64	76	-40	10	0
11:31	4	276	7	30.79	63	78	-40	10	0
11:16	3.7	337	8	30.79	63	79	-40	10	0
11:01	3.9	352	8	30.79	62	83	-40	0	0
10:46	4.6	341	8	30.79	61	84	-40	10	0
10:31	4.7	354	9	30.79	61	91	-40	10	0
10:16	4.7	334	8	30.79	60	89	-40	10	0
10:01	4.1	6	8	30.79	60	97	-40	10	0
9:46	4.2	333	8	30.79	59	95	-40	0	0
9:31	3.3	348	7	30.79	58	99	-40	10	0
9:16	4.3	341	7	30.79	57	97	-40	0	0
9:01	3.1	335	5	30.79	58	98	-40	10	0
8:46	2	221	4	30.79	57	99	-40	10	0
8:31	1.1	178	3	30.79	55	99	-40	10	0
8:16	0.1	178	2	30.79	54	99	-40	0	0
8:01	0	178	1	30.79	53	99	-40	10	0
7:46	0.6	178	2	30.79	52	99	-40	10	0
7:31	1	178	3	30.79	52	99	-40	0	0
7:16	0.5	178	3	30.79	51	99	-40	0	0
7:01	1	178	2	30.79	51	99	-40	10	0
6:46	0.4	178	3	30.79	51	99	-40	10	0
6:31	0.3	178	2	30.79	51	99	-40	10	0
6:16	0	178	0	30.79	51	99	-40	0	0
6:01	0	178	0	30.79	51	99	-40	0	0
5:46	0	178	0	30.79	51	99	-40	10	0
5:31	0	178	0	30.79	51	99	-40	0	0
5:16	0.2	178	1	30.79	51	99	-40	10	0
5:01	0.5	178	2	30.79	51	99	-40	10	0
4:46	0.4	178	2	30.79	51	99	-40	0	0
4:31	0.8	178	2	30.79	51	96	-40	0	0
4:16	0.9	178	2	30.79	52	95	-40	10	0
4:01	0.3	178	2	30.79	52	95	-40	10	0
3:46	0	178	0	30.79	52	95	-40	10	0
3:31	0	178	0	30.79	52	95	-40	0	0
3:16	0.4	178	2	30.79	52	94	-40	10	0
3:01	1.9	178	4	30.79	52	93	-40	0	0
2:46	0.3	178	3	30.79	53	94	-40	10	0
2:31	0.5	178	2	30.79	52	90	-40	10	0
2:16	0.9	178	4	30.79	53	89	-40	10	0
2:01	0.5	178	2	30.79	53	89	-40	10	0
1:46	0.9	178	4	30.79	53	88	-40	0	0
1:31	0.6	178	3	30.79	54	88	-40	10	0
1:16	0.7	178	3	30.79	54	88	-40	0	0
1:01	1.4	174	4	30.79	53	88	-40	0	0
0:46	2.4	174	5	30.79	53	88	-40	10	0
0:31	1.1	174	3	30.79	54	87	-40	0	0
0:16	1.8	185	4	30.79	54	87	-40	10	0
0:01	1.1	181	5	30.79	54	87	-40	10	0
Date:	11/20/99								
23:46	1.6	191	5	30.79	55	86	-40	0	0
23:31	1.1	199	8	30.79	55	86	-40	10	0
23:16	1.9	175	6	30.79	55	87	-40	0	0

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23:01	1.1	199	5	30.79	55	86	-40	0	0
22:46	1.9	199	4	30.79	54	86	-40	0	0
22:31	1.2	181	7	30.79	54	86	-40	10	0
22:16	1.4	221	6	30.79	55	86	-40	10	0
22:01	2.4	228	10	30.79	55	85	-40	10	0
21:46	3	217	9	30.79	55	86	-40	0	0
21:31	2.7	217	10	30.79	56	85	-40	10	0
21:16	2.6	228	9	30.79	57	84	-40	0	0
21:01	4.4	219	17	30.79	57	85	-40	10	0
20:46	5	187	13	30.79	57	85	-40	0	0
20:31	3.3	245	11	30.79	55	85	-40	0	0
20:16	2.6	203	9	30.79	55	85	-40	0	0
20:01	2.5	198	8	30.79	56	85	-40	0	0
19:46	5.1	181	14	30.79	55	84	-40	0	0
19:31	4.7	192	15	30.79	56	84	-40	0	0
19:16	5.4	164	18	30.79	56	84	-40	10	0
19:01	5.8	188	15	30.79	56	84	-40	0	0
18:46	7.6	191	16	30.79	56	84	-40	0	0
18:31	6	152	15	30.79	55	84	-40	0	0
18:16	5.8	177	14	30.79	55	83	-40	0	0
18:01	7.1	174	16	30.79	56	83	-40	0	0
17:46	8	193	16	30.79	56	84	-40	0	0
17:31	8.5	156	19	30.79	55	83	-40	10	0
17:16	10	163	17	30.79	56	82	-40	0	0
17:01	6.7	163	14	30.79	55	84	-40	10	0
16:46	9.7	148	18	30.79	55	83	-40	0	0
16:31	7.3	196	19	30.79	56	83	-40	0	0
16:16	9.1	192	16	30.79	56	82	-40	0	0
16:01	9.9	164	21	30.79	56	82	-40	0	0
15:46	8.5	148	19	30.79	56	83	-40	10	0
15:31	8.6	166	20	30.79	56	81	-40	10	0
15:16	10.1	146	19	30.79	57	82	-40	0	0
15:01	11.1	181	23	30.79	57	82	-40	0	0
14:46	8.8	146	18	30.79	57	82	-40	10	0
14:31	10.9	153	19	30.79	57	82	-40	10	0
14:16	9.2	138	20	30.79	57	83	-40	10	0
14:01	9.3	156	20	30.79	57	82	-40	10	0
13:46	8.7	166	20	30.79	58	82	-40	10	0
13:31	9.6	150	22	30.79	58	81	-40	0	0
13:16	11.7	160	22	30.79	58	82	-40	0	0
13:01	8.1	152	19	30.79	59	82	-40	10	0
12:46	7.4	167	15	30.79	59	84	-40	10	0
12:31	6.1	168	14	30.79	59	85	-40	0	0
12:16	7	157	17	30.79	57	86	-40	0	0
12:01	7	195	15	30.79	56	87	-40	10	0
11:46	4.8	150	12	30.79	56	86	-40	10	0
11:31	2.7	159	9	30.79	57	85	-40	0	0
11:16	2.8	234	8	30.79	58	86	-40	10	0
11:01	3.1	188	9	30.79	58	86	-40	10	0
10:46	4.1	196	12	30.79	58	87	-40	0	0
10:31	4.7	192	11	30.79	57	89	-40	10	0
10:16	5.3	157	10	30.79	58	88	-40	0	0
10:01	6.1	155	13	30.79	58	88	-40	0	0
9:46	5.1	167	11	30.79	58	97	-40	10	0
9:31	3.2	200	9	30.79	57	96	-40	0	0
9:16	2	164	10	30.79	57	98	-40	0	0
9:01	2	207	7	30.79	56	99	-40	10	0
8:46	2.2	199	8	30.79	55	99	-40	0	0

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8:31	2.1	170	8	30.79	55	99	-40	10	0
8:16	1.4	196	5	30.79	55	99	-40	10	0
8:01	4.8	174	11	30.79	55	99	-40	10	0
7:46	2.7	174	8	30.79	54	99	-40	10	0
7:31	1.2	187	5	30.79	53	99	-40	10	0
7:16	2.8	187	7	30.79	53	99	-40	0	0
7:01	3.7	188	10	30.79	53	99	-40	10	0
6:46	4.4	181	13	30.79	53	99	-40	10	0
6:31	5.7	159	13	30.79	52	99	-40	10	0
6:16	4.7	175	9	30.79	52	99	-40	10	0
6:01	4.7	174	14	30.79	52	99	-40	10	0
5:46	3.2	189	9	30.79	51	99	-40	10	0
5:31	4.3	178	10	30.79	51	99	-40	10	0
5:16	3.8	187	9	30.79	51	99	-40	0	0
5:01	2.9	178	8	30.79	51	99	-40	0	0
4:46	1.9	188	9	30.79	50	99	-40	0	0
4:31	1	224	7	30.79	50	99	-40	10	0
4:16	1.4	220	6	30.79	50	99	-40	0	0
4:01	1	223	5	30.79	49	99	-40	0	0
3:46	1	205	4	30.79	49	99	-40	10	0
3:31	1.4	198	4	30.79	49	99	-40	0	0
3:16	1.4	180	5	30.79	49	99	-40	0	0
3:01	2.7	184	8	30.79	51	99	-40	10	0
2:46	1.9	173	5	30.79	50	99	-40	0	0
2:31	2	175	5	30.79	50	99	-40	0	0
2:16	1.5	171	5	30.79	50	99	-40	10	0
2:01	2.4	177	6	30.79	51	99	-40	0	0
1:46	2	180	6	30.79	50	99	-40	10	0
1:31	2.4	175	6	30.79	50	94	-40	0	0
1:16	1.9	163	4	30.79	49	92	-40	10	0
1:01	1.9	164	4	30.79	49	91	-40	10	0
0:46	2.1	164	5	30.79	49	90	-40	10	0
0:31	1.7	163	7	30.79	49	90	-40	10	0
0:16	3	161	6	30.79	48	90	-40	0	0
0:01	1.4	149	3	30.79	48	89	-40	10	0
Date:	11/19/99								
23:46	0.6	149	2	30.79	47	89	-40	10	0
23:31	0	149	1	30.79	46	89	-40	10	0
23:16	0	149	3	30.79	46	88	-40	10	0
23:01	0	149	1	30.79	46	87	-40	0	0
22:46	0	149	1	30.79	46	87	-40	10	0
22:31	0.1	149	1	30.79	46	87	-40	10	0
22:16	0	149	1	30.79	46	87	-40	0	0
22:01	0	149	0	30.79	46	85	-40	10	0
21:46	0.1	149	1	30.79	47	86	-40	0	0
21:31	0.1	149	2	30.79	48	85	-40	0	0
21:16	0.9	149	3	30.79	48	85	-40	10	0
21:01	2.5	149	4	30.79	48	84	-40	0	0
20:46	2.4	149	5	30.79	48	85	-40	10	0
20:31	2.5	148	4	30.79	48	84	-40	0	0
20:16	2.5	142	4	30.79	48	83	-40	0	0
20:01	1.8	141	4	30.79	47	84	-40	10	0
19:46	2.1	141	4	30.79	47	82	-40	0	0
19:31	0.9	141	3	30.79	46	82	-40	0	0
19:16	1.1	141	5	30.79	46	82	-40	0	0
19:01	0	141	2	30.79	46	81	-40	10	0
18:46	0.1	141	2	30.79	46	81	-40	10	0
18:31	0.1	141	1	30.79	47	81	-40	0	0

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18:16	0.2	141	2	30.79	48	79	-40	0	0
18:01	0.5	141	3	30.79	48	79	-40	0	0
17:46	1.5	141	4	30.79	49	78	-40	10	0
17:31	2	141	6	30.79	49	78	-40	0	0
17:16	1.4	146	5	30.79	50	77	-40	10	0
17:01	3.2	146	7	30.79	51	76	-40	10	0
16:46	2.7	149	8	30.79	51	76	-40	0	0
16:31	3.8	150	12	30.79	52	74	-40	10	0
16:16	4.6	168	11	30.79	52	74	-40	10	0
16:01	5.9	159	12	30.79	52	72	-40	0	0
15:46	6.8	121	11	30.79	52	73	-40	10	0
15:31	7.5	168	14	30.79	52	72	-40	10	0
15:16	8.1	149	12	30.79	54	70	-40	10	0
15:01	7.6	156	13	30.79	54	68	-40	0	0
14:46	8.3	152	12	30.79	55	68	-40	0	0
14:31	8.2	164	14	30.79	55	67	-40	0	0
14:16	7.1	160	13	30.79	55	65	-40	10	0
14:01	5.8	163	10	30.79	56	63	-40	10	0
13:46	4.9	173	13	30.79	57	62	-40	10	0
13:31	4	146	11	30.79	57	62	-40	0	0
13:16	3.9	163	12	30.79	58	61	-40	0	0
13:01	6.3	184	12	30.79	57	62	-40	10	0
12:46	5.7	155	15	30.79	58	62	-40	0	0
12:31	5.5	189	14	30.79	57	60	-40	10	0
12:16	6.9	167	15	30.79	57	61	-40	10	0
12:01	6.7	173	15	30.79	57	60	-40	10	0
11:46	4.8	161	13	30.79	57	59	-40	10	0
11:31	6.5	182	15	30.79	57	58	-40	10	0
11:16	3.1	171	10	30.79	59	58	-40	10	0
11:01	3.8	175	9	30.79	59	60	-40	10	0
10:46	4.4	177	12	30.79	58	62	-40	10	0
10:31	4.5	148	10	30.79	57	60	-40	10	0
10:16	3.1	203	10	30.79	58	61	-40	10	0
10:01	2.5	180	8	30.79	57	62	-40	0	0
9:46	2.1	180	8	30.79	57	62	-40	10	0
9:31	0.8	199	7	30.79	57	65	-40	10	0
9:16	2.7	181	8	30.79	55	67	-40	0	0
9:01	1	198	6	30.79	54	67	-40	10	0
8:46	0	202	0	30.79	52	69	-40	10	0
8:31	0	209	2	30.79	51	72	-40	10	0
8:16	0	209	0	30.79	48	73	-40	0	0
8:01	0	209	0	30.79	46	73	-40	0	0
7:46	0	209	0	30.79	43	74	-40	10	0
7:31	0	209	0	30.79	42	73	-40	10	0
7:16	0	209	0	30.79	41	72	-40	10	0
7:01	0	207	0	30.79	42	71	-40	10	0
6:46	0	207	0	30.79	42	70	-40	10	0
6:31	0	209	0	30.79	43	70	-40	10	0
6:16	0	207	0	30.79	44	69	-40	10	0
6:01	0	209	0	30.79	45	69	-40	0	0
5:46	0	209	0	30.79	45	68	-40	10	0
5:31	0	209	0	30.79	45	70	-40	10	0
5:16	0	209	0	30.79	45	68	-40	0	0
5:01	0	209	0	30.79	45	67	-40	10	0
4:46	0	209	3	30.79	45	67	-40	0	0
4:31	0	207	4	30.79	46	67	-40	10	0
4:16	0	199	6	30.79	47	68	-40	0	0
4:01	0.6	206	5	30.79	47	69	-40	10	0

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3:46	0.4	192	6	30.79	46	71	-40	10	0
3:31	0	212	3	30.79	46	73	-40	10	0
3:16	0	227	4	30.79	45	73	-40	10	0
3:01	0	195	3	30.79	45	73	-40	10	0
2:46	0.7	193	4	30.79	45	72	-40	10	0
2:31	0.6	193	4	30.79	46	72	-40	0	0
2:16	0	200	3	30.79	46	71	-40	0	0
2:01	0.3	200	3	30.79	46	72	-40	0	0
1:46	1.9	192	5	30.79	46	72	-40	10	0
1:31	0.2	213	2	30.79	46	72	-40	0	0
1:16	0.3	212	3	30.79	46	73	-40	0	0
1:01	0	227	2	30.79	46	73	-40	10	0
0:46	0	226	0	30.79	45	72	-40	10	0
0:31	0	226	0	30.79	45	72	-40	0	0
0:16	0	226	0	30.79	45	72	-40	10	0
0:01	0	226	0	30.79	45	72	-40	10	0
Date:	11/18/99								
23:46	0	226	0	30.79	45	72	-40	10	0
23:31	0	226	1	30.79	45	72	-40	0	0
23:16	0	226	0	30.79	45	72	-40	0	0
23:01	0	226	0	30.79	44	72	-40	0	0
22:46	0	226	2	30.79	44	72	-40	10	0
22:31	0	226	0	30.79	43	73	-40	-10	0
22:16	0	226	0	30.79	42	73	-40	-10	0
22:01	0	226	0	30.79	42	73	-40	-10	0
21:46	0	226	0	30.79	42	73	-40	-10	0
21:31	0	226	0	30.79	41	73	-40	10	0
21:16	0	226	0	30.79	40	74	-40	0	0
21:01	0	226	0	30.79	40	73	-40	10	0
20:46	0	226	0	30.79	39	72	-40	10	0
20:31	0	226	0	30.79	39	72	-40	0	0
20:16	0	226	0	30.79	37	72	-40	0	0
20:01	0	226	0	30.79	37	71	-40	10	0
19:46	0	226	0	30.79	37	71	-40	-10	0
19:31	0	226	0	30.79	38	69	-40	0	0
19:16	0	226	0	30.79	39	68	-40	10	0
19:01	0	226	0	30.79	39	67	-40	10	0
18:46	0	227	0	30.79	39	67	-40	10	0
18:31	0	227	0	30.79	39	66	-40	10	0
18:16	0	230	0	30.79	39	65	-40	0	0
18:01	0	213	0	30.79	40	63	-40	10	0
17:46	0	220	0	30.79	40	61	-40	10	0
17:31	0	223	0	30.79	42	59	-40	10	0
17:16	0.3	209	3	30.79	42	57	-40	10	0
17:01	0.1	202	2	30.79	43	57	-40	10	0
16:46	0.2	200	4	30.79	43	54	-40	10	0
16:31	0.4	209	5	30.79	45	53	-40	0	0
16:16	1.6	217	8	30.79	46	52	-40	0	0
16:01	3.3	209	12	30.79	46	51	-40	0	0
15:46	2.8	203	12	30.79	46	50	-40	0	0
15:31	4.3	193	13	30.79	47	48	-40	0	0
15:16	3.7	207	12	30.79	48	47	-40	0	0
15:01	3.7	184	13	30.79	49	46	-40	10	0
14:46	5.1	196	17	30.79	49	47	-40	10	0
14:31	4.6	227	12	30.79	50	47	-40	0	0
14:16	4.6	188	14	30.79	49	48	-40	10	0
14:01	5.5	195	15	30.79	49	47	-40	10	0
13:46	4.2	183	13	30.79	49	48	-40	10	0

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13:31	4	202	20	30.79	49	48	-40	10	0
13:16	4.9	203	17	30.79	49	49	-40	0	0
13:01	3.9	202	16	30.79	49	49	-40	0	0
12:46	6.2	181	15	30.79	49	48	-40	10	0
12:31	4.3	181	16	30.79	49	48	-40	10	0
12:16	5	193	16	30.79	49	48	-40	10	0
12:01	3.5	216	14	30.79	49	46	-40	10	0
11:46	1.5	148	15	30.79	50	46	-40	10	0
11:31	1.3	210	12	30.79	51	46	-40	10	0
11:16	1.3	216	11	30.79	50	46	-40	0	0
11:01	0.9	245	10	30.79	49	46	-40	0	0
10:46	1.4	205	9	30.79	49	49	-40	0	0
10:31	2.3	202	16	30.79	48	49	-40	0	0
10:16	0.9	205	10	30.79	49	51	-40	10	0
10:01	2	171	9	30.79	48	49	-40	0	0
9:46	0.8	219	8	30.79	48	50	-40	0	0
9:31	0.2	244	6	30.79	46	52	-40	10	0
9:16	1.5	235	11	30.79	44	56	-40	10	0
9:01	3.8	238	10	30.79	42	58	-40	0	0
8:46	3.3	230	8	30.79	42	62	-40	0	0
8:31	3.2	244	10	30.79	40	64	-40	10	0
8:16	3.3	253	8	30.79	38	67	-40	10	0
8:01	4	251	8	30.79	36	68	-40	10	0
7:46	3.5	256	6	30.79	34	69	-40	0	0
7:31	2.5	264	6	30.79	33	70	-40	0	0
7:16	1	259	5	30.79	33	70	-40	10	0
7:01	0.1	259	3	30.79	33	72	-40	0	0
6:46	1.9	259	5	30.79	32	73	-40	10	0
6:31	1.2	259	5	30.79	31	73	-40	10	0
6:16	0	259	1	30.79	30	73	-40	10	0
6:01	0	260	0	30.79	29	73	-40	10	0
5:46	0	260	0	30.79	29	72	-40	10	0
5:31	0	260	0	30.79	30	71	-40	10	0
5:16	0	260	0	30.79	30	70	-40	0	0
5:01	0	262	1	30.79	31	70	-40	10	0
4:46	0	260	0	30.79	31	70	-40	10	0
4:31	0	260	0	30.79	31	70	-40	0	0
4:16	0.2	262	3	30.79	32	69	-40	10	0
4:01	0.9	262	3	30.79	32	69	-40	10	0
3:46	0.8	262	4	30.79	32	71	-40	10	0
3:31	0.4	266	3	30.79	31	72	-40	0	0
3:16	0	267	0	30.79	30	71	-40	10	0
3:01	0	267	0	30.79	30	71	-40	10	0
2:46	0	270	0	30.79	28	71	-40	0	0
2:31	0	270	0	30.79	27	70	-40	10	0
2:16	0	270	0	30.79	27	69	-40	10	0
2:01	0	270	0	30.79	28	68	-40	0	0
1:46	0	270	0	30.79	29	67	-40	10	0
1:31	0	270	0	30.79	30	67	-40	10	0
1:16	0	270	0	30.79	30	66	-40	0	0
1:01	0	270	0	30.79	31	65	-40	0	0
0:46	0	270	0	30.79	31	64	-40	10	0
0:31	0	270	0	30.79	31	63	-40	10	0
0:16	1.9	270	3	30.79	32	62	-40	0	0
0:01	2.7	270	4	30.79	33	62	-40	10	0
Date:	11/17/99								
23:46	4.4	270	7	30.79	33	62	-40	0	0
23:31	3.6	262	6	30.79	33	62	-40	0	0

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23:16	0.9	264	4	30.79	33	62	-40	10	0
23:01	0.9	266	4	30.79	32	61	-40	10	0
22:46	0.1	266	4	30.79	33	61	-40	10	0
22:31	3.3	266	6	30.79	34	59	-40	10	0
22:16	2.5	256	6	30.79	34	59	-40	0	0
22:01	4.2	256	8	30.79	34	59	-40	0	0
21:46	5.5	270	9	30.79	35	59	-40	0	0
21:31	5.3	264	8	30.79	35	58	-40	10	0
21:16	4.5	263	8	30.79	35	57	-40	10	0
21:01	4.8	262	7	30.79	36	56	-40	0	0
20:46	5	260	8	30.79	36	55	-40	10	0
20:31	5	270	8	30.79	36	55	-40	0	0
20:16	6.9	270	11	30.79	36	55	-40	0	0
20:01	8.5	284	13	30.79	37	54	-40	0	0
19:46	7.4	284	11	30.79	37	54	-40	10	0
19:31	4.5	270	9	30.79	37	53	-40	0	0
19:16	4.5	258	10	30.79	37	52	-40	0	0
19:01	10.7	263	16	30.79	38	51	-40	0	0
18:46	6.8	271	12	30.79	38	49	-40	10	0
18:31	5.4	258	8	30.79	37	48	-40	10	0
18:16	4.3	258	7	30.79	37	46	-40	0	0
18:01	4.7	269	7	30.79	38	45	-40	10	0
17:46	5.5	259	9	30.79	39	45	-40	0	0
17:31	7.3	266	10	30.79	39	44	-40	0	0
17:16	7.2	267	12	30.79	39	43	-40	0	0
17:01	9.3	271	15	30.79	39	42	-40	10	0
16:46	9.8	277	17	30.79	40	42	-40	10	0
16:31	13	266	18	30.79	40	42	-40	0	0
16:16	12.1	281	18	30.79	40	41	-40	10	0
16:01	12.6	267	22	30.79	41	40	-40	0	0
15:46	14.6	276	25	30.79	42	40	-40	0	0
15:31	15.2	274	26	30.79	42	39	-40	0	0
15:16	16.1	248	26	30.79	42	39	-40	0	0
15:01	13.4	276	23	30.79	42	40	-40	0	0
14:46	14.5	266	28	30.79	43	40	-40	10	0
14:31	14.3	284	24	30.79	42	40	-40	10	0
14:16	16	288	31	30.79	42	40	-40	10	0
14:01	18.5	259	29	30.79	42	39	-40	0	0
13:46	16.8	266	33	30.79	42	39	-40	0	0
13:31	19	266	30	30.79	42	39	-40	0	0
13:16	17.9	287	33	30.79	41	41	-40	0	0
13:01	15.9	283	31	30.79	41	42	-40	0	0
12:46	15	270	31	30.79	42	42	-40	0	0
12:31	16.6	260	27	30.79	40	43	-40	10	0
12:16	15	288	27	30.79	40	43	-40	0	0
12:01	14.2	270	24	30.79	40	45	-40	0	0
11:46	14.9	301	28	30.79	39	47	-40	10	0
11:31	14.8	274	23	30.79	39	47	-40	0	0
11:16	16.2	283	27	30.79	39	49	-40	10	0
11:01	16.6	302	24	30.79	38	50	-40	0	0
10:46	16.3	284	28	30.79	38	51	-40	10	0
10:31	16.8	274	27	30.79	37	51	-40	0	0
10:16	13.6	270	30	30.79	37	52	-40	10	0
10:01	17.5	271	33	30.79	37	53	-40	10	0
9:46	14.6	271	29	30.79	36	54	-40	0	0
9:31	16.7	258	30	30.79	36	55	-40	0	0
9:16	18.1	277	31	30.79	36	55	-40	0	0
9:01	16.8	305	31	30.79	36	56	-40	0	0

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8:46	16.8	292	31	30.79	35	57	-40	10	0
8:31	18.5	280	30	30.79	34	57	-40	10	0
8:16	17.6	264	27	30.79	34	58	-40	10	0
8:01	16.1	266	31	30.79	34	59	-40	10	0
7:46	13.2	263	25	30.79	33	60	-40	10	0
7:31	10.7	246	22	30.79	33	61	-40	10	0
7:16	11	263	19	30.79	33	61	-40	0	0
7:01	8.9	262	14	30.79	31	61	-40	10	0
6:46	7.9	256	13	30.79	32	61	-40	0	0
6:31	8.1	260	14	30.79	32	61	-40	10	0
6:16	10.2	271	16	30.79	32	61	-40	10	0
6:01	10	277	18	30.79	32	61	-40	10	0
5:46	9.6	269	17	30.79	32	61	-40	10	0
5:31	10.9	267	17	30.79	33	61	-40	10	0
5:16	12.4	245	22	30.79	33	61	-40	10	0
5:01	9.6	255	16	30.79	33	61	-40	10	0
4:46	11.2	266	19	30.79	33	60	-40	10	0
4:31	11.3	264	19	30.79	33	60	-40	10	0
4:16	13.7	264	23	30.79	33	60	-40	10	0
4:01	12.4	262	21	30.79	33	60	-40	10	0
3:46	14.2	269	20	30.79	33	59	-40	10	0
3:31	18.5	270	29	30.79	34	59	-40	10	0
3:16	21.1	262	37	30.79	34	60	-40	10	0
3:01	13.8	266	29	30.79	34	60	-40	10	0
2:46	13.5	259	22	30.79	34	60	-40	0	0
2:31	10.5	264	21	30.79	34	60	-40	10	0
2:16	13.1	258	23	30.79	34	60	-40	10	0
2:01	12	251	22	30.79	34	61	-40	10	0
1:46	10.6	259	19	30.79	34	61	-40	0	0
1:31	13.4	280	24	30.79	34	62	-40	0	0
1:16	12.8	269	24	30.79	34	62	-40	10	0
1:01	15.2	264	28	30.79	34	61	-40	10	0
0:46	15.5	271	29	30.79	34	61	-40	10	0
0:31	16	270	28	30.79	34	61	-40	0	0
0:16	16.4	269	27	30.79	34	61	-40	10	0
0:01	18.2	281	29	30.79	34	61	-40	10	0
Date:	11/16/99								
23:46	16.4	290	25	30.79	34	61	-40	0	0
23:31	18.8	273	31	30.79	34	62	-40	0	0
23:16	18.7	266	32	30.79	34	62	-40	10	0
23:01	19	269	28	30.79	34	62	-40	10	0
22:46	15.9	263	30	30.79	34	62	-40	0	0
22:31	16.1	273	28	30.79	34	62	-40	0	0
22:16	14.9	271	24	30.79	34	62	-40	10	0
22:01	14.7	262	22	30.79	34	62	-40	0	0
21:46	18.2	294	25	30.79	34	62	-40	0	0
21:31	18.2	277	34	30.79	34	62	-40	0	0
21:16	18.8	276	31	30.79	34	61	-40	10	0
21:01	17.8	266	29	30.79	34	61	-40	0	0
20:46	17.8	271	37	30.79	34	60	-40	10	0
20:31	17.6	263	29	30.79	34	60	-40	0	0
20:16	20.3	271	34	30.79	34	59	-40	10	0
20:01	17.5	255	32	30.79	34	58	-40	10	0
19:46	18.3	273	36	30.79	34	58	-40	0	0
19:31	16.6	281	29	30.79	34	58	-40	10	0
19:16	19.3	271	33	30.79	34	57	-40	0	0
19:01	22	277	32	30.79	34	57	-40	10	0
18:46	22.5	271	35	30.79	34	57	-40	10	0

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18:31	23.4	262	35	30.79	34	56	-40	10	0
18:16	19.9	248	36	30.79	34	56	-40	10	0
18:01	22	273	42	30.79	35	56	-40	10	0
17:46	22	266	36	30.79	36	56	-40	0	0
17:31	22.4	263	35	30.79	36	54	-40	0	0
17:16	24.6	256	37	30.79	36	54	-40	10	0
17:01	19.3	273	38	30.79	36	54	-40	10	0
16:46	20.9	273	34	30.79	37	54	-40	10	0
16:31	20.5	269	32	30.79	37	54	-40	0	0
16:16	21.2	305	41	30.79	37	53	-40	10	0
16:01	17.5	285	33	30.79	37	53	-40	0	0
15:46	22.1	283	37	30.79	37	53	-40	10	0
15:31	21.4	271	38	30.79	37	52	-40	0	0
15:16	23.7	263	43	30.79	38	52	-40	0	0
15:01	25.1	264	44	30.79	39	52	-40	10	0
14:46	20.2	249	36	30.79	39	51	-40	0	0
14:31	19.3	260	36	30.79	39	52	-40	0	0
14:16	20.1	281	38	30.79	39	52	-40	0	0
14:01	22.1	267	37	30.79	39	51	-40	10	0
13:46	19.5	288	33	30.79	39	50	-40	10	0
13:31	23	271	38	30.79	39	50	-40	10	0
13:16	18.3	287	35	30.79	39	52	-40	10	0
13:01	18.3	269	36	30.79	39	52	-40	10	0
mpleted:									

Downloaded Weather Station Data 11/30/99
DZUS FASTENERS
West Islip, NY

RECEIVED
DEC 1 1999
EARTHTECH

:start of data:									
Station: DZUSFASTENERS									
English Units									
Loging Period in minutes: 15									
Date and Time: 11/30/1999	15:57								
TIME	WS	WD	PK	BP	T1	RH1	T2	SR	RF
HH:MM	mph	deg	mph	in	F	%	F	W/m^2	in
Date:	11/30/99								
15:46	11.4	345	20	30.79	37	59	-40	10	0
15:31	11	333	21	30.79	37	61	-40	0	0
15:16	11.5	344	19	30.79	37	60	-40	0	0
15:01	11.6	352	24	30.79	37	61	-40	10	0
14:46	13.6	320	27	30.79	37	62	-40	0	0
14:31	11.5	320	21	30.79	37	62	-40	10	0
14:16	10.7	340	20	30.79	37	62	-40	10	0
14:01	13.6	354	24	30.79	37	63	-40	10	0
13:46	11.8	347	22	30.79	37	62	-40	0	0
13:31	10.5	15	20	30.79	37	63	-40	10	0
13:16	11.8	349	24	30.79	37	63	-40	10	0
13:01	12	351	21	30.79	37	63	-40	0	0
12:46	13.4	338	21	30.79	37	65	-40	0	0
12:31	12.1	344	24	30.79	37	65	-40	0	0
12:16	12.2	298	23	30.79	36	67	-40	0	0
12:01	11.4	347	21	30.79	37	66	-40	10	0
11:46	10.4	333	21	30.79	36	66	-40	10	0
11:31	12	21	22	30.79	36	67	-40	10	0
11:16	11.4	1	20	30.79	37	66	-40	10	0
11:01	11.4	14	22	30.79	36	66	-40	0	0
10:46	9.8	335	19	30.79	36	66	-40	0	0
10:31	10	330	20	30.79	36	66	-40	0	0
10:16	10.8	4	20	30.79	36	69	-40	10	0
10:01	12.1	319	20	30.79	36	66	-40	10	0
9:46	12.8	338	21	30.79	35	70	-40	0	0
9:31	9.7	330	19	30.79	36	69	-40	0	0
9:16	10.8	331	18	30.79	34	71	-40	10	0
9:01	11.2	340	19	30.79	33	72	-40	10	0
8:46	12.2	326	19	30.79	34	71	-40	0	0
8:31	9.5	306	19	30.79	34	73	-40	10	0
8:16	7	337	15	30.79	33	74	-40	0	0
8:01	8.3	309	16	30.79	33	75	-40	0	0
7:46	6.5	323	12	30.79	32	76	-40	0	0
7:31	5.9	320	10	30.79	31	76	-40	10	0
7:16	7	326	13	30.79	31	76	-40	0	0
7:01	5.9	312	12	30.79	31	76	-40	0	0
6:46	4.9	292	9	30.79	31	76	-40	10	0
6:31	4.8	302	9	30.79	31	76	-40	10	0
6:16	4.3	299	7	30.79	31	76	-40	0	0
6:01	5	292	7	30.79	31	75	-40	10	0
5:46	5.3	295	11	30.79	31	74	-40	0	0
5:31	6.2	303	12	30.79	31	74	-40	0	0
5:16	6.6	301	11	30.79	31	73	-40	0	0
5:01	7.1	322	12	30.79	32	73	-40	10	0
4:46	7.5	320	13	30.79	32	74	-40	0	0
4:31	6.8	285	11	30.79	31	74	-40	10	0
4:16	5.7	299	10	30.79	32	75	-40	10	0
4:01	5.8	295	10	30.79	32	75	-40	0	0

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3:46	5.1	315	10	30.79	32	77	-40	10	0
3:31	4.6	302	8	30.79	31	77	-40	10	0
3:16	4.5	303	7	30.79	31	78	-40	0	0
3:01	4.2	317	8	30.79	31	78	-40	10	0
2:46	3.7	310	6	30.79	31	79	-40	0	0
2:31	3.8	298	6	30.79	32	79	-40	10	0
2:16	4	295	6	30.79	32	79	-40	0	0
2:01	4.5	308	7	30.79	33	79	-40	0	0
1:46	4.9	305	8	30.79	33	79	-40	10	0
1:31	4.4	298	8	30.79	33	79	-40	0	0
1:16	5.4	294	10	30.79	33	78	-40	0	0
1:01	5.6	295	10	30.79	33	79	-40	0	0
0:46	5.3	306	8	30.79	33	79	-40	0	0
0:31	4.1	294	7	30.79	32	78	-40	10	0
0:16	2.3	294	5	30.79	32	78	-40	10	0
0:01	3.5	283	8	30.79	33	78	-40	0	0
Date:	11/29/99								
23:46	4.2	280	6	30.79	33	77	-40	10	0
23:31	3.6	280	6	30.79	33	78	-40	10	0
23:16	2.2	277	4	30.79	33	77	-40	0	0
23:01	3.2	277	5	30.79	33	75	-40	0	0
22:46	2.6	278	4	30.79	33	75	-40	0	0
22:31	1.5	280	4	30.79	33	76	-40	0	0
22:16	0.5	278	2	30.79	33	73	-40	10	0
22:01	2.4	278	4	30.79	34	73	-40	10	0
21:46	3.6	278	5	30.79	34	72	-40	10	0
21:31	3.6	278	6	30.79	35	71	-40	10	0
21:16	4.3	278	7	30.79	35	70	-40	0	0
21:01	4.6	277	8	30.79	36	68	-40	10	0
20:46	6	274	10	30.79	36	69	-40	10	0
20:31	7.2	284	10	30.79	36	68	-40	10	0
20:16	6.5	287	9	30.79	37	66	-40	0	0
20:01	6.5	281	11	30.79	37	66	-40	10	0
19:46	5.9	291	10	30.79	37	66	-40	10	0
19:31	5.2	285	9	30.79	37	65	-40	0	0
19:16	6.6	274	11	30.79	38	65	-40	10	0
19:01	7.8	274	13	30.79	39	64	-40	10	0
18:46	8.4	306	15	30.79	39	63	-40	10	0
18:31	8.4	291	15	30.79	39	66	-40	10	0
18:16	6.2	288	11	30.79	39	70	-40	0	0
18:01	3.6	256	6	30.79	37	71	-40	10	0
17:46	2.7	252	6	30.79	38	72	-40	0	0
17:31	2.7	252	6	30.79	37	73	-40	10	0
17:16	0.3	246	5	30.79	37	71	-40	0	0
17:01	1.2	230	7	30.79	38	70	-40	10	0
16:46	4.7	251	9	30.79	39	68	-40	0	0
16:31	5	259	11	30.79	39	67	-40	10	0
16:16	5.7	259	12	30.79	40	67	-40	0	0
16:01	6	263	12	30.79	40	65	-40	10	0
15:46	7.2	284	17	30.79	40	68	-40	10	0
15:31	9.8	255	21	30.79	39	68	-40	10	0
15:16	12.8	274	21	30.79	40	64	-40	10	0
15:01	13.2	276	22	30.79	41	65	-40	10	0
14:46	2.4	264	9	30.79	43	60	-40	10	0
14:31	7.6	262	19	30.79	43	60	-40	0	0
14:16	7.7	276	17	30.79	43	59	-40	10	0
14:01	9	266	17	30.79	43	61	-40	0	0
13:46	12.1	245	21	30.79	43	61	-40	0	0
13:31	9.7	253	18	30.79	43	62	-40	0	0
13:16	6.7	270	13	30.79	43	62	-40	0	0
13:01	10.6	259	24	30.79	42	61	-40	0	0

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12:46	6.6	248	20	30.79	44	57	-40	0	0
12:31	5.5	232	15	30.79	45	56	-40	0	0
12:16	8.5	224	20	30.79	45	55	-40	10	0
12:01	5.5	256	22	30.79	46	52	-40	0	0
11:46	5.7	195	21	30.79	47	48	-40	0	0
11:31	7.1	262	17	30.79	46	48	-40	0	0
11:16	7.4	227	19	30.79	48	47	-40	10	0
11:01	5.2	267	18	30.79	48	47	-40	10	0
10:46	4.4	206	13	30.79	48	47	-40	10	0
10:31	4.2	195	12	30.79	48	48	-40	0	0
10:16	3.6	242	11	30.79	48	49	-40	10	0
10:01	4.3	175	11	30.79	46	53	-40	10	0
9:46	5.8	266	12	30.79	45	53	-40	10	0
9:31	5.3	256	13	30.79	44	53	-40	0	0
9:16	4.3	227	9	30.79	45	56	-40	10	0
9:01	3.1	238	12	30.79	43	57	-40	10	0
8:46	4.2	255	11	30.79	42	60	-40	10	0
8:31	3.3	258	8	30.79	40	62	-40	10	0
8:16	2.4	256	8	30.79	39	62	-40	0	0
8:01	2.8	249	6	30.79	38	63	-40	0	0
7:46	2.7	258	7	30.79	37	63	-40	10	0
7:31	2.7	259	5	30.79	37	63	-40	10	0
7:16	2.8	260	6	30.79	37	62	-40	0	0
7:01	4.1	258	7	30.79	37	62	-40	10	0
6:46	5	256	10	30.79	38	62	-40	10	0
6:31	5.6	258	11	30.79	38	62	-40	0	0
6:16	5.3	262	9	30.79	37	62	-40	10	0
6:01	5.6	271	9	30.79	38	63	-40	10	0
5:46	5.1	262	8	30.79	37	63	-40	0	0
5:31	5.3	266	9	30.79	38	63	-40	0	0
5:16	4.8	264	7	30.79	38	64	-40	0	0
5:01	6.4	276	10	30.79	38	64	-40	10	0
4:46	7	264	10	30.79	38	63	-40	10	0
4:31	6.9	259	11	30.79	39	63	-40	10	0
4:16	6.4	281	10	30.79	39	62	-40	0	0
4:01	8.3	274	14	30.79	39	62	-40	10	0
3:46	8	242	12	30.79	39	62	-40	0	0
3:31	7.8	262	12	30.79	39	62	-40	10	0
3:16	5.2	271	11	30.79	38	62	-40	0	0
3:01	6.1	273	10	30.79	38	62	-40	0	0
2:46	5.9	259	9	30.79	37	62	-40	10	0
2:31	4.7	258	8	30.79	37	62	-40	10	0
2:16	4.1	264	7	30.79	37	62	-40	0	0
2:01	4.1	260	7	30.79	37	62	-40	0	0
1:46	4.3	269	7	30.79	37	61	-40	10	0
1:31	2.6	263	5	30.79	37	59	-40	10	0
1:16	3.3	264	5	30.79	38	60	-40	10	0
1:01	3.5	263	6	30.79	38	61	-40	10	0
0:46	0.8	263	4	30.79	37	62	-40	0	0
0:31	0	264	2	30.79	37	62	-40	0	0
0:16	0.3	264	2	30.79	38	58	-40	0	0
0:01	2.6	264	5	30.79	39	57	-40	0	0
Date:	11/28/99								
23:46	3.7	263	7	30.79	40	57	-40	0	0
23:31	1.1	259	6	30.79	39	57	-40	10	0
23:16	0.3	230	5	30.79	39	56	-40	10	0
23:01	0.8	242	4	30.79	40	53	-40	0	0
22:46	4	256	8	30.79	42	51	-40	10	0
22:31	7.3	267	12	30.79	42	51	-40	0	0
22:16	8.9	277	13	30.79	42	51	-40	0	0
22:01	8	264	12	30.79	42	51	-40	0	0

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21:46	9.7	284	15	30.79	43	50	-40	10	0
21:31	8	280	14	30.79	43	50	-40	10	0
21:16	6.9	281	14	30.79	43	53	-40	0	0
21:01	6.5	267	10	30.79	42	55	-40	0	0
20:46	5.9	253	10	30.79	42	58	-40	0	0
20:31	3.3	262	5	30.79	42	56	-40	0	0
20:16	2.2	262	4	30.79	41	56	-40	10	0
20:01	1.1	262	5	30.79	42	55	-40	0	0
19:46	3.5	259	6	30.79	43	53	-40	0	0
19:31	5.5	277	8	30.79	43	52	-40	0	0
19:16	5.9	271	13	30.79	44	52	-40	10	0
19:01	4.7	277	8	30.79	44	52	-40	0	0
18:46	7	274	10	30.79	45	51	-40	10	0
18:31	7.5	271	12	30.79	45	50	-40	10	0
18:16	6.4	268	9	30.79	45	50	-40	10	0
18:01	5.4	259	11	30.79	45	49	-40	0	0
17:46	6.4	269	11	30.79	46	48	-40	10	0
17:31	7.9	281	11	30.79	46	48	-40	10	0
17:16	8.6	260	14	30.79	46	47	-40	10	0
17:01	8.7	259	16	30.79	46	47	-40	0	0
16:46	9.9	271	18	30.79	47	48	-40	0	0
16:31	9.7	269	19	30.79	47	46	-40	0	0
16:16	8	264	14	30.79	48	46	-40	10	0
16:01	13.1	285	19	30.79	48	45	-40	10	0
15:46	11.3	281	20	30.79	48	44	-40	10	0
15:31	12.1	287	19	30.79	48	47	-40	0	0
15:16	10.5	259	19	30.79	49	45	-40	10	0
15:01	11.7	306	20	30.79	49	45	-40	10	0
14:46	13.2	270	24	30.79	49	44	-40	0	0
14:31	13.7	285	25	30.79	49	46	-40	0	0
14:16	15.2	269	28	30.79	49	45	-40	0	0
14:01	14.9	283	26	30.79	49	45	-40	10	0
13:46	14.4	277	24	30.79	49	45	-40	10	0
13:31	15.4	277	25	30.79	49	45	-40	0	0
13:16	14.4	281	23	30.79	49	45	-40	0	0
13:01	13.5	281	23	30.79	49	45	-40	0	0
12:46	12.7	278	19	30.79	49	45	-40	10	0
12:31	14.8	283	24	30.79	49	45	-40	10	0
12:16	15.4	274	24	30.79	49	44	-40	0	0
12:01	15.6	287	25	30.79	48	45	-40	10	0
11:46	12.6	322	24	30.79	48	47	-40	10	0
11:31	18.1	284	31	30.79	48	47	-40	10	0
11:16	16.7	280	31	30.79	48	48	-40	0	0
11:01	17.6	268	28	30.79	48	48	-40	0	0
10:46	15.9	277	29	30.79	47	50	-40	10	0
10:31	17.4	277	27	30.79	47	49	-40	10	0
10:16	14.1	285	24	30.79	47	51	-40	10	0
10:01	13.7	278	22	30.79	46	50	-40	0	0
9:46	13.5	278	24	30.79	46	51	-40	10	0
9:31	13.5	268	22	30.79	46	50	-40	10	0
9:16	14.6	280	23	30.79	46	50	-40	10	0
9:01	14.3	269	25	30.79	46	51	-40	10	0
8:46	13	255	20	30.79	45	53	-40	0	0
8:31	13.3	269	21	30.79	45	53	-40	0	0
8:16	11.5	287	18	30.79	44	54	-40	10	0
8:01	9.9	259	16	30.79	44	53	-40	0	0
7:46	10.6	283	19	30.79	44	54	-40	10	0
7:31	9.7	287	18	30.79	43	57	-40	10	0
7:16	6	271	12	30.79	43	58	-40	0	0
7:01	9.3	277	17	30.79	43	58	-40	0	0
6:46	11	283	17	30.79	44	58	-40	10	0

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6:31	8.2	288	12	30.79	44	60	-40	0	0
6:16	5.9	278	12	30.79	44	59	-40	10	0
6:01	5.4	280	8	30.79	45	59	-40	10	0
5:46	5.4	276	11	30.79	45	59	-40	10	0
5:31	8.1	315	15	30.79	46	59	-40	0	0
5:16	7	290	11	30.79	46	62	-40	0	0
5:01	10	280	20	30.79	46	62	-40	10	0
4:46	8.7	267	15	30.79	46	66	-40	0	0
4:31	7	263	13	30.79	46	67	-40	0	0
4:16	4.9	256	11	30.79	46	69	-40	10	0
4:01	4.1	238	7	30.79	45	69	-40	10	0
3:46	3.3	251	7	30.79	46	69	-40	0	0
3:31	3.3	259	8	30.79	46	68	-40	0	0
3:16	4.7	249	10	30.79	46	68	-40	10	0
3:01	5.7	241	11	30.79	46	68	-40	10	0
2:46	4.7	258	10	30.79	46	68	-40	10	0
2:31	6.2	259	10	30.79	46	67	-40	10	0
2:16	6.6	266	10	30.79	47	66	-40	0	0
2:01	7	269	10	30.79	47	66	-40	10	0
1:46	6.6	262	12	30.79	48	65	-40	0	0
1:31	5.9	258	12	30.79	47	66	-40	10	0
1:16	3.9	264	9	30.79	47	65	-40	0	0
1:01	4.1	256	8	30.79	48	64	-40	10	0
0:46	5.5	258	9	30.79	48	64	-40	0	0
0:31	4.5	258	10	30.79	48	64	-40	0	0
0:16	4.3	270	11	30.79	48	64	-40	10	0
0:01	3.8	252	8	30.79	48	64	-40	10	0
Date:	11/27/99								
23:46	3.7	248	9	30.79	48	64	-40	10	0
23:31	5.3	255	10	30.79	48	67	-40	0	0
23:16	3.6	256	7	30.79	47	68	-40	0	0
23:01	1.3	239	4	30.79	46	70	-40	0	0
22:46	0.7	238	3	30.79	46	68	-40	0	0
22:31	0.9	241	5	30.79	47	68	-40	0	0
22:16	2.1	239	5	30.79	47	68	-40	0	0
22:01	0.2	246	3	30.79	47	69	-40	0	0
21:46	1.3	249	5	30.79	48	68	-40	10	0
21:31	2.6	252	6	30.79	48	67	-40	0	0
21:16	1.7	242	5	30.79	48	68	-40	10	0
21:01	1	237	3	30.79	48	67	-40	10	0
20:46	1.3	242	5	30.79	49	65	-40	0	0
20:31	2.2	251	10	30.79	50	68	-40	10	0
20:16	2.8	238	7	30.79	50	65	-40	10	0
20:01	2.2	224	6	30.79	50	68	-40	10	0
19:46	2.4	232	7	30.79	50	67	-40	0	0
19:31	1.9	224	6	30.79	51	68	-40	10	0
19:16	3.3	231	8	30.79	51	68	-40	10	0
19:01	2.3	268	8	30.79	51	69	-40	10	0
18:46	1.3	242	6	30.79	50	68	-40	0	0
18:31	0.6	235	3	30.79	50	67	-40	10	0
18:16	0.3	248	3	30.79	50	67	-40	0	0
18:01	0.1	269	2	30.79	51	65	-40	0	0
17:46	2.6	269	5	30.79	52	63	-40	0	0
17:31	3.8	269	7	30.79	53	63	-40	0	0
17:16	3.8	263	7	30.79	53	63	-40	10	0
17:01	4.6	270	7	30.79	54	63	-40	10	0
16:46	6.1	271	9	30.79	54	63	-40	0	0
16:31	6.6	284	11	30.79	56	64	-40	10	0
16:16	6.6	269	13	30.79	55	63	-40	0	0
16:01	5.9	258	10	30.79	56	65	-40	0	0
15:46	7	262	11	30.79	55	65	-40	10	0

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15:31	7.7	258	15	30.79	55	68	-40	0	0
15:16	7.7	260	16	30.79	55	68	-40	10	0
15:01	9.1	274	14	30.79	55	69	-40	10	0
14:46	6.1	294	9	30.79	55	71	-40	10	0
14:31	5.4	305	10	30.79	56	72	-40	10	0
14:16	7.5	322	14	30.79	55	74	-40	10	0
14:01	9.5	327	17	30.79	55	75	-40	10	0
13:46	8.6	288	14	30.79	55	77	-40	10	0
13:31	7.8	296	13	30.79	55	79	-40	10	0
13:16	6.8	298	13	30.79	54	79	-40	0	0
13:01	8.6	303	13	30.79	55	79	-40	10	0
12:46	9.1	313	16	30.79	55	82	-40	10	0
12:31	10.9	308	16	30.79	54	84	-40	0	0
12:16	7.4	298	14	30.79	54	86	-40	0	0
12:01	8.1	327	15	30.79	54	89	-40	10	0
11:46	8.7	270	15	30.79	54	89	-40	0	0
11:31	9.3	280	19	30.79	54	90	-40	0	0
11:16	11.6	316	21	30.79	54	92	-40	0	0
11:01	13	278	21	30.79	54	94	-40	10	0
10:46	14.4	301	24	30.79	54	99	-40	10	0
10:31	14.4	299	25	30.79	54	99	-40	0	0
10:16	13.8	259	24	30.79	54	99	-40	10	0
10:01	9.2	269	17	30.79	54	99	-40	0	0
9:46	8.9	259	18	30.79	54	99	-40	0	0
9:31	9.5	264	18	30.79	54	99	-40	0	0
9:16	8.1	258	13	30.79	54	99	-40	10	0
9:01	8.4	285	13	30.79	53	99	-40	10	0
8:46	8.4	277	15	30.79	53	99	-40	0	0.01
8:31	7.1	262	14	30.79	53	99	-40	0	0.03
8:16	6.9	260	13	30.79	53	99	-40	0	0.03
8:01	5.2	268	10	30.79	54	99	-40	0	0.04
7:46	5.7	263	11	30.79	54	99	-40	10	0.04
7:31	9.1	284	13	30.79	54	99	-40	10	0.02
7:16	9	277	18	30.79	54	99	-40	10	0.02
7:01	10	273	15	30.79	54	99	-40	10	0.07
6:46	7.8	315	12	30.79	54	99	-40	10	0.1
6:31	6.7	278	12	30.79	55	99	-40	0	0.07
6:16	10.4	323	20	30.79	55	99	-40	10	0.05
6:01	10.1	317	20	30.79	57	99	-40	10	0.02
5:46	7	273	13	30.79	58	99	-40	10	0
5:31	3.5	262	9	30.79	57	99	-40	10	0
5:16	2.5	235	8	30.79	57	99	-40	10	0
5:01	3	198	7	30.79	58	99	-40	10	0
4:46	3.5	182	9	30.79	58	99	-40	10	0
4:31	4.5	171	11	30.79	57	99	-40	0	0
4:16	3.2	187	9	30.79	57	99	-40	10	0
4:01	2.7	184	8	30.79	57	99	-40	10	0
3:46	2.6	153	7	30.79	57	99	-40	10	0
3:31	3.5	188	9	30.79	58	99	-40	10	0
3:16	4.4	188	11	30.79	58	99	-40	10	0
3:01	4.2	159	13	30.79	59	99	-40	10	0.02
2:46	5.5	217	20	30.79	60	99	-40	0	0.02
2:31	7.1	189	20	30.79	59	99	-40	10	0
2:16	12.1	153	23	30.79	59	99	-40	10	0
2:01	12.7	180	25	30.79	60	99	-40	0	0
1:46	11.9	185	30	30.79	60	99	-40	0	0
1:31	11.7	167	27	30.79	61	99	-40	0	0
1:16	11.3	173	27	30.79	60	99	-40	10	0
1:01	11	152	21	30.79	60	99	-40	0	0
0:46	10.1	170	28	30.79	59	99	-40	10	0
0:31	10.8	157	24	30.79	59	99	-40	10	0

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0:16	14.1	171	25	30.79	60	99	-40	0	0
0:01	11.8	157	28	30.79	59	99	-40	0	0
Date:	11/26/99								
23:46	16.7	136	30	30.79	59	99	-40	10	0
23:31	14.8	141	30	30.79	59	99	-40	10	0.02
23:16	9.7	145	23	30.79	59	99	-40	10	0
23:01	13.3	152	31	30.79	60	99	-40	0	0
22:46	15.1	156	28	30.79	60	99	-40	10	0
22:31	16	177	32	30.79	61	99	-40	10	0
22:16	11.8	141	26	30.79	60	99	-40	10	0
22:01	12.4	145	25	30.79	59	99	-40	10	0
21:46	8.8	145	23	30.79	59	99	-40	0	0
21:31	7.3	156	18	30.79	58	99	-40	0	0.01
21:16	9.9	168	19	30.79	59	99	-40	10	0
21:01	10.4	143	23	30.79	60	99	-40	0	0
20:46	10.4	127	25	30.79	60	99	-40	10	0
20:31	10.8	156	23	30.79	60	99	-40	0	0
20:16	10.3	141	20	30.79	60	99	-40	0	0
20:01	10.3	152	27	30.79	60	99	-40	0	0
19:46	10.5	120	21	30.79	60	99	-40	10	0
19:31	9.6	129	20	30.79	60	99	-40	10	0
19:16	11	146	19	30.79	60	99	-40	0	0
19:01	6.5	148	23	30.79	60	99	-40	0	0
18:46	8.1	102	20	30.79	60	99	-40	10	0
18:31	8.5	104	19	30.79	60	99	-40	0	0
18:16	9.1	110	19	30.79	60	99	-40	10	0
18:01	8.5	127	21	30.79	60	99	-40	10	0
17:46	6.9	139	18	30.79	60	99	-40	10	0
17:31	9.9	155	22	30.79	60	99	-40	10	0
17:16	7	134	20	30.79	60	99	-40	10	0
17:01	8.4	127	24	30.79	60	99	-40	0	0
16:46	8.5	104	19	30.79	60	99	-40	10	0
16:31	8.7	114	23	30.79	60	99	-40	0	0
16:16	7.2	143	20	30.79	60	99	-40	10	0
16:01	5.7	159	18	30.79	60	99	-40	10	0
15:46	6.2	104	15	30.79	60	99	-40	10	0
15:31	4.3	135	11	30.79	60	99	-40	10	0
15:16	5.2	129	12	30.79	60	99	-40	0	0
15:01	4.5	149	12	30.79	60	99	-40	10	0
14:46	4.8	124	10	30.79	61	99	-40	0	0
14:31	4.3	129	12	30.79	61	97	-40	0	0
14:16	6.2	124	14	30.79	61	86	-40	10	0
14:01	5.1	163	15	30.79	60	98	-40	10	0
13:46	5.9	118	15	30.79	60	99	-40	10	0
13:31	5.9	134	15	30.79	61	99	-40	0	0
13:16	6.6	167	14	30.79	61	58	-40	0	0
13:01	9.4	139	16	30.79	60	99	-40	10	0
12:46	7.5	148	19	30.79	60	99	-40	10	0
12:31	7.2	152	17	30.79	62	99	-40	10	0
12:16	6.1	136	20	30.79	62	99	-40	10	0
12:01	6.7	113	18	30.79	61	99	-40	0	0
11:46	7.2	110	17	30.79	60	99	-40	10	0
11:31	8.4	134	19	30.79	60	99	-40	10	0
11:16	5.5	113	16	30.79	61	99	-40	10	0
11:01	4.9	136	11	30.79	61	99	-40	0	0
10:46	3.6	45	8	30.79	58	99	-40	0	0
10:31	3.3	77	8	30.79	58	61	-40	0	0
10:16	4	98	8	30.79	57	88	-40	10	0
10:01	5.3	84	9	30.79	57	72	-40	0	0
9:46	4.3	35	10	30.79	56	59	-40	10	0
9:31	3.6	90	8	30.79	56	99	-40	10	0

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9:16	5.2	49	11	30.79	55	99	-40	10	0
9:01	3.8	78	9	30.79	54	99	-40	10	0.01
8:46	6	124	13	30.79	54	99	-40	10	0.11
8:31	7.9	39	16	30.79	54	99	-40	10	0.06
8:16	7.8	43	15	30.79	54	99	-40	0	0.03
8:01	8.9	60	21	30.79	54	99	-40	0	0
7:46	8.6	93	18	30.79	54	99	-40	10	0
7:31	9.5	89	22	30.79	54	87	-40	0	0
7:16	8.2	70	17	30.79	54	99	-40	10	0
7:01	7.3	84	17	30.79	54	99	-40	0	0
6:46	7	72	16	30.79	54	99	-40	0	0
6:31	6.3	74	14	30.79	54	85	-40	0	0
6:16	5.8	64	13	30.79	53	99	-40	10	0
6:01	6	46	14	30.79	52	99	-40	10	0
5:46	6.5	54	14	30.79	52	99	-40	0	0
5:31	7.1	61	17	30.79	52	99	-40	0	0
5:16	7.2	63	12	30.79	51	99	-40	10	0
5:01	7.2	47	14	30.79	51	99	-40	10	0
4:46	7.4	50	14	30.79	51	99	-40	10	0
4:31	6.6	72	13	30.79	51	99	-40	10	0
4:16	5.6	53	10	30.79	51	99	-40	0	0
4:01	4.9	31	10	30.79	51	99	-40	10	0
3:46	4	25	10	30.79	51	99	-40	10	0
3:31	4.1	22	10	30.79	51	99	-40	0	0
3:16	3.8	28	11	30.79	50	99	-40	10	0
3:01	4.2	31	10	30.79	50	99	-40	0	0
2:46	4.6	26	10	30.79	50	99	-40	0	0
2:31	5.1	13	13	30.79	50	99	-40	0	0
2:16	6	7	11	30.79	50	99	-40	0	0
2:01	5.2	7	12	30.79	50	99	-40	10	0
1:46	3.7	39	10	30.79	50	99	-40	0	0
1:31	5.1	7	13	30.79	50	99	-40	0	0
1:16	5	47	10	30.79	50	99	-40	10	0
1:01	4	35	10	30.79	50	99	-40	10	0
0:46	4.4	1	9	30.79	50	99	-40	0	0
0:31	4.4	24	8	30.79	50	99	-40	0	0
0:16	3.9	15	12	30.79	50	99	-40	10	0
0:01	5	10	10	30.79	50	99	-40	10	0
Date:	11/25/99								
23:46	5.3	54	12	30.79	50	99	-40	10	0
23:31	3.3	45	9	30.79	50	99	-40	10	0
23:16	3.8	47	9	30.79	50	99	-40	10	0
23:01	3.8	1	9	30.79	50	99	-40	10	0
22:46	4.3	11	9	30.79	49	99	-40	0	0.03
22:31	4.5	15	9	30.79	49	99	-40	0	0.06
22:16	3.1	8	7	30.79	49	99	-40	10	0.01
22:01	4.6	28	9	30.79	49	99	-40	10	0
21:46	3	354	8	30.79	49	99	-40	10	0.06
21:31	4.6	3	10	30.79	49	99	-40	0	0.04
21:16	3.7	355	9	30.79	49	99	-40	10	0.04
21:01	4.4	40	9	30.79	49	99	-40	10	0
20:46	4	1	9	30.79	49	99	-40	0	0
20:31	4.4	46	9	30.79	49	99	-40	0	0.01
20:16	4.4	1	9	30.79	49	99	-40	10	0.01
20:01	4.8	3	10	30.79	48	99	-40	10	0.01
19:46	5.1	36	12	30.79	48	99	-40	0	0
19:31	5.5	10	9	30.79	48	99	-40	0	0
19:16	4.9	7	9	30.79	48	99	-40	0	0
19:01	5.7	340	13	30.79	48	99	-40	0	0
18:46	5	354	11	30.79	48	99	-40	10	0
18:31	5.4	349	10	30.79	48	99	-40	10	0

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18:16	5	355	12	30.79	48	99	-40	10	0
18:01	5.1	25	12	30.79	48	99	-40	10	0
17:46	5.7	13	10	30.79	48	99	-40	10	0
17:31	4.8	317	9	30.79	49	99	-40	10	0
17:16	3.9	4	10	30.79	49	99	-40	10	0
17:01	4.8	352	8	30.79	49	99	-40	10	0.02
16:46	3.9	334	9	30.79	48	99	-40	0	0.08
16:31	3.9	333	8	30.79	48	99	-40	10	0.07
16:16	4.2	352	8	30.79	48	99	-40	10	0.01
16:01	4.1	329	7	30.79	49	99	-40	10	0
15:46	5.1	322	9	30.79	48	99	-40	10	0.01
15:31	3.5	285	8	30.79	49	99	-40	0	0.05
15:16	3.4	49	8	30.79	48	99	-40	0	0.02
15:01	4.6	25	9	30.79	49	99	-40	10	0.02
14:46	3.2	31	7	30.79	49	99	-40	10	0.02
14:31	2.7	24	7	30.79	49	99	-40	10	0.02
14:16	3	36	6	30.79	49	99	-40	10	0.01
14:01	4	1	10	30.79	49	99	-40	10	0.03
13:46	4.1	24	10	30.79	49	99	-40	0	0.01
13:31	4.4	354	9	30.79	49	99	-40	0	0
13:16	5.9	6	13	30.79	49	99	-40	10	0
13:01	6.1	28	11	30.79	49	99	-40	0	0
12:46	6.4	4	17	30.79	49	99	-40	10	0
12:31	6.4	11	13	30.79	49	99	-40	10	0
12:16	5.9	355	11	30.79	49	99	-40	0	0
12:01	7.6	1	14	30.79	49	99	-40	10	0
11:46	5.7	333	13	30.79	48	99	-40	0	0
11:31	8.7	340	17	30.79	48	99	-40	10	0
11:16	8.3	333	16	30.79	48	99	-40	10	0
11:01	8.1	28	16	30.79	48	99	-40	10	0
10:46	8	45	16	30.79	48	99	-40	0	0
10:31	11.3	8	20	30.79	48	99	-40	0	0
10:16	10.2	334	20	30.79	48	99	-40	10	0
10:01	8.2	354	17	30.79	48	99	-40	10	0
9:46	9.7	341	20	30.79	48	99	-40	10	0
9:31	9.3	310	15	30.79	49	99	-40	10	0
9:16	9.2	291	15	30.79	49	99	-40	10	0
9:01	8.3	351	15	30.79	49	99	-40	0	0
8:46	8.3	330	18	30.79	49	99	-40	10	0
8:31	8.5	329	14	30.79	50	99	-40	10	0
8:16	8.3	299	18	30.79	50	99	-40	10	0
8:01	6.5	348	13	30.79	51	99	-40	10	0
7:46	8	342	17	30.79	51	99	-40	10	0
7:31	7.9	13	14	30.79	52	99	-40	10	0
7:16	8.1	6	13	30.79	53	99	-40	10	0
7:01	5.9	25	17	30.79	54	99	-40	10	0
6:46	1.1	285	3	30.79	55	99	-40	10	0.01
6:31	1.8	285	5	30.79	55	99	-40	10	0
6:16	1.1	203	6	30.79	55	99	-40	10	0.03
6:01	1.6	149	7	30.79	55	99	-40	10	0
5:46	1.3	158	8	30.79	55	99	-40	0	0
5:31	1.2	7	4	30.79	55	99	-40	0	0
5:16	1	157	4	30.79	55	99	-40	0	0
5:01	0.5	237	5	30.79	55	99	-40	10	0.03
4:46	3.6	219	10	30.79	54	99	-40	10	0.07
4:31	3	121	8	30.79	55	99	-40	10	0
4:16	0.3	160	2	30.79	55	99	-40	10	0
4:01	0.2	160	2	30.79	56	99	-40	10	0
3:46	2.3	160	6	30.79	56	99	-40	10	0
3:31	2.7	131	6	30.79	55	99	-40	0	0
3:16	2.1	170	4	30.79	57	99	-40	10	0

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3:01	0.2	249	2	30.79	58	99	-40	0	0
2:46	0.2	249	2	30.79	58	99	-40	0	0
2:31	0.7	249	5	30.79	58	93	-40	10	0
2:16	0.9	241	4	30.79	58	99	-40	0	0
2:01	1.3	242	5	30.79	58	99	-40	10	0
1:46	2.1	251	6	30.79	58	85	-40	10	0
1:31	1.3	226	4	30.79	57	99	-40	10	0
1:16	1.2	185	6	30.79	57	99	-40	10	0
1:01	1.2	168	5	30.79	57	99	-40	10	0
0:46	0.6	174	4	30.79	57	99	-40	10	0
0:31	1.9	192	5	30.79	57	99	-40	10	0
0:16	2.9	191	7	30.79	57	99	-40	0	0
0:01	2.3	224	8	30.79	58	99	-40	10	0
Date:	11/24/99								
23:46	1.9	184	5	30.79	58	99	-40	10	0
23:31	2.6	220	9	30.79	55	99	-40	0	0
23:16	2.9	187	7	30.79	55	99	-40	10	0
23:01	2.2	189	7	30.79	55	99	-40	0	0
22:46	1.7	178	7	30.79	55	99	-40	0	0
22:31	1.9	198	6	30.79	54	99	-40	10	0
22:16	2.2	189	6	30.79	54	99	-40	10	0
22:01	1.6	182	5	30.79	53	99	-40	0	0
21:46	3.3	177	7	30.79	52	99	-40	10	0
21:31	4.5	183	7	30.79	53	99	-40	10	0
21:16	3.4	159	8	30.79	54	99	-40	10	0
21:01	3.1	171	7	30.79	54	99	-40	10	0
20:46	1.2	177	4	30.79	55	99	-40	10	0
20:31	0.6	241	3	30.79	55	99	-40	10	0
20:16	2.6	241	7	30.79	55	99	-40	10	0
20:01	2.6	195	8	30.79	58	99	-40	0	0
19:46	2.2	260	9	30.79	58	99	-40	10	0
19:31	2.9	212	9	30.79	57	99	-40	10	0
19:16	1.9	242	7	30.79	57	99	-40	10	0
19:01	2	210	7	30.79	57	99	-40	10	0
18:46	1	198	8	30.79	58	99	-40	10	0
18:31	2.4	187	10	30.79	58	99	-40	10	0
18:16	5.2	185	8	30.79	58	99	-40	0	0
18:01	5.7	127	11	30.79	58	99	-40	0	0
17:46	3	129	9	30.79	58	99	-40	10	0
17:31	2.1	152	5	30.79	58	99	-40	10	0
17:16	1.2	164	3	30.79	55	99	-40	10	0
17:01	0.4	163	3	30.79	55	99	-40	0	0
16:46	1.6	163	5	30.79	55	99	-40	0	0
16:31	2.2	135	6	30.79	58	99	-40	10	0
16:16	2.6	134	6	30.79	58	99	-40	10	0
16:01	2.5	145	6	30.79	58	99	-40	10	0
15:46	3	167	7	30.79	55	99	-40	10	0
15:31	4.5	149	10	30.79	55	99	-40	0	0
15:16	3.7	132	8	30.79	55	99	-40	0	0
15:01	3	161	6	30.79	57	99	-40	0	0
14:46	1.8	168	99	30.79	57	99	-40	0	0
14:31	2.3	170	5	30.79	57	99	-40	10	0
14:16	2.3	161	99	30.79	57	99	-40	0	0
14:01	4.3	149	8	30.79	58	99	-40	10	0
13:46	4.5	143	7	30.79	58	99	-40	10	0
13:31	3.7	157	7	30.79	58	99	-40	0	0
13:16	3.6	180	7	30.79	57	99	-40	10	0
13:01	2.6	171	8	30.79	57	99	-40	10	0
12:46	2.6	163	7	30.79	57	99	-40	10	0
12:31	5.2	143	10	30.79	55	99	-40	10	0
12:16	3.6	143	7	30.79	55	99	-40	10	0

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12:01	5.4	163	11	30.79	55	99	-40	0	0
11:46	3.5	160	10	30.79	55	99	-40	0	0
11:31	4.9	167	10	30.79	55	99	-40	0	0
11:16	5.6	168	10	30.79	55	99	-40	10	0
11:01	4.7	164	9	30.79	55	99	-40	10	0
10:46	4	145	8	30.79	55	99	-40	10	0
10:31	3.5	166	7	30.79	55	99	-40	10	0
10:16	4.1	108	7	30.79	54	99	-40	0	0
10:01	4.1	145	8	30.79	54	99	-40	0	0
9:46	2.2	157	5	30.79	55	99	-40	0	0
9:31	4.2	148	7	30.79	54	99	-40	0	0
9:16	1	180	4	30.79	56	99	-40	10	0
9:01	1.4	213	6	30.79	55	99	-40	10	0
8:46	2	166	5	30.79	55	99	-40	10	0
8:31	1.6	180	4	30.79	54	99	-40	10	0
8:16	1.6	173	5	30.79	54	99	-40	0	0
8:01	1.7	173	4	30.79	53	99	-40	0	0
7:46	2.3	173	5	30.79	53	99	-40	0	0
7:31	2.3	160	5	30.79	53	99	-40	10	0
7:16	1.9	188	5	30.79	53	99	-40	10	0
7:01	2.5	191	5	30.79	54	99	-40	0	0
6:46	1.5	177	4	30.79	54	99	-40	10	0
6:31	1.2	181	4	30.79	54	99	-40	10	0
6:16	1.2	181	4	30.79	55	99	-40	0	0
6:01	1.1	181	4	30.79	55	99	-40	10	0
5:46	1.6	205	5	30.79	55	99	-40	0	0
5:31	1.1	189	4	30.79	55	99	-40	10	0
5:16	1	174	4	30.79	55	99	-40	10	0
5:01	0.9	174	7	30.79	55	99	-40	10	0
4:46	1.5	138	4	30.79	55	99	-40	0	0
4:31	0.5	65	3	30.79	55	99	-40	10	0
4:16	0.4	65	2	30.79	54	99	-40	0	0
4:01	0	64	0	30.79	54	99	-40	10	0
3:46	0.8	64	2	30.79	54	99	-40	0	0
3:31	0.7	64	2	30.79	54	99	-40	0	0
3:16	0.7	64	3	30.79	54	99	-40	0	0
3:01	1	63	3	30.79	54	99	-40	10	0
2:46	1.9	61	6	30.79	54	99	-40	10	0
2:31	2.1	70	7	30.79	54	99	-40	10	0
2:16	1.9	98	5	30.79	54	99	-40	10	0
2:01	2.3	107	7	30.79	55	99	-40	10	0
1:46	2.4	49	6	30.79	55	99	-40	10	0
1:31	1.8	74	4	30.79	55	99	-40	10	0
1:16	2	64	4	30.79	55	99	-40	0	0
1:01	2.1	65	4	30.79	55	99	-40	10	0
0:46	1.8	68	4	30.79	55	99	-40	10	0
0:31	1.3	127	3	30.79	55	99	-40	10	0
0:16	0.7	127	3	30.79	55	99	-40	10	0
0:01	0.2	127	2	30.79	55	99	-40	0	0
Date:	11/23/99								
23:46	0.3	127	2	30.79	55	99	-40	10	0
23:31	0.6	127	2	30.79	55	99	-40	0	0
23:16	0.6	127	2	30.79	55	99	-40	10	0
23:01	0.5	127	3	30.79	55	99	-40	0	0
22:46	1.2	127	4	30.79	55	99	-40	10	0
22:31	1	114	4	30.79	55	99	-40	10	0
22:16	1.4	57	3	30.79	55	99	-40	10	0
22:01	1.2	108	4	30.79	55	99	-40	10	0
21:46	2.3	110	6	30.79	55	99	-40	10	0
21:31	2.3	125	5	30.79	55	99	-40	0	0
21:16	1.2	121	6	30.79	55	99	-40	10	0

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21:01	0.9	148	3	30.79	55	99	-40	10	0
20:46	0.2	148	3	30.79	55	99	-40	10	0
20:31	1.5	148	5	30.79	55	99	-40	10	0
20:16	1.5	60	4	30.79	55	99	-40	0	0
20:01	1.1	58	4	30.79	55	99	-40	0	0
19:46	1.5	61	4	30.79	54	99	-40	10	0
19:31	2.1	53	5	30.79	55	99	-40	0	0
19:16	1.6	97	5	30.79	55	99	-40	10	0
19:01	1.9	122	5	30.79	55	99	-40	10	0
18:46	1.8	38	4	30.79	55	99	-40	10	0
18:31	1.5	153	3	30.79	55	99	-40	0	0
18:16	1	153	3	30.79	55	99	-40	0	0
18:01	1	153	3	30.79	55	99	-40	0	0
17:46	0.7	153	3	30.79	56	99	-40	10	0
17:31	1.3	153	2	30.79	56	99	-40	10	0
17:16	0.9	153	2	30.79	56	99	-40	0	0
17:01	1.1	153	3	30.79	57	99	-40	0	0
16:46	1	153	3	30.79	57	99	-40	10	0
16:31	0.3	153	2	30.79	57	99	-40	0	0
16:16	1.8	153	3	30.79	57	99	-40	0	0
16:01	1.8	153	4	30.79	57	99	-40	0	0
15:46	1.8	153	4	30.79	57	99	-40	10	0
15:31	3.5	153	6	30.79	57	99	-40	10	0
15:16	3.1	161	6	30.79	57	99	-40	10	0
15:01	3.1	157	5	30.79	58	99	-40	10	0
14:46	3.3	153	6	30.79	58	99	-40	10	0
14:31	1.5	143	4	30.79	59	99	-40	10	0
14:16	1.3	149	3	30.79	60	99	-40	10	0
14:01	2.4	148	5	30.79	60	99	-40	0	0
13:46	1.7	149	4	30.79	60	99	-40	0	0
13:31	1.2	149	3	30.79	59	99	-40	10	0
13:16	2.7	149	5	30.79	58	99	-40	0	0
13:01	1.6	136	4	30.79	60	99	-40	10	0
12:46	1.8	15	5	30.79	61	99	-40	10	0
12:31	2.7	331	7	30.79	60	99	-40	0	0
12:16	3.8	341	7	30.79	60	99	-40	10	0
12:01	2.8	298	5	30.79	60	99	-40	10	0
11:46	2.8	1	7	30.79	60	99	-40	10	0
11:31	4.4	7	7	30.79	59	99	-40	10	0
11:16	3.7	320	7	30.79	58	99	-40	10	0
11:01	3.1	327	5	30.79	58	99	-40	10	0
10:46	2.4	331	5	30.79	58	99	-40	0	0
10:31	1.8	61	3	30.79	57	99	-40	0	0
10:16	1.6	61	4	30.79	57	99	-40	0	0
10:01	1.4	61	4	30.79	56	99	-40	10	0
9:46	1.5	61	4	30.79	55	99	-40	0	0
9:31	2	64	5	30.79	55	99	-40	0	0
9:16	1.5	95	5	30.79	55	99	-40	10	0
9:01	1.4	65	3	30.79	55	99	-40	0	0
8:46	1.1	60	5	30.79	54	99	-40	10	0
8:31	1.4	82	4	30.79	54	99	-40	0	0
8:16	0.1	6	2	30.79	54	99	-40	10	0
8:01	0.6	6	3	30.79	53	99	-40	10	0
7:46	0.5	6	4	30.79	53	99	-40	10	0
7:31	2.1	1	5	30.79	53	99	-40	10	0
7:16	4.7	344	8	30.79	53	99	-40	0	0
7:01	3.6	344	7	30.79	53	99	-40	0	0
6:46	0	352	0	30.79	53	99	-40	0	0
6:31	0.5	4	4	30.79	53	99	-40	0	0
6:16	1.4	1	4	30.79	52	99	-40	0	0
6:01	1.2	19	3	30.79	52	99	-40	10	0

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5:46	0.8	21	3	30.79	52	99	-40	10	0
5:31	1.4	8	4	30.79	52	99	-40	0	0
5:16	1.7	1	4	30.79	52	99	-40	10	0
5:01	2	1	4	30.79	52	99	-40	10	0
4:46	1.5	33	4	30.79	52	99	-40	10	0
4:31	2.2	22	5	30.79	52	99	-40	10	0
4:16	2	28	5	30.79	52	99	-40	10	0
4:01	1.8	7	5	30.79	52	99	-40	10	0
3:46	2	6	4	30.79	52	99	-40	10	0
3:31	0.8	354	3	30.79	52	99	-40	10	0
3:16	0.8	354	3	30.79	52	99	-40	0	0
3:01	2.6	349	5	30.79	52	99	-40	10	0
2:46	3.1	335	5	30.79	52	99	-40	10	0
2:31	3.1	331	6	30.79	51	99	-40	10	0
2:16	1.7	354	4	30.79	51	99	-40	10	0
2:01	1.2	354	3	30.79	51	99	-40	0	0
1:46	1.6	355	3	30.79	52	99	-40	10	0
1:31	1.6	355	3	30.79	52	99	-40	10	0
1:16	0.7	355	3	30.79	52	99	-40	0	0
1:01	2	355	4	30.79	52	99	-40	10	0
0:46	1	355	3	30.79	52	99	-40	10	0
0:31	0.2	354	2	30.79	51	99	-40	0	0
0:16	0.6	355	2	30.79	52	99	-40	10	0
0:01	0.7	355	4	30.79	51	99	-40	0	0
Date:	11/22/99								
23:46	2.2	355	4	30.79	51	99	-40	10	0
23:31	2.3	4	5	30.79	52	99	-40	0	0
23:16	3	10	5	30.79	52	99	-40	10	0
23:01	2.3	8	5	30.79	52	99	-40	0	0
22:46	2.2	1	4	30.79	52	99	-40	10	0
22:31	1.9	1	4	30.79	52	99	-40	10	0
22:16	2.5	1	4	30.79	52	99	-40	10	0
22:01	1.7	25	4	30.79	52	99	-40	0	0
21:46	2.1	42	5	30.79	52	99	-40	0	0
21:31	1.6	1	4	30.79	52	99	-40	0	0
21:16	1.7	1	3	30.79	52	99	-40	0	0
21:01	2.1	1	4	30.79	52	99	-40	10	0
20:46	2	1	4	30.79	52	99	-40	0	0
20:31	1.4	1	3	30.79	52	99	-40	10	0
20:16	1.6	1	3	30.79	52	99	-40	10	0
20:01	2.2	17	5	30.79	52	99	-40	0	0
19:46	1.8	35	3	30.79	52	99	-40	0	0
19:31	1.8	33	5	30.79	52	99	-40	10	0
19:16	1.9	68	4	30.79	52	99	-40	10	0
19:01	1.9	50	5	30.79	52	99	-40	0	0
18:46	1.5	95	4	30.79	52	99	-40	0	0
18:31	2.5	67	6	30.79	52	99	-40	0	0
18:16	2.9	50	5	30.79	52	99	-40	10	0
18:01	2.1	50	6	30.79	52	99	-40	0	0
17:46	2.8	128	6	30.79	52	99	-40	10	0
17:31	2.6	64	6	30.79	52	99	-40	10	0
17:16	2.1	50	6	30.79	52	99	-40	0	0
17:01	2.8	77	6	30.79	52	99	-40	10	0
16:46	3.1	47	8	30.79	52	99	-40	10	0
16:31	2.8	81	8	30.79	53	99	-40	10	0
16:16	3.2	90	8	30.79	53	99	-40	10	0
16:01	3	70	8	30.79	54	99	-40	10	0
15:46	4.1	85	9	30.79	54	99	-40	10	0
15:31	3.1	84	7	30.79	54	99	-40	10	0
15:16	2.7	88	6	30.79	54	99	-40	10	0
15:01	2.7	47	7	30.79	54	99	-40	0	0

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West Islip, NY

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:start of data:									
Station: DZUSFASTENERS									
English Units									
Loging Period in minutes: 10									
Date and Time: 12/07/1999	14:13								
TIME	WS	WD	PK	BP	T1	RH1	T2	SR	RF
HH:MM	mph	deg	mph	in	F	%	F	W/m^2	in
Date:	12/7/99								
14:11	16	290	26	30.79	51	56	-40	0	0
14:01	15.7	291	28	30.79	51	55	-40	10	0
13:51	16.7	299	22	30.79	51	55	-40	10	0
13:41	16.9	285	26	30.79	51	56	-40	10	0
13:31	16.5	269	24	30.79	51	57	-40	10	0
13:21	16.2	277	22	30.79	51	57	-40	0	0
13:11	18.1	273	24	30.79	51	58	-40	10	0
13:01	16.9	269	24	30.79	51	57	-40	0	0
12:51	15.2	276	24	30.79	51	57	-40	0	0
12:41	13.4	294	28	30.79	51	58	-40	10	0
12:31	14.5	295	25	30.79	51	59	-40	0	0
12:21	16.2	305	24	30.79	51	59	-40	0	0
12:11	19.5	280	27	30.79	50	61	-40	0	0
12:01	20	288	27	30.79	49	61	-40	0	0
11:51	17	273	30	30.79	50	62	-40	10	0
11:41	18.1	310	33	30.79	50	62	-40	0	0
11:31	18.5	284	33	30.79	50	62	-40	10	0
11:21	16.7	283	28	30.79	49	62	-40	10	0
11:11	16.7	296	27	30.79	49	63	-40	10	0
11:01	15.5	295	24	30.79	49	64	-40	0	0
10:51	15.7	296	23	30.79	48	64	-40	0	0
10:41	14.8	267	24	30.79	48	65	-40	0	0
10:31	14.4	288	26	30.79	48	65	-40	10	0
10:21	15.7	280	28	30.79	48	65	-40	10	0
10:11	13.8	298	28	30.79	48	66	-40	0	0
10:01	12.9	316	22	30.79	48	66	-40	10	0
9:51	13.8	302	21	30.79	48	67	-40	10	0
9:41	14.7	292	20	30.79	48	66	-40	0	0
9:31	13.9	315	23	30.79	47	68	-40	0	0
9:21	12.4	280	23	30.79	47	68	-40	10	0
9:11	11.5	323	19	30.79	48	69	-40	0	0
9:01	12	341	18	30.79	48	71	-40	0	0
8:51	13.6	322	24	30.79	46	71	-40	0	0
8:41	12.9	288	26	30.79	46	72	-40	0	0
8:31	13.4	298	23	30.79	46	73	-40	10	0
8:21	13.3	298	22	30.79	46	75	-40	0	0
8:11	11.3	280	17	30.79	46	76	-40	10	0
8:01	12.5	301	22	30.79	46	76	-40	0	0
7:51	11.5	285	18	30.79	46	76	-40	10	0
7:41	12.1	284	20	30.79	46	76	-40	0	0
7:31	13	303	19	30.79	46	75	-40	0	0
7:21	12.9	283	20	30.79	46	76	-40	0	0
7:11	11.7	329	20	30.79	46	78	-40	10	0
7:01	11.2	274	19	30.79	46	77	-40	10	0
6:51	11.7	295	20	30.79	46	78	-40	0	0

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6:41	10.9	315	18	30.79	46	79	-40	0	0
6:31	12	315	19	30.79	46	80	-40	10	0
6:21	11.8	294	25	30.79	46	80	-40	0	0
6:11	12.5	313	27	30.79	46	83	-40	0	0
6:01	13.8	270	22	30.79	46	83	-40	10	0
5:51	13.6	322	24	30.79	46	85	-40	0	0
5:41	13.4	283	20	30.79	46	87	-40	10	0
5:31	12.1	276	20	30.79	46	88	-40	0	0
5:21	11.4	306	23	30.79	46	90	-40	0	0
5:11	11.4	320	22	30.79	46	91	-40	10	0
5:01	11.2	278	20	30.79	46	93	-40	10	0
4:51	12.5	292	25	30.79	46	92	-40	10	0
4:41	12.5	292	25	30.79	45	94	-40	0	0
4:31	13.2	281	20	30.79	45	94	-40	10	0
4:21	13.4	287	22	30.79	45	96	-40	0	0
4:11	12.1	303	21	30.79	45	96	-40	10	0
4:01	12.5	308	20	30.79	45	97	-40	10	0
3:51	12.5	281	18	30.79	46	98	-40	10	0
3:41	11.7	283	17	30.79	46	98	-40	0	0.01
3:31	10.9	294	20	30.79	46	98	-40	0	0.01
3:21	12	341	17	30.79	46	98	-40	0	0.01
3:11	14	348	22	30.79	46	99	-40	0	0.02
3:01	12.7	306	17	30.79	46	99	-40	10	0.03
2:51	14	310	21	30.79	47	99	-40	0	0.02
2:41	13.9	306	21	30.79	47	99	-40	0	0.01
2:31	14	310	24	30.79	47	99	-40	10	0.01
2:21	15.6	287	24	30.79	48	99	-40	10	0.01
2:11	14	302	27	30.79	48	99	-40	10	0.01
2:01	12.9	335	20	30.79	48	99	-40	0	0.01
1:51	12	287	19	30.79	49	99	-40	10	0
1:41	11.3	334	20	30.79	49	99	-40	10	0.01
1:31	12.1	320	21	30.79	49	99	-40	0	0
1:21	13.5	322	29	30.79	50	99	-40	0	0
1:11	12.7	277	24	30.79	51	99	-40	10	0
1:01	11.2	298	17	30.79	51	99	-40	0	0.01
0:51	9.5	305	16	30.79	52	99	-40	10	0.04
0:41	8.1	285	13	30.79	52	99	-40	0	0.04
0:31	9.8	316	16	30.79	52	99	-40	0	0.02
0:21	9.7	331	17	30.79	52	99	-40	10	0.01
0:11	10.6	299	19	30.79	52	99	-40	0	0.01
0:01	9.5	316	17	30.79	52	99	-40	0	0.01
Date:	12/6/99								
23:51	10	324	15	30.79	52	99	-40	10	0
23:41	9.3	320	16	30.79	52	99	-40	0	0
23:31	9.2	338	16	30.79	52	99	-40	0	0.01
23:21	9.5	305	13	30.79	52	99	-40	10	0.01
23:11	8.3	335	20	30.79	52	99	-40	0	0
23:01	8.4	331	16	30.79	52	99	-40	10	0.01
22:51	9.3	337	15	30.79	52	99	-40	10	0
22:41	9	1	13	30.79	52	99	-40	10	0
22:31	7.8	329	13	30.79	52	99	-40	10	0
22:21	6.4	310	12	30.79	52	99	-40	10	0.01
22:11	5.3	352	9	30.79	52	99	-40	10	0.02
22:01	5.3	288	7	30.79	52	99	-40	10	0.01
21:51	5.6	274	8	30.79	52	99	-40	10	0.01
21:41	6	292	9	30.79	52	99	-40	10	0
21:31	4.5	287	8	30.79	52	99	-40	10	0
21:21	3.5	287	5	30.79	52	99	-40	10	0

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21:11	2.1	276	6	30.79	52	99	-40	0	0
21:01	2.6	320	5	30.79	52	99	-40	0	0
20:51	4.4	322	7	30.79	53	99	-40	10	0
20:41	5.5	323	11	30.79	53	99	-40	0	0
20:31	4	329	6	30.79	54	99	-40	10	0
20:21	3.3	269	7	30.79	54	99	-40	10	0.01
20:11	0.9	267	5	30.79	54	99	-40	10	0
20:01	2.7	315	7	30.79	54	99	-40	0	0.03
19:51	4.9	319	10	30.79	55	99	-40	0	0.02
19:41	4.7	334	9	30.79	55	99	-40	10	0
19:31	5.9	299	9	30.79	55	99	-40	0	0
19:21	6	319	10	30.79	55	99	-40	10	0
19:11	5.5	280	10	30.79	55	99	-40	10	0
19:01	5.5	288	8	30.79	54	99	-40	0	0
18:51	6.1	266	9	30.79	54	99	-40	0	0
18:41	5	280	8	30.79	54	99	-40	10	0
18:31	3.3	308	7	30.79	54	99	-40	10	0
18:21	3	267	5	30.79	54	99	-40	10	0
18:11	3.1	276	5	30.79	54	99	-40	0	0
18:01	1.4	273	5	30.79	52	99	-40	10	0
17:51	1	214	3	30.79	53	99	-40	10	0
17:41	1.4	216	4	30.79	53	99	-40	10	0
17:31	0.8	291	2	30.79	54	99	-40	10	0
17:21	0.5	288	2	30.79	54	99	-40	10	0
17:11	0.3	283	1	30.79	54	99	-40	10	0
17:01	0.4	281	2	30.79	54	99	-40	0	0
16:51	1.2	274	1	30.79	54	99	-40	0	0
16:41	3.3	274	7	30.79	54	99	-40	0	0
16:31	1.7	258	6	30.79	54	99	-40	0	0
16:21	0.7	323	3	30.79	54	99	-40	0	0
16:11	2	323	4	30.79	54	99	-40	10	0
16:01	1.7	309	4	30.79	54	99	-40	10	0.01
15:51	2.9	302	5	30.79	54	99	-40	10	0.01
15:41	3.7	305	10	30.79	54	99	-40	10	0.01
15:31	3.8	252	8	30.79	54	99	-40	10	0.02
15:21	4.4	220	14	30.79	54	99	-40	10	0.01
15:11	4.5	245	11	30.79	54	99	-40	10	0.02
15:01	5.4	200	16	30.79	54	99	-40	0	0.02
14:51	5.3	196	17	30.79	54	99	-40	0	0.01
14:41	4.8	157	13	30.79	53	99	-40	0	0.01
14:31	4.3	148	12	30.79	53	99	-40	10	0.01
14:21	4	173	8	30.79	52	99	-40	10	0.01
14:11	2.8	166	7	30.79	53	99	-40	10	0.01
14:01	3.3	177	8	30.79	53	99	-40	0	0.01
13:51	4.5	156	10	30.79	53	99	-40	10	0
13:41	3.1	196	8	30.79	53	99	-40	10	0
13:31	4.1	188	10	30.79	53	99	-40	10	0
13:21	4.2	159	10	30.79	53	99	-40	10	0
13:11	3	187	8	30.79	53	99	-40	0	0
13:01	3.4	192	10	30.79	53	99	-40	10	0
12:51	4.3	178	9	30.79	53	99	-40	0	0
12:41	4.8	164	11	30.79	54	99	-40	0	0
12:31	3.6	116	13	30.79	54	99	-40	10	0
12:21	2.8	178	7	30.79	53	99	-40	10	0
12:11	2.1	152	9	30.79	53	99	-40	10	0
12:01	2.2	163	9	30.79	52	99	-40	10	0.01
11:51	3	203	9	30.79	52	99	-40	10	0.02
11:41	3.5	178	10	30.79	53	99	-40	10	0.02

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11:31	3.1	202	10	30.79	54	99	-40	10	0.02
11:21	3.3	170	8	30.79	54	99	-40	10	0
11:11	3.7	189	8	30.79	54	99	-40	10	0
11:01	3.8	193	10	30.79	54	99	-40	10	0
10:51	2.9	188	9	30.79	54	99	-40	10	0
10:41	2.9	181	9	30.79	54	99	-40	10	0
10:31	2.5	202	10	30.79	54	99	-40	10	0
10:21	2.3	195	7	30.79	54	99	-40	10	0
10:11	2.8	188	7	30.79	54	99	-40	0	0
10:01	3.3	219	9	30.79	54	99	-40	10	0
9:51	2.7	209	8	30.79	54	99	-40	0	0
9:41	3.1	159	8	30.79	54	99	-40	10	0
9:31	2.5	184	9	30.79	54	99	-40	10	0
9:21	2.3	193	7	30.79	54	99	-40	0	0
9:11	3.1	189	9	30.79	54	99	-40	0	0.01
9:01	3.5	216	8	30.79	54	99	-40	10	0.01
8:51	3	198	7	30.79	54	99	-40	10	0.02
8:41	3	189	8	30.79	54	99	-40	0	0.01
8:31	3.1	189	11	30.79	54	99	-40	10	0.01
8:21	2.7	195	9	30.79	54	99	-40	10	0
8:11	2.6	221	10	30.79	54	96	-40	0	0
8:01	3.3	238	10	30.79	54	95	-40	10	0
7:51	3.7	217	9	30.79	54	94	-40	0	0
7:41	3.6	227	13	30.79	54	93	-40	10	0
7:31	3.6	178	14	30.79	54	93	-40	10	0
7:21	4	187	11	30.79	54	93	-40	10	0
7:11	3.8	184	12	30.79	53	93	-40	0	0
7:01	3.1	200	12	30.79	53	92	-40	10	0
6:51	3.7	199	11	30.79	53	91	-40	0	0
6:41	4.9	191	12	30.79	53	91	-40	10	0
6:31	4	182	11	30.79	53	90	-40	0	0
6:21	3.9	202	10	30.79	53	91	-40	0	0
6:11	2.5	226	12	30.79	53	89	-40	0	0
6:01	2.9	230	9	30.79	53	90	-40	10	0
5:51	2.6	224	8	30.79	53	90	-40	10	0
5:41	1.9	241	10	30.79	53	89	-40	10	0
5:31	2.6	203	8	30.79	52	88	-40	0	0
5:21	3.6	209	8	30.79	52	88	-40	10	0
5:11	3.5	150	9	30.79	53	87	-40	10	0
5:01	3.1	178	8	30.79	53	87	-40	10	0
4:51	3.5	185	11	30.79	53	86	-40	10	0
4:41	3.6	198	11	30.79	53	87	-40	10	0
4:31	4.4	189	12	30.79	52	87	-40	0	0
4:21	3.1	202	9	30.79	52	87	-40	0	0
4:11	2.1	192	10	30.79	52	86	-40	0	0
4:01	2.4	210	8	30.79	52	86	-40	0	0
3:51	1.9	220	6	30.79	52	86	-40	10	0
3:41	1.5	239	7	30.79	52	86	-40	0	0
3:31	1.4	248	7	30.79	52	85	-40	0	0
3:21	2.5	224	8	30.79	52	85	-40	10	0
3:11	2.8	216	9	30.79	52	86	-40	10	0
3:01	4.6	213	14	30.79	52	85	-40	10	0
2:51	4.9	184	12	30.79	53	85	-40	0	0
2:41	4.8	163	14	30.79	53	85	-40	0	0
2:31	4.6	207	15	30.79	53	85	-40	10	0
2:21	6.5	212	14	30.79	53	85	-40	0	0
2:11	7.4	170	15	30.79	53	86	-40	10	0
2:01	6.1	191	14	30.79	53	85	-40	10	0

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1:51	4.9	195	13	30.79	53	86	-40	10	0
1:41	4.6	189	14	30.79	52	87	-40	10	0
1:31	3.4	195	15	30.79	52	87	-40	0	0
1:21	4.9	185	15	30.79	52	86	-40	10	0
1:11	6.1	178	15	30.79	52	86	-40	10	0
1:01	6.1	166	16	30.79	52	86	-40	0	0
0:51	4.7	224	15	30.79	52	86	-40	10	0
0:41	6.8	210	17	30.79	52	86	-40	0	0
0:31	6	187	19	30.79	52	87	-40	0	0
0:21	5.5	209	16	30.79	52	86	-40	0	0
0:11	6.2	182	17	30.79	52	86	-40	10	0
0:01	6.5	210	18	30.79	52	85	-40	10	0
Date:	12/5/99								
23:51	5.5	192	18	30.79	52	86	-40	10	0
23:41	4.6	182	18	30.79	52	87	-40	10	0
23:31	5.1	134	14	30.79	52	86	-40	10	0
23:21	6.5	205	14	30.79	52	87	-40	0	0
23:11	6.5	232	16	30.79	52	86	-40	10	0
23:01	5.4	189	16	30.79	51	87	-40	0	0
22:51	4.7	178	15	30.79	51	86	-40	0	0
22:41	4.1	192	13	30.79	51	88	-40	0	0
22:31	4	149	13	30.79	51	87	-40	0	0
22:21	4.1	166	12	30.79	51	88	-40	0	0
22:11	4.3	195	14	30.79	51	88	-40	10	0
22:01	4.5	191	13	30.79	51	88	-40	0	0
21:51	4.4	188	13	30.79	51	88	-40	0	0
21:41	4.5	173	13	30.79	51	88	-40	0	0
21:31	3.8	220	14	30.79	51	88	-40	10	0
21:21	3.5	170	14	30.79	51	88	-40	0	0
21:11	3.8	203	13	30.79	51	88	-40	0	0
21:01	4.9	213	11	30.79	51	89	-40	0	0
20:51	5.1	199	11	30.79	51	88	-40	10	0
20:41	4.6	188	14	30.79	50	88	-40	10	0
20:31	4	177	11	30.79	50	87	-40	0	0
20:21	4.6	159	12	30.79	51	87	-40	10	0
20:11	4.7	224	13	30.79	51	88	-40	10	0
20:01	4.3	196	12	30.79	51	88	-40	10	0
19:51	5.1	248	11	30.79	51	88	-40	10	0
19:41	5	161	11	30.79	51	87	-40	0	0
19:31	5.3	166	14	30.79	52	87	-40	10	0
19:21	6.5	157	14	30.79	52	87	-40	0	0
19:11	6.4	161	14	30.79	52	87	-40	0	0
19:01	6.8	138	11	30.79	52	87	-40	10	0
18:51	7.2	153	14	30.79	53	87	-40	0	0
18:41	7.1	159	14	30.79	53	87	-40	0	0
18:31	7.5	153	15	30.79	53	87	-40	0	0
18:21	8.7	143	16	30.79	53	87	-40	0	0
18:11	9.9	146	19	30.79	53	87	-40	0	0
18:01	6.8	148	18	30.79	53	88	-40	10	0
17:51	7.4	166	18	30.79	53	88	-40	0	0
17:41	9.3	161	17	30.79	53	85	-40	10	0
17:31	8.8	156	17	30.79	53	85	-40	10	0
17:21	6	170	14	30.79	53	84	-40	0	0
17:11	7.4	146	16	30.79	53	84	-40	10	0
17:01	6.2	125	15	30.79	53	84	-40	0	0
16:51	4.8	167	12	30.79	52	83	-40	0	0
16:41	2.8	139	9	30.79	52	81	-40	0	0
16:31	3	138	10	30.79	53	81	-40	0	0

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16:21	3.4	136	9	30.79	53	80	-40	10	0
16:11	3	129	10	30.79	54	78	-40	10	0
16:01	2.9	99	10	30.79	54	77	-40	10	0
15:51	3.7	139	10	30.79	55	77	-40	0	0
15:41	3.9	141	9	30.79	55	76	-40	10	0
15:31	4.4	157	10	30.79	55	75	-40	0	0
15:21	5.4	163	12	30.79	56	75	-40	0	0
15:11	4.5	131	12	30.79	56	74	-40	10	0
15:01	5	138	12	30.79	57	73	-40	10	0
14:51	5.2	125	9	30.79	57	73	-40	0	0
14:41	7.5	164	13	30.79	57	73	-40	0	0
14:31	7	160	13	30.79	57	73	-40	10	0
14:21	7.6	160	12	30.79	57	74	-40	0	0
14:11	6	184	13	30.79	57	74	-40	10	0
14:01	6	150	13	30.79	57	74	-40	10	0
13:51	6.7	173	13	30.79	57	73	-40	10	0
13:41	6	143	14	30.79	57	74	-40	10	0
13:31	6	191	11	30.79	57	74	-40	10	0
13:21	7.1	164	14	30.79	57	74	-40	10	0
13:11	7.3	166	12	30.79	57	73	-40	10	0
13:01	5.6	182	12	30.79	58	73	-40	10	0
12:51	6.5	167	11	30.79	58	73	-40	10	0
12:41	6.6	166	13	30.79	58	73	-40	10	0
12:31	4.4	181	8	30.79	58	72	-40	0	0
12:21	4.6	174	8	30.79	59	72	-40	10	0
12:11	5.5	155	11	30.79	59	73	-40	10	0
12:01	4.3	200	10	30.79	60	74	-40	10	0
11:51	4.3	171	11	30.79	60	75	-40	10	0
11:41	4.3	159	10	30.79	59	76	-40	0	0
11:31	3.8	150	10	30.79	59	77	-40	10	0
11:21	2.5	157	7	30.79	60	78	-40	0	0
11:11	2.4	199	9	30.79	59	81	-40	0	0
11:01	3.6	163	8	30.79	58	84	-40	0	0
10:51	4.3	160	7	30.79	57	86	-40	10	0
10:41	4.8	178	9	30.79	57	88	-40	10	0
10:31	5.5	166	8	30.79	55	89	-40	10	0
10:21	4.8	159	8	30.79	55	90	-40	10	0
10:11	4.3	174	8	30.79	55	92	-40	0	0
10:01	3.8	170	8	30.79	54	94	-40	10	0
9:51	3.6	157	7	30.79	53	94	-40	0	0
9:41	4.5	166	8	30.79	52	95	-40	0	0
9:31	3.3	159	8	30.79	52	95	-40	10	0
9:21	2.7	170	6	30.79	52	97	-40	10	0
9:11	2	178	5	30.79	51	99	-40	0	0
9:01	1	193	6	30.79	50	99	-40	0	0
8:51	1.4	207	4	30.79	48	99	-40	10	0
8:41	1.1	256	3	30.79	46	99	-40	0	0
8:31	0	259	2	30.79	44	99	-40	0	0
8:21	0	259	0	30.79	42	97	-40	0	0
8:11	0	259	0	30.79	42	95	-40	10	0
8:01	0	259	0	30.79	42	97	-40	10	0
7:51	0	259	0	30.79	40	97	-40	0	0
7:41	0	259	0	30.79	40	96	-40	0	0
7:31	0	259	0	30.79	40	95	-40	0	0
7:21	0	259	0	30.79	40	94	-40	0	0
7:11	0.3	259	1	30.79	40	95	-40	0	0
7:01	0.2	259	1	30.79	40	96	-40	0	0
6:51	0	259	0	30.79	40	94	-40	0	0

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6:41	0	259	0	30.79	40	94	-40	0	0
6:31	0	259	0	30.79	40	94	-40	0	0
6:21	0.6	259	1	30.79	40	94	-40	0	0
6:11	0.7	259	2	30.79	40	93	-40	0	0
6:01	0	259	0	30.79	40	93	-40	0	0
5:51	0	259	0	30.79	40	94	-40	0	0
5:41	0	259	0	30.79	40	92	-40	10	0
5:31	0	259	0	30.79	40	92	-40	0	0
5:21	0	259	0	30.79	41	93	-40	10	0
5:11	0	259	0	30.79	41	92	-40	0	0
5:01	0	259	0	30.79	41	92	-40	0	0
4:51	0	259	0	30.79	42	92	-40	0	0
4:41	0.4	259	2	30.79	42	92	-40	10	0
4:31	1.2	258	2	30.79	42	90	-40	0	0
4:21	0.9	259	2	30.79	42	90	-40	10	0
4:11	0.2	259	2	30.79	42	90	-40	10	0
4:01	0	259	0	30.79	42	91	-40	10	0
3:51	0	259	0	30.79	42	90	-40	0	0
3:41	0.2	259	2	30.79	42	90	-40	0	0
3:31	0	259	2	30.79	42	89	-40	0	0
3:21	0	266	0	30.79	42	89	-40	0	0
3:11	0	266	0	30.79	42	88	-40	10	0
3:01	0	266	0	30.79	42	87	-40	10	0
2:51	0	266	0	30.79	43	87	-40	10	0
2:41	0	266	0	30.79	43	86	-40	10	0
2:31	0	266	0	30.79	44	85	-40	0	0
2:21	0	266	0	30.79	45	86	-40	0	0
2:11	0	266	0	30.79	45	85	-40	0	0
2:01	0	266	1	30.79	45	84	-40	0	0
1:51	0.1	266	1	30.79	45	84	-40	0	0
1:41	0.8	266	2	30.79	46	84	-40	0	0
1:31	1.8	266	3	30.79	46	83	-40	10	0
1:21	2.6	267	4	30.79	47	83	-40	10	0
1:11	2.5	267	4	30.79	48	83	-40	0	0
1:01	2.4	267	4	30.79	47	83	-40	10	0
0:51	2	267	4	30.79	47	82	-40	10	0
0:41	1.6	262	3	30.79	47	83	-40	0	0
0:31	1.4	263	4	30.79	46	82	-40	10	0
0:21	0.5	256	2	30.79	47	81	-40	0	0
0:11	0.9	262	3	30.79	48	81	-40	10	0
0:01	0.5	266	3	30.79	48	80	-40	10	0
Date:	12/4/99								
23:51	1.3	269	4	30.79	49	81	-40	0	0
23:41	1.8	266	4	30.79	49	80	-40	10	0
23:31	1.3	269	4	30.79	49	82	-40	10	0
23:21	0.3	284	2	30.79	48	81	-40	0	0
23:11	0.3	294	1	30.79	48	80	-40	0	0
23:01	0	256	0	30.79	48	81	-40	10	0
22:51	0.1	255	2	30.79	48	80	-40	0	0
22:41	0.1	256	2	30.79	49	80	-40	10	0
22:31	0.6	256	3	30.79	49	80	-40	10	0
22:21	0.3	256	3	30.79	48	82	-40	0	0
22:11	0	256	0	30.79	47	80	-40	10	0
22:01	0	256	1	30.79	46	80	-40	10	0
21:51	0.1	256	2	30.79	46	78	-40	10	0
21:41	0.7	255	4	30.79	46	77	-40	10	0
21:31	0.7	258	3	30.79	47	77	-40	10	0
21:21	0.5	317	2	30.79	48	75	-40	0	0

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21:11	0.8	315	2	30.79	49	74	-40	10	0
21:01	0.5	288	2	30.79	50	74	-40	10	0
20:51	0	258	1	30.79	51	72	-40	10	0
20:41	0.6	256	1	30.79	52	71	-40	10	0
20:31	2.4	256	5	30.79	53	71	-40	10	0
20:21	3.1	256	5	30.79	53	70	-40	10	0
20:11	3	255	6	30.79	54	69	-40	0	0
20:01	4	259	7	30.79	54	69	-40	10	0
19:51	3.7	263	6	30.79	55	69	-40	10	0
19:41	4.3	256	8	30.79	55	68	-40	0	0
19:31	4.3	260	9	30.79	55	67	-40	10	0
19:21	6.1	255	11	30.79	55	67	-40	10	0
19:11	8.1	276	11	30.79	55	67	-40	10	0
19:01	8	274	15	30.79	55	68	-40	0	0
18:51	6.1	264	10	30.79	55	69	-40	10	0
18:41	6.8	273	10	30.79	55	69	-40	0	0
18:31	5.9	256	12	30.79	55	68	-40	10	0
18:21	5.7	266	8	30.79	55	67	-40	10	0
18:11	5.9	260	10	30.79	55	68	-40	0	0
18:01	4.3	263	9	30.79	56	66	-40	10	0
17:51	3.3	259	6	30.79	56	66	-40	0	0
17:41	3.3	253	8	30.79	56	65	-40	0	0
17:31	4.7	255	9	30.79	57	64	-40	0	0
17:21	6.5	256	11	30.79	57	64	-40	10	0
17:11	6.4	258	11	30.79	57	63	-40	10	0
17:01	7.3	245	14	30.79	58	63	-40	10	0
16:51	7.7	255	13	30.79	58	62	-40	10	0
16:41	6.6	253	15	30.79	58	62	-40	0	0
16:31	7.1	259	15	30.79	58	62	-40	0	0
16:21	7.3	273	14	30.79	58	61	-40	10	0
16:11	9	263	17	30.79	59	61	-40	10	0
16:01	7.2	270	16	30.79	60	60	-40	10	0
15:51	4.5	246	10	30.79	60	61	-40	10	0
15:41	4.8	244	10	30.79	60	60	-40	0	0
15:31	5.6	256	10	30.79	60	60	-40	10	0
15:21	7.6	256	14	30.79	60	59	-40	10	0
15:11	6.6	244	12	30.79	60	60	-40	10	0
15:01	9	267	15	30.79	60	59	-40	10	0
14:51	10.1	280	16	30.79	60	58	-40	10	0
14:41	10.6	270	15	30.79	60	58	-40	0	0
14:31	9	263	15	30.79	60	59	-40	0	0
14:21	8.6	287	12	30.79	60	59	-40	10	0
14:11	12.5	263	19	30.79	60	60	-40	0	0
14:01	12.7	271	20	30.79	60	60	-40	0	0
13:51	12.8	270	21	30.79	59	61	-40	10	0
13:41	14.2	270	21	30.79	59	61	-40	0	0
13:31	13.6	285	21	30.79	58	62	-40	10	0
13:21	12.3	266	24	30.79	58	62	-40	0	0
13:11	13.9	266	22	30.79	58	62	-40	0	0
13:01	14.3	253	25	30.79	58	61	-40	10	0
12:51	11.4	267	25	30.79	58	61	-40	0	0
12:41	11.7	249	22	30.79	58	62	-40	10	0
12:31	11.8	255	18	30.79	58	61	-40	10	0
12:21	10.8	238	19	30.79	58	62	-40	10	0
12:11	8.6	274	16	30.79	58	62	-40	0	0
12:01	9.4	239	15	30.79	57	63	-40	0	0
11:51	9.6	273	18	30.79	57	63	-40	10	0
11:41	5.4	271	17	30.79	57	65	-40	0	0

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11:31	6.6	263	15	30.79	57	67	-40	0	0
11:21	8.2	253	15	30.79	55	68	-40	10	0
11:11	8.7	270	15	30.79	54	69	-40	0	0
11:01	8.6	242	15	30.79	54	72	-40	0	0
10:51	9.8	260	16	30.79	54	72	-40	10	0
10:41	9.9	255	19	30.79	52	74	-40	10	0
10:31	8	256	13	30.79	52	76	-40	0	0
10:21	6.4	258	13	30.79	51	77	-40	10	0
10:11	6.5	238	11	30.79	50	77	-40	0	0
10:01	5.5	260	12	30.79	49	78	-40	0	0
9:51	3.7	249	10	30.79	48	78	-40	10	0
9:41	2.4	255	8	30.79	49	78	-40	0	0
9:31	2.5	241	8	30.79	48	78	-40	10	0
9:21	4.4	252	8	30.79	46	79	-40	0	0
9:11	3.2	248	12	30.79	45	78	-40	10	0
9:01	1.3	253	6	30.79	45	76	-40	0	0
8:51	1.2	192	4	30.79	46	74	-40	10	0.01
8:41	2.8	192	6	30.79	46	73	-40	10	0.01
8:31	3.6	214	9	30.79	49	70	-40	0	0.01
8:21	3.4	242	11	30.79	49	72	-40	10	0
8:11	6.1	216	23	30.79	49	73	-40	0	0
8:01	4.1	264	12	30.79	49	77	-40	10	0
7:51	2.5	226	7	30.79	49	79	-40	0	0
7:41	2.7	206	9	30.79	49	80	-40	0	0
7:31	1.4	214	7	30.79	48	80	-40	0	0
7:21	1.3	237	5	30.79	48	80	-40	10	0
7:11	1.9	198	7	30.79	48	81	-40	10	0
7:01	2.2	224	6	30.79	48	81	-40	10	0
6:51	2.6	180	7	30.79	47	81	-40	0	0
6:41	4	189	10	30.79	47	81	-40	10	0
6:31	3.7	159	9	30.79	46	82	-40	0	0
6:21	2	210	7	30.79	45	82	-40	10	0
6:11	1.5	219	6	30.79	45	82	-40	0	0
6:01	1.7	202	5	30.79	45	81	-40	0	0
5:51	1.3	188	4	30.79	45	80	-40	10	0
5:41	1	188	4	30.79	45	80	-40	0	0
5:31	2.2	185	4	30.79	45	80	-40	10	0
5:21	3.2	184	7	30.79	46	79	-40	10	0
5:11	2.2	182	6	30.79	46	80	-40	0	0
5:01	1.1	206	5	30.79	46	80	-40	10	0
4:51	0.5	203	2	30.79	45	79	-40	0	0
4:41	0.3	203	3	30.79	45	80	-40	10	0
4:31	0.6	203	4	30.79	45	79	-40	0	0
4:21	0.6	203	5	30.79	45	79	-40	0	0
4:11	0.9	214	2	30.79	45	78	-40	0	0
4:01	0.7	216	4	30.79	45	79	-40	10	0
3:51	0.3	214	3	30.79	45	78	-40	0	0
3:41	0.6	219	3	30.79	44	78	-40	10	0
3:31	0.8	213	5	30.79	44	78	-40	10	0
3:21	0.7	210	4	30.79	44	77	-40	10	0
3:11	0.3	203	4	30.79	44	77	-40	10	0
3:01	0.3	209	2	30.79	44	75	-40	0	0
2:51	1.1	219	4	30.79	44	74	-40	0	0
2:41	0.9	187	4	30.79	45	73	-40	0	0
2:31	0.2	192	5	30.79	45	73	-40	0	0
2:21	0	195	4	30.79	45	71	-40	0	0
2:11	0	177	4	30.79	45	71	-40	0	0
2:01	0	203	4	30.79	45	69	-40	0	0

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1:51	0	209	1	30.79	45	69	-40	10	0
1:41	0	210	0	30.79	46	69	-40	0	0
1:31	0	221	0	30.79	46	69	-40	0	0
1:21	0	226	3	30.79	46	70	-40	10	0
1:11	0	242	2	30.79	46	70	-40	10	0
1:01	0	251	4	30.79	46	71	-40	0	0
0:51	0.1	235	3	30.79	46	72	-40	0	0
0:41	0.3	228	2	30.79	46	70	-40	10	0
0:31	0.3	199	4	30.79	46	70	-40	10	0
0:21	0.2	199	4	30.79	46	68	-40	0	0
0:11	0.3	192	4	30.79	47	66	-40	0	0
0:01	0.4	200	3	30.79	47	64	-40	0	0
Date:	12/3/99								
23:51	0.9	200	4	30.79	48	62	-40	10	0
23:41	1.3	198	4	30.79	49	61	-40	10	0
23:31	1.4	202	5	30.79	49	60	-40	10	0
23:21	1.7	221	4	30.79	49	59	-40	10	0
23:11	1.9	227	5	30.79	49	58	-40	10	0
23:01	1.5	228	6	30.79	50	57	-40	10	0
22:51	1.3	228	7	30.79	50	57	-40	0	0
22:41	1	226	4	30.79	49	57	-40	0	0
22:31	1.1	209	6	30.79	50	57	-40	0	0
22:21	1.2	207	5	30.79	50	58	-40	10	0
22:11	1.3	203	5	30.79	50	58	-40	10	0
22:01	1.5	209	5	30.79	50	57	-40	0	0
21:51	1.8	206	7	30.79	50	57	-40	0	0
21:41	1.1	192	6	30.79	51	57	-40	10	0
21:31	1.1	216	6	30.79	51	56	-40	10	0
21:21	2	226	7	30.79	51	58	-40	10	0
21:11	1.9	228	7	30.79	51	59	-40	10	0
21:01	2.3	209	6	30.79	51	60	-40	10	0
20:51	1.7	220	5	30.79	51	58	-40	10	0
20:41	2.3	226	8	30.79	51	58	-40	10	0
20:31	1.6	231	8	30.79	51	59	-40	0	0
20:21	1.7	219	7	30.79	51	59	-40	0	0
20:11	1.2	200	6	30.79	50	58	-40	10	0
20:01	0.7	226	4	30.79	49	60	-40	10	0
19:51	0.2	238	3	30.79	49	61	-40	0	0
19:41	0.3	230	4	30.79	48	62	-40	10	0
19:31	0.2	202	1	30.79	47	65	-40	0	0
19:21	1	196	4	30.79	46	66	-40	0	0
19:11	0	193	2	30.79	46	65	-40	0	0
19:01	0.3	193	3	30.79	46	64	-40	10	0
18:51	0	193	0	30.79	47	63	-40	10	0
18:41	0	193	0	30.79	47	62	-40	10	0
18:31	0	193	0	30.79	47	62	-40	10	0
18:21	0	193	0	30.79	47	62	-40	10	0
18:11	0	193	0	30.79	47	62	-40	0	0
18:01	0	193	0	30.79	48	61	-40	0	0
17:51	0	193	0	30.79	48	61	-40	0	0
17:41	0	193	0	30.79	48	59	-40	10	0
17:31	0.7	193	4	30.79	48	58	-40	10	0
17:21	1.7	193	4	30.79	49	57	-40	10	0
17:11	2.1	193	6	30.79	49	56	-40	0	0
17:01	1.2	219	5	30.79	49	56	-40	10	0
16:51	1.5	219	5	30.79	49	56	-40	10	0
16:41	2.4	252	6	30.79	49	56	-40	0	0
16:31	2.8	242	8	30.79	49	56	-40	10	0

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16:21	2.5	212	9	30.79	49	53	-40	0	0
16:11	2.7	234	5	30.79	49	52	-40	10	0
16:01	2.9	242	8	30.79	49	53	-40	10	0
15:51	2	223	6	30.79	49	55	-40	0	0
15:41	2.1	207	8	30.79	49	55	-40	0	0
15:31	3.1	207	9	30.79	49	54	-40	10	0
15:21	2.2	203	7	30.79	49	53	-40	0	0
15:11	2.4	214	9	30.79	50	52	-40	10	0
15:01	2.8	187	9	30.79	51	52	-40	10	0
14:51	2.2	237	9	30.79	52	51	-40	10	0
14:41	1.8	198	8	30.79	52	51	-40	0	0
14:31	2.1	189	7	30.79	52	51	-40	0	0
14:21	3.4	185	10	30.79	52	54	-40	0	0
14:11	3.7	195	10	30.79	52	51	-40	0	0
14:01	2.5	182	8	30.79	54	46	-40	0	0
13:51	3.7	195	8	30.79	54	44	-40	0	0
13:41	4.2	184	10	30.79	55	43	-40	10	0
13:31	2.2	187	7	30.79	55	44	-40	0	0
13:21	2	255	6	30.79	55	35	-40	10	0
13:11	4.4	256	11	30.79	54	34	-40	10	0
13:01	9.1	258	16	30.79	54	35	-40	10	0
12:51	8.7	284	14	30.79	55	35	-40	10	0
12:41	5.9	264	13	30.79	55	36	-40	10	0
12:31	1.2	230	10	30.79	55	40	-40	10	0
12:21	0.6	206	6	30.79	54	46	-40	10	0
12:11	0.7	182	5	30.79	51	47	-40	0	0
12:01	0.7	184	5	30.79	51	47	-40	0	0
11:51	0	185	4	30.79	50	49	-40	10	0
11:41	0.5	159	4	30.79	49	50	-40	10	0
11:31	0	159	4	30.79	49	48	-40	10	0
11:21	0	159	0	30.79	48	49	-40	0	0
11:11	0	159	2	30.79	48	48	-40	10	0
11:01	0	159	3	30.79	48	49	-40	10	0
10:51	0.4	161	1	30.79	48	48	-40	0	0
10:41	1	189	6	30.79	48	49	-40	10	0
10:31	0.7	182	6	30.79	48	49	-40	10	0
10:21	0.6	256	4	30.79	49	48	-40	0	0
10:11	1	264	4	30.79	47	52	-40	0	0
10:01	1.7	287	4	30.79	45	53	-40	0	0
9:51	3.1	271	6	30.79	44	54	-40	10	0
9:41	3.5	270	7	30.79	43	56	-40	10	0
9:31	3	263	5	30.79	43	58	-40	0	0
9:21	3.6	262	6	30.79	42	61	-40	10	0
9:11	3	262	6	30.79	40	62	-40	0	0
9:01	2	266	3	30.79	39	63	-40	0	0
8:51	2.3	264	5	30.79	38	65	-40	10	0
8:41	2.9	274	4	30.79	37	66	-40	10	0
8:31	4.1	284	7	30.79	37	66	-40	10	0
8:21	4.1	278	6	30.79	37	68	-40	0	0
8:11	3.8	287	7	30.79	36	69	-40	10	0
8:01	1.9	285	4	30.79	35	72	-40	10	0
7:51	0.9	284	4	30.79	34	72	-40	0	0
7:41	0.1	278	2	30.79	33	72	-40	0	0
7:31	0	278	0	30.79	31	74	-40	0	0
7:21	0	283	0	30.79	31	73	-40	10	0
7:11	0	284	0	30.79	31	72	-40	0	0
7:01	0	284	0	30.79	31	72	-40	0	0
6:51	0	284	2	30.79	31	72	-40	0	0

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6:41	0	284	0	30.79	32	71	-40	0	0
6:31	0	284	0	30.79	31	71	-40	0	0
6:21	0	284	0	30.79	31	70	-40	0	0
6:11	0	284	0	30.79	32	69	-40	0	0
6:01	0	284	0	30.79	32	69	-40	10	0
5:51	0	284	0	30.79	32	69	-40	0	0
5:41	0	284	0	30.79	33	69	-40	0	0
5:31	0	284	0	30.79	33	69	-40	0	0
5:21	0	284	0	30.79	33	68	-40	0	0
5:11	0	284	0	30.79	33	68	-40	10	0
5:01	0	284	0	30.79	33	68	-40	10	0
4:51	0	284	0	30.79	32	68	-40	0	0
4:41	0	284	0	30.79	33	67	-40	0	0
4:31	0	284	0	30.79	33	68	-40	0	0
4:21	0	284	0	30.79	33	68	-40	0	0
4:11	0.6	284	2	30.79	34	64	-40	10	0
4:01	1.9	284	3	30.79	34	65	-40	10	0
3:51	2	284	3	30.79	34	64	-40	0	0
3:41	0.6	284	3	30.79	34	65	-40	0	0
3:31	0	284	0	30.79	34	65	-40	0	0
3:21	0	284	0	30.79	34	66	-40	0	0
3:11	0.3	284	0	30.79	34	67	-40	0	0
3:01	0.5	284	2	30.79	34	69	-40	0	0
2:51	0.5	284	2	30.79	33	70	-40	0	0
2:41	0.5	284	3	30.79	33	70	-40	0	0
2:31	0	299	0	30.79	32	70	-40	10	0
2:21	0	299	0	30.79	33	69	-40	0	0
2:11	0	299	0	30.79	33	69	-40	10	0
2:01	0	299	0	30.79	33	68	-40	10	0
1:51	0	299	0	30.79	33	68	-40	0	0
1:41	0	299	0	30.79	33	67	-40	10	0
1:31	0	299	0	30.79	34	67	-40	0	0
1:21	0	299	0	30.79	34	67	-40	0	0
1:11	0.1	299	0	30.79	34	67	-40	0	0
1:01	0.2	298	2	30.79	34	68	-40	10	0
0:51	0.7	298	2	30.79	34	68	-40	0	0
0:41	0.4	295	3	30.79	34	70	-40	10	0
0:31	0	291	0	30.79	34	70	-40	0	0
0:21	0	288	0	30.79	34	72	-40	10	0
0:11	0.4	287	0	30.79	34	72	-40	0	0
0:01	1.8	284	4	30.79	34	73	-40	10	0
Date:	12/2/99								
23:51	0.6	285	4	30.79	33	75	-40	10	0
23:41	0	285	0	30.79	32	76	-40	0	0
23:31	0	287	1	30.79	32	76	-40	0	0
23:21	0	287	1	30.79	32	77	-40	10	0
23:11	0	284	1	30.79	32	77	-40	10	0
23:01	0	292	1	30.79	33	77	-40	0	0
22:51	0	312	0	30.79	33	78	-40	10	0
22:41	0	310	0	30.79	32	77	-40	10	0
22:31	0	308	0	30.79	32	77	-40	10	0
22:21	0	320	0	30.79	31	76	-40	0	0
22:11	0	320	0	30.79	32	76	-40	0	0
22:01	0	320	0	30.79	33	76	-40	0	0
21:51	0	320	0	30.79	33	75	-40	0	0
21:41	0	320	0	30.79	33	76	-40	0	0
21:31	0	320	0	30.79	33	75	-40	10	0
21:21	0.1	320	2	30.79	33	75	-40	10	0

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21:11	0	319	2	30.79	33	75	-40	10	0
21:01	0	319	0	30.79	33	73	-40	10	0
20:51	0	319	0	30.79	33	72	-40	10	0
20:41	0	319	0	30.79	33	71	-40	10	0
20:31	0	319	0	30.79	33	70	-40	10	0
20:21	0.1	317	0	30.79	34	68	-40	0	0
20:11	0.3	317	2	30.79	34	67	-40	0	0
20:01	0.1	309	0	30.79	35	66	-40	10	0
19:51	0.2	295	2	30.79	36	65	-40	10	0
19:41	0	274	1	30.79	36	64	-40	0	0
19:31	0.1	263	1	30.79	36	62	-40	10	0
19:21	0.2	263	2	30.79	37	61	-40	10	0
19:11	0.2	263	1	30.79	37	60	-40	10	0
19:01	0.7	263	3	30.79	38	59	-40	10	0
18:51	1.4	263	4	30.79	39	58	-40	10	0
18:41	0.4	263	3	30.79	38	58	-40	10	0
18:31	0.2	263	2	30.79	38	58	-40	0	0
18:21	0.2	263	0	30.79	39	57	-40	0	0
18:11	0.9	263	2	30.79	39	56	-40	10	0
18:01	2.2	263	3	30.79	40	55	-40	10	0
17:51	2.9	263	4	30.79	40	55	-40	0	0
17:41	3.4	263	6	30.79	40	54	-40	10	0
17:31	4.6	263	6	30.79	41	54	-40	0	0
17:21	5.3	264	7	30.79	42	53	-40	10	0
17:11	5.4	264	7	30.79	42	53	-40	10	0
17:01	5.8	269	7	30.79	42	51	-40	0	0
16:51	4.7	273	8	30.79	42	52	-40	0	0
16:41	3.8	266	7	30.79	42	51	-40	0	0
16:31	5.1	280	8	30.79	43	50	-40	0	0
16:21	6.9	266	10	30.79	43	50	-40	10	0
16:11	7.2	264	11	30.79	43	49	-40	0	0
16:01	8.4	263	12	30.79	43	49	-40	0	0
15:51	9.4	276	13	30.79	43	48	-40	0	0
15:41	8.8	274	16	30.79	43	47	-40	0	0
15:31	9.1	274	15	30.79	44	45	-40	10	0
15:21	11.3	295	15	30.79	44	46	-40	10	0
15:11	12.8	276	18	30.79	44	46	-40	10	0
15:01	11.5	281	18	30.79	43	46	-40	0	0
14:51	12.2	263	17	30.79	44	47	-40	0	0
14:41	12.6	253	18	30.79	43	46	-40	10	0
14:31	11.4	271	18	30.79	44	46	-40	0	0
14:21	11.9	276	18	30.79	44	47	-40	0	0
14:11	12.8	276	18	30.79	44	48	-40	0	0
14:01	14.1	299	20	30.79	43	49	-40	0	0
13:51	12.8	271	18	30.79	43	49	-40	0	0
13:41	12.4	274	20	30.79	43	50	-40	0	0
13:31	13.4	302	20	30.79	43	50	-40	0	0
13:21	12.4	295	19	30.79	43	50	-40	10	0
13:11	11.8	308	19	30.79	43	51	-40	10	0
13:01	11.2	278	18	30.79	42	51	-40	10	0
12:51	11.7	299	19	30.79	42	52	-40	10	0
12:41	10.9	267	18	30.79	41	52	-40	0	0
12:31	11.4	283	18	30.79	41	52	-40	0	0
12:21	12.4	276	20	30.79	40	52	-40	0	0
12:11	13.4	276	24	30.79	40	53	-40	0	0
12:01	14.3	315	23	30.79	40	53	-40	0	0
11:51	12.4	292	20	30.79	40	54	-40	10	0
11:41	13.3	273	20	30.79	39	53	-40	0	0

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11:31	12.7	280	20	30.79	38	55	-40	10	0
11:21	12.7	271	21	30.79	39	55	-40	10	0
11:11	13.5	308	24	30.79	37	57	-40	10	0
11:01	12.5	312	20	30.79	37	56	-40	10	0
10:51	12	283	20	30.79	37	56	-40	0	0
10:41	12.4	354	20	30.79	37	56	-40	10	0
10:31	10.4	290	22	30.79	36	58	-40	0	0
10:21	10.4	302	16	30.79	36	57	-40	10	0
10:11	11.9	310	17	30.79	36	56	-40	0	0
10:01	11.5	281	22	30.79	36	57	-40	10	0
9:51	10.7	299	18	30.79	35	57	-40	0	0
9:41	11.4	342	20	30.79	36	57	-40	0	0
9:31	11.7	292	20	30.79	35	57	-40	0	0
9:21	11.5	298	25	30.79	34	58	-40	0	0
9:11	11.2	315	17	30.79	34	57	-40	0	0
9:01	12.3	287	19	30.79	34	56	-40	10	0
8:51	12.5	281	21	30.79	33	57	-40	0	0
8:41	12	292	20	30.79	33	59	-40	10	0
8:31	11.8	280	19	30.79	32	59	-40	0	0
8:21	10.3	302	18	30.79	32	60	-40	10	0
8:11	10.7	329	16	30.79	31	59	-40	0	0
8:01	10.7	319	17	30.79	31	59	-40	10	0
7:51	10.7	299	19	30.79	31	60	-40	0	0
7:41	9.8	295	15	30.79	31	59	-40	10	0
7:31	9.8	301	14	30.79	31	59	-40	0	0
7:21	9	313	14	30.79	30	59	-40	0	0
7:11	8.5	294	15	30.79	30	57	-40	10	0
7:01	8.2	306	16	30.79	30	58	-40	0	0
6:51	9.5	274	15	30.79	30	57	-40	10	0
6:41	8.7	316	13	30.79	30	56	-40	0	0
6:31	8	288	11	30.79	30	55	-40	10	0
6:21	8.9	309	13	30.79	30	54	-40	10	0
6:11	9.2	303	15	30.79	30	54	-40	10	0
6:01	8	342	13	30.79	29	54	-40	10	0
5:51	8.2	324	13	30.79	29	55	-40	0	0
5:41	8.3	284	13	30.79	29	55	-40	0	0
5:31	8.8	302	13	30.79	29	55	-40	10	0
5:21	8.1	302	13	30.79	29	55	-40	0	0
5:11	7.6	299	15	30.79	29	55	-40	10	0
5:01	8.8	267	13	30.79	29	55	-40	0	0
4:51	11.1	298	18	30.79	29	54	-40	0	0
4:41	9.7	305	19	30.79	30	53	-40	0	0
4:31	11.2	301	19	30.79	29	53	-40	0	0
4:21	11.7	302	17	30.79	29	53	-40	0	0
4:11	10.7	309	18	30.79	29	51	-40	0	0
4:01	12.8	331	20	30.79	29	51	-40	0	0
3:51	13	281	27	30.79	30	51	-40	10	0
3:41	12.4	315	28	30.79	30	51	-40	10	0
3:31	10.8	313	19	30.79	30	51	-40	10	0
3:21	9.5	296	17	30.79	30	51	-40	0	0
3:11	9.6	296	17	30.79	30	51	-40	10	0
3:01	10	296	14	30.79	30	51	-40	0	0
2:51	10.3	294	21	30.79	30	52	-40	10	0
2:41	7.2	292	15	30.79	29	52	-40	10	0
2:31	8.7	308	14	30.79	30	53	-40	0	0
2:21	9	306	18	30.79	29	53	-40	10	0
2:11	10.6	296	16	30.79	30	53	-40	0	0
2:01	10.6	319	19	30.79	30	53	-40	10	0

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1:51	7.9	315	16	30.79	29	53	-40	10	0
1:41	6.2	305	11	30.79	29	53	-40	10	0
1:31	7.4	306	12	30.79	29	54	-40	10	0
1:21	6.4	262	17	30.79	29	54	-40	0	0
1:11	5.9	299	12	30.79	29	55	-40	0	0
1:01	6.4	296	13	30.79	29	53	-40	0	0
0:51	6.6	326	12	30.79	29	54	-40	0	0
0:41	8.7	299	16	30.79	29	55	-40	0	0
0:31	10	309	15	30.79	29	54	-40	0	0
0:21	10	278	16	30.79	29	54	-40	0	0
0:11	9.7	299	16	30.79	29	54	-40	10	0
0:01	9.3	317	16	30.79	29	53	-40	10	0
Date:	12/1/99								
23:51	8.7	290	14	30.79	29	54	-40	0	0
23:41	9.3	296	16	30.79	29	53	-40	0	0
23:31	8.4	298	18	30.79	29	54	-40	10	0
23:21	10.1	276	15	30.79	29	52	-40	0	0
23:11	10.9	308	21	30.79	30	52	-40	10	0
23:01	10.7	315	23	30.79	30	51	-40	10	0
22:51	9.3	277	16	30.79	30	51	-40	0	0
22:41	11.8	333	18	30.79	30	51	-40	10	0
22:31	10.9	327	18	30.79	30	51	-40	0	0
22:21	9.8	319	19	30.79	30	51	-40	0	0
22:11	10.5	280	16	30.79	30	51	-40	10	0
22:01	9.8	305	20	30.79	30	50	-40	10	0
21:51	8.1	309	17	30.79	30	50	-40	0	0
21:41	8.5	309	16	30.79	30	50	-40	0	0
21:31	9.5	295	18	30.79	30	50	-40	0	0
21:21	10.7	317	19	30.79	30	50	-40	10	0
21:11	9.5	313	21	30.79	30	50	-40	0	0
21:01	8.8	324	18	30.79	30	50	-40	10	0
20:51	9.3	317	14	30.79	30	50	-40	10	0
20:41	8.7	308	15	30.79	30	50	-40	10	0
20:31	9.4	316	14	30.79	30	48	-40	0	0
20:21	11.3	329	18	30.79	31	48	-40	10	0
20:11	12.8	317	19	30.79	31	49	-40	0	0
20:01	12.7	319	21	30.79	31	48	-40	0	0
19:51	11.9	290	21	30.79	31	48	-40	10	0
19:41	12.1	309	28	30.79	31	48	-40	10	0
19:31	11.2	348	20	30.79	31	48	-40	0	0
19:21	12.3	322	20	30.79	31	46	-40	10	0
19:11	11.5	341	20	30.79	31	46	-40	10	0
19:01	11	303	21	30.79	31	44	-40	10	0
18:51	13.1	344	22	30.79	31	43	-40	10	0
18:41	12.8	322	23	30.79	31	42	-40	0	0
18:31	15.3	302	24	30.79	31	41	-40	10	0
18:21	13.5	308	29	30.79	31	42	-40	10	0
18:11	14.5	310	29	30.79	31	44	-40	10	0
18:01	13.3	312	27	30.79	30	44	-40	0	0
17:51	16	319	26	30.79	31	44	-40	10	0
17:41	14	333	26	30.79	31	46	-40	10	0
17:31	11.1	292	20	30.79	30	46	-40	10	0
17:21	12.5	338	23	30.79	31	45	-40	10	0
17:11	14.6	349	21	30.79	31	45	-40	0	0
17:01	14.1	324	26	30.79	31	47	-40	0	0
16:51	13.1	347	25	30.79	31	47	-40	0	0
16:41	13	305	20	30.79	31	48	-40	10	0
16:31	11.6	308	22	30.79	31	49	-40	10	0

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16:21	13.1	305	20	30.79	31	49	-40	10	0
16:11	12.8	312	22	30.79	31	49	-40	10	0
16:01	13.5	294	27	30.79	31	50	-40	0	0
15:51	13.8	291	24	30.79	31	49	-40	10	0
15:41	16	319	27	30.79	31	48	-40	0	0
15:31	13.4	309	24	30.79	31	48	-40	0	0
15:21	14.4	310	26	30.79	31	48	-40	10	0
15:11	16.8	326	27	30.79	31	48	-40	10	0
15:01	14.3	333	25	30.79	31	49	-40	0	0
14:51	14.3	302	23	30.79	31	49	-40	0	0
14:41	15.6	317	25	30.79	32	48	-40	10	0
14:31	14.8	312	24	30.79	32	47	-40	0	0
14:21	14.2	306	25	30.79	32	48	-40	0	0
14:11	13.9	342	24	30.79	32	47	-40	0	0
14:01	14.1	312	22	30.79	32	48	-40	10	0
13:51	14.6	337	24	30.79	31	47	-40	10	0
13:41	14.6	292	20	30.79	31	48	-40	10	0
13:31	15.1	354	24	30.79	31	48	-40	0	0
13:21	13.2	292	26	30.79	31	47	-40	0	0
13:11	14.6	348	25	30.79	31	49	-40	0	0
13:01	14.6	317	27	30.79	30	48	-40	0	0
12:51	13.5	295	25	30.79	31	48	-40	0	0
12:41	16.6	341	28	30.79	30	50	-40	0	0
12:31	14.7	319	25	30.79	30	49	-40	0	0
12:21	15.2	330	23	30.79	30	50	-40	0	0
12:11	16.2	315	28	30.79	30	51	-40	0	0
12:01	16.5	331	25	30.79	29	52	-40	10	0
11:51	14.6	305	25	30.79	28	52	-40	0	0
11:41	13.2	333	25	30.79	29	52	-40	10	0
11:31	14	309	25	30.79	28	54	-40	0	0
11:21	14.8	294	24	30.79	28	55	-40	10	0
11:11	13.4	315	24	30.79	28	55	-40	0	0
11:01	14.9	305	26	30.79	28	55	-40	0	0
10:51	14.6	340	22	30.79	27	56	-40	0	0
10:41	15.6	319	25	30.79	27	57	-40	0	0
10:31	16.7	333	29	30.79	27	57	-40	0	0
10:21	16.9	354	27	30.79	27	58	-40	0	0
10:11	15.7	347	25	30.79	26	58	-40	0	0
10:01	15.4	348	26	30.79	26	59	-40	10	0
9:51	13.7	323	23	30.79	26	59	-40	10	0
9:41	15.9	319	28	30.79	25	58	-40	0	0
9:31	16.7	345	27	30.79	25	58	-40	10	0
9:21	14	331	31	30.79	25	58	-40	10	0
9:11	13	345	25	30.79	25	59	-40	10	0
9:01	15	313	24	30.79	25	60	-40	0	0
8:51	15.1	347	25	30.79	25	60	-40	10	0
8:41	11	347	26	30.79	25	61	-40	0	0
8:31	13.1	331	17	30.79	25	61	-40	0	0
8:21	11.8	303	19	30.79	25	62	-40	0	0
8:11	14.2	329	26	30.79	25	62	-40	0	0
8:01	12.7	303	33	30.79	24	62	-40	0	0
7:51	12.8	341	23	30.79	24	62	-40	0	0
7:41	10.9	301	21	30.79	24	63	-40	0	0
7:31	13.6	310	21	30.79	24	62	-40	0	0
7:21	11.2	1	21	30.79	24	63	-40	10	0
7:11	12.4	1	22	30.79	24	63	-40	0	0
7:01	11.8	333	25	30.79	24	62	-40	10	0
6:51	12.9	338	23	30.79	24	62	-40	0	0

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6:41	13.9	333	31	30.79	24	62	-40	0	0
6:31	13.3	333	27	30.79	24	61	-40	10	0
6:21	14.3	312	24	30.79	24	61	-40	10	0
6:11	12.3	349	23	30.79	24	61	-40	0	0
6:01	14.2	335	25	30.79	24	62	-40	10	0
5:51	14.5	330	25	30.79	24	61	-40	10	0
5:41	14.1	334	25	30.79	24	61	-40	0	0
5:31	11.8	338	27	30.79	24	62	-40	10	0
5:21	12.6	354	27	30.79	24	62	-40	10	0
5:11	13.3	347	23	30.79	25	62	-40	0	0
5:01	14.2	313	25	30.79	25	62	-40	10	0
4:51	12.8	329	27	30.79	25	63	-40	10	0
4:41	13.7	312	22	30.79	25	63	-40	10	0
4:31	13.6	324	26	30.79	25	62	-40	0	0
4:21	13.3	326	24	30.79	25	62	-40	10	0
4:11	13.2	324	21	30.79	26	62	-40	10	0
4:01	10.5	277	22	30.79	26	62	-40	0	0
3:51	14.8	14	24	30.79	26	61	-40	10	0
3:41	13.5	322	24	30.79	27	60	-40	10	0
3:31	15.5	335	29	30.79	27	60	-40	10	0
3:21	13.7	331	24	30.79	27	61	-40	10	0
3:11	14.3	252	27	30.79	28	61	-40	0	0
3:01	13	337	23	30.79	28	60	-40	0	0
2:51	11.2	326	22	30.79	28	61	-40	0	0
2:41	12	335	20	30.79	28	62	-40	0	0
2:31	12.8	326	23	30.79	29	62	-40	10	0
2:21	11.6	334	20	30.79	29	62	-40	0	0
2:11	11	320	20	30.79	29	62	-40	0	0
2:01	12.6	287	24	30.79	30	60	-40	10	0
1:51	13.6	354	24	30.79	30	58	-40	10	0
1:41	12.6	301	22	30.79	30	57	-40	10	0
1:31	10	335	20	30.79	31	57	-40	0	0
1:21	11.7	342	26	30.79	31	57	-40	0	0
1:11	11.5	337	20	30.79	31	60	-40	0	0
1:01	9.7	324	18	30.79	31	61	-40	10	0
0:51	9.9	344	18	30.79	31	60	-40	10	0
0:41	11.1	333	21	30.79	31	61	-40	10	0
0:31	11.1	334	21	30.79	32	61	-40	0	0
0:21	11	354	19	30.79	32	61	-40	10	0
0:11	13.1	351	20	30.79	33	60	-40	10	0
0:01	13.9	329	30	30.79	33	59	-40	0	0
Date:	11/30/99								
23:51	15.5	337	28	30.79	34	59	-40	10	0
23:41	14.4	331	26	30.79	34	60	-40	0	0
23:31	11.5	341	21	30.79	34	61	-40	10	0
23:21	10	333	22	30.79	35	62	-40	10	0
23:11	13	324	27	30.79	35	62	-40	0	0
23:01	12.9	337	24	30.79	35	62	-40	0	0
22:51	13.7	334	23	30.79	35	62	-40	10	0
22:41	10.9	347	29	30.79	35	62	-40	10	0
22:31	12.1	333	22	30.79	35	63	-40	0	0
22:21	10.5	341	29	30.79	36	62	-40	10	0
22:11	13.7	330	21	30.79	35	62	-40	10	0
22:01	13.8	330	29	30.79	35	62	-40	10	0
21:51	13.1	294	22	30.79	36	65	-40	10	0
21:41	12.1	303	19	30.79	36	62	-40	10	0
21:31	11.3	330	19	30.79	36	58	-40	10	0
21:21	12.7	4	22	30.79	36	58	-40	10	0

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CONSTRUCTION CERTIFICATION REPORT

DZUS FASTENER SITE (OU2)

APPENDIX B

SPDES DATA

WATER DISCHARGE MONITORING

&

FLOW & TOTALIZER DATA

August 1999 Processing and Treatment Area Water Discharge Monitoring

Parameter	Frequency	Permit Limits	Units of Measure	DAILY	WEEKLY 8/16/99 to 8/23/99	WEEKLY 8/24/99 to 8/31/99	MONTHLY
Flow @ flow meter	Continuous	1	MGD	see attached	NR	NR	NR
pH (range)	weekly	6.0 - 9.0	SU	NR	6.6	6.4	NR
Total Suspended Solids (TSS)	weekly	20	mg/l	NR	4.40 U (ETL COC ID) I 5953	4.40 U (ETL COC ID) I 7020/7021 *	NR
Total Dissolved Solids (TDS)	weekly	monitor only	mg/l	NR	NA	NA	NR
Settleable Solids (onsite)	daily	0.1	ml/l	see attached	NR	NR	NR
Aluminum, dissolved	monthly	0.360	mg/l	NR	NR	NR	0.17 U (ETL COC ID) I 5953
Cadmium, total	weekly	0.017	mg/l	NR	0.0033 U (ETL COC ID) I 5953	0.0033 U (ETL COC ID) I 7020/7021 *	NR
Chromium, total	monthly	0.132	mg/l	NR	NR	NR	0.0056 U (ETL COC ID) I 5953
Cyanide, amenable	monthly	0.060	mg/l	NR	NR	NR	0.0060 U (ETL COC ID) I 5953
Iron, total	weekly	10	mg/l	NR	0.036 J (ETL COC ID) I 5953	0.0173 (ETL COC ID) I 7020/7021 *	NR
Lead, total	monthly	0.014	mg/l	NR	NR	NR	0.0020 J (ETL COC ID) I 5953
Zinc, total	monthly	0.072	mg/l	NR	NR	NR	0.037 (ETL COC ID) I 5953

* Values of all four quadrant samples were averaged
NA Not Available
NR Not Required
MGD Million Gallons / Day
SU pH Standard Units
U Undetected, with detection limit noted
J Value is between CRDL and IDL

September 1999 Processing and Treatment Area Water Discharge Monitoring

Parameter	Frequency	Permit Limits	Units of Measure	DAILY	WEEKLY 9/4/99 to 9/10/99	WEEKLY 9/11/99 to 9/17/99	WEEKLY 9/18/99 to 9/24/99	WEEKLY 9/25/99 to 9/30/99	MONTHLY
Flow @ flow meter	Continuous	1	MGD	See Attached	NR	NR	NR	NR	NR
pH (range)	Weekly	6.0 - 9.0	SU	NR	6.9	NA	7.1	7.1	NR
Total Suspended Solids (TSS)	Weekly	20	mg/l	NR	6.05 mg/L U * (ETL COC ID) I 7024-9 & 12 I 7025-2 & 5	NA	4.40 mg/L U (ETL COC ID) I 5069-2	4.40 mg/L U (ETL COC ID) I 9832-2	NR
Total Dissolved Solids (TDS)	Weekly	Monitor Only	mg/l	NR	NA	NA	97.0 (ETL COC ID) I 5069-2	108.0 (ETL COC ID) I 9832-2	NR
Settleable Solids (onsite)	Daily	0.1	ml/l	See Attached	NR	NR	NR	NR	NR
Aluminum, dissolved	Monthly	0.360	mg/l	NR	NR	NR	NR	NR	.099 U * (ETL COC ID) I 7024-10 & 13 and I 7025-3 & 6
Cadmium, total	Weekly	0.017	mg/l	NR	.0015 J * (ETL COC ID) I 7024-11 I 7025-1 & 4 & 7	NA	.0033 U (ETL COC ID) I 5069-1	.0033 U (ETL COC ID) I 9832-1	NR
Chromium, total	Monthly	0.132	mg/l	NR	NR	NR	NR	NR	.0056 U (ETL COC ID) I 7024-11 and I 7025-1 & 4 & 7
Cyanide, amenable	Monthly	0.060	mg/l	NR	NR	NR	NR	NR	.0060 U (ETL COC ID) 9/30/99
Iron, total	Weekly	10	mg/l	NR	.067 J * (ETL COC ID) I 7024-11 I 7025-1 & 4 & 7	NA	.050 J (ETL COC ID) I 5069-1	.098 J (ETL COC ID) I 9832-1	NR
Lead, total	Monthly	0.014	mg/l	NR	NR	NR	NR	NR	.0072 * (ETL COC ID) I 7024-11 and I 7025-1 & 4 & 7
Zinc, total	Weekly	0.072	mg/l	NA	.052 * (ETL COC ID) I 7024-11 I 7025-1 & 4 & 7	NR	.048 (ETL COC ID) I 5069-1	.054 (ETL COC ID) I 9832-1	NR

* Values of all four quadrant samples were averaged
NA Not Available
NR Not Required
MGD Million Gallons / Day
SU pH Standard Units
U Undetected, with detection limit noted
J Value is between CRDL and IDL

October 1999 Processing and Treatment Area Water Discharge Monitoring

Parameter	*Frequency*	*Permit Limits*	*Units of Measure*	*DAILY*	*WEEKLY 10/4/99 to 10/10/99*	*WEEKLY 10/11/99 to 10/17/99*	*WEEKLY 10/18/99 to 10/24/99*	*WEEKLY 10/25/99 to 10/31/99*	*MONTHLY*
Flow @ flow meter	Continuous	1	MGD	See Attached	NR	NR	NR	NR	NR
pH (range)	Weekly	6.0 - 9.0	SU	NR	7.2	7.4	7.1	6.9	NR
Total Suspended Solids (TSS)	Weekly	20	mg/l	NR	4.40 U (ETL COC ID) I 9849-3	4.40 U (ETL COC ID) I 5163-1	4.40 U (ETL COC ID) I 5247-1	4.40 U (ETL COC ID) I 5260-1	NR
Total Dissolved Solids (TDS)	Weekly	Monitor Only	mg/l	NR	87.0 (ETL COC ID) I 9849-3	94.0 (ETL COC ID) I 5163-1	47.0 (ETL COC ID) I 5247-1	81.0 (ETL COC ID) I 5260-1	NR
Settleable Solids (onsite)	Daily	0.1	ml/l	See Attached	NR	NR	NR	NR	NR
Aluminum, dissolved	Monthly	0.360	mg/l	NR	NR	NR	NR	NR	0.17 U (ETL COC ID) I 9849-4
Cadmium, total	Weekly	0.017	mg/l	NR	.0033 U (ETL COC ID) I 9849-1	.0033 U (ETL COC ID) I 5163-2	.0033 U (ETL COC ID) I 5247-2	.0033 U (ETL COC ID) I 5260-2	NR
Chromium, total	Monthly	0.132	mg/l	NR	NR	NR	NR	NR	.0056 U (ETL COC ID) I 9849-1
Cyanide, amenable	Monthly	0.060	mg/l	NR	NR	NR	NR	NR	.0060 U (ETL COC ID) I 9849-2
Iron, total	Weekly	10	mg/l	NR	.018 J (ETL COC ID) I 9849-1	0.11 U (ETL COC ID) I 5163-2	.054 J (ETL COC ID) I 5247-2	.022 J (ETL COC ID) I 5260-2	NR
Lead, total	Monthly	0.014	mg/l	NR	NR	NR	NR	NR	.0022 U (ETL COC ID) I 9849-1
Zinc, total	Weekly	0.072	mg/l	NA	.011 U (ETL COC ID) I 9849-1	.064 (ETL COC ID) I 5163-2	.011 U (ETL COC ID) I 5247-2	.063 (ETL COC ID) I 5260-2	NR

* Values of all four quadrant samples were averaged
NA Not Available
NR Not Required
MGD Million Gallons / Day
SU pH Standard Units
U Undetected, with detection limit noted
J Value is between CRDL and IDL

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
November 1999 Processing and Treatment Area Water Discharge Monitoring

Parameter	Frequency	Permit Limits	Units of Measure	DAILY	WEEKLY 11/4/99 to 11/10/99	WEEKLY 11/11/99 to 11/17/99	WEEKLY 11/18/99 to 11/24/99	WEEKLY 11/25/99 to 12/2/99	MONTHLY
Flow @ flow meter	Continuous	1	MGD	See Attached	NR	NR	NR	NR	NR
pH (range)	Weekly	6.0 - 9.0	SU	NR	NA	6.8	NA	7.1	NR
Total Suspended Solids (TSS)	Weekly	20	mg/l	NR	NA	4.40 U (ETL COC ID) I 7129-2	4.40 U (ETL COC ID) J 3936-2	5.00 (ETL COC ID) J 3944-4	NR
Total Dissolved Solids (TDS)	Weekly	Monitor Only	mg/l	NR	NA	117 (ETL COC ID) I 7129-2	327 (ETL COC ID) J 3936-2	115 (ETL COC ID) J 3944-4	NR
Settleable Solids (onsite)	Daily	0.1	ml/l	See Attached	NR	NR	NR	NR	NR
Aluminum, dissolved	Monthly	0.360	mg/l	NR	NR	NR	NR	NR	0.17 U (ETL COC ID) J 3944-2
Cadmium, total	Weekly	0.017	mg/l	NR	NA	.0033 U (ETL COC ID) I 7129-1	.0033 U (ETL COC ID) J 3936-1	.0033 U (ETL COC ID) J 3944-1	NR
Chromium, total	Monthly	0.132	mg/l	NR	NR	NR	NR	NR	.0056 U (ETL COC ID) J 3944-1
Cyanide, amenable	Monthly	0.060	mg/l	NR	NR	NR	NR	NR	.0060 U (ETL COC ID) J 3944-3
Iron, total	Weekly	10	mg/l	NR	NA	0.16 (ETL COC ID) I 7129-1	0.18 (ETL COC ID) J 3936-1	.044 J (ETL COC ID) J 3944-1	NR
Lead, total	Monthly	0.014	mg/l	NR	NR	NR	NR	NR	.0040 (ETL COC ID) J 3944-1
Zinc, total	Weekly	0.072	mg/l	NA	NA	.046 (ETL COC ID) I 7129-1	.080 (ETL COC ID) J 3936-1	.25 (ETL COC ID) J 3944-1	NR

* Values of all four quadrant samples were averaged
NA Not Available
NR Not Required
MGD Million Gallons / Day
SU pH Standard Units
U Undetected, with detection limit noted
J Value is between CRDL and IDL

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DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
December 1999 Processing and Treatment Area Water Discharge Monitoring

Parameter	Frequency	Permit Limits	Units of Measure	DAILY	WEEKLY 12/3/99 to 12/9/99	WEEKLY 12/10/99 to 12/16/99	WEEKLY 12/17/99 to 12/23/99	WEEKLY 12/24/99 to 12/31/99	MONTHLY
Flow @ flow meter	Continuous	1	MGD	See Attached	NR	NR	End of Project	End of Project	End of Project
pH (range)	Weekly	6.0 - 9.0	SU	NR	6.9	7.1	End of Project	End of Project	End of Project
Total Suspended Solids (TSS)	Weekly	20	mg/l	NR	4.40 U (ETL COC ID) J 3958-2	14.0 (ETL COC ID) J 4621-2	End of Project	End of Project	End of Project
Total Dissolved Solids (TDS)	Weekly	Monitor Only	mg/l	NR	274 (ETL COC ID) J 3958-2	102 (ETL COC ID) J 4621-2	End of Project	End of Project	End of Project
Settleable Solids (onsite)	Daily	0.1	ml/l	See Attached	NR	NR	End of Project	End of Project	End of Project
Aluminum, dissolved	Monthly	0.360	mg/l	NR	NR	NR	End of Project	End of Project	End of Project
Cadmium, total	Weekly	0.017	mg/l	NR	.0033 U (ETL COC ID) J 3958-1	.0033 U (ETL COC ID) J 4621-1	End of Project	End of Project	End of Project
Chromium, total	Monthly	0.132	mg/l	NR	NR	NR	End of Project	End of Project	End of Project
Cyanide, amenable	Monthly	0.060	mg/l	NR	NR	NR	End of Project	End of Project	End of Project
Iron, total	Weekly	10	mg/l	NR	1.64 (ETL COC ID) J 3958-1	0.18 (ETL COC ID) J 4621-1	End of Project	End of Project	End of Project
Lead, total	Monthly	0.014	mg/l	NR	NR	NR	End of Project	End of Project	End of Project
Zinc, total	Weekly	0.072	mg/l	NA	.11 (ETL COC ID) J 3958-1	.054 (ETL COC ID) J 4621-1	End of Project	End of Project	End of Project

* Values of all four quadrant samples were averaged
NA Not Available
NR Not Required
MGD Million Gallons / Day
SU pH Standard Units
U Undetected, with detection limit noted
J Value is between CRDL and IDL

August 1999
Flow Rate and Totalization Monitoring

Date	Beginning Totalizer	Ending Totalizer	Total Gallons Discharged	Instantaneous Flow Rate (gpm)
08/16/99	532,500	588,350	55,850	468
08/17/99	588,390	588,390	0	0
08/18/99	588,390	649,280	60,890	Not Available
08/19/99	649,280	747,480	98,200	700
08/20/99	747,610	821,501	73,891	750

Date	Beginning Totalizer	Ending Totalizer	Total Gallons Discharged	Instantaneous Flow Rate (gpm)
08/23/99	821,501	930,140	108,639	900
08/24/99	930,140	972,250	42,110	780
08/25/99	972,250	1,068,530	96,280	496
08/26/99	1,068,530	1,412,210	343,680	540
08/27/99	1,412,210	1,630,770	218,560	505

Total Gallons Discharged this Month: 1,098,270

August 1999
Settleable Solids

Date	Settleable Solids (ml/l)
08/18/99	0.0
08/19/99	0.0
08/20/99	0.0
08/23/99	0.0
08/24/99	0.0
08/25/99	0.0
08/26/99	0.0
08/27/99	0.0
08/28/99	0.0
08/30/99	0.0
08/31/99	0.0

September 1999
Flow Rate and Totalization Monitoring

Date	Beginning Totalizer	Ending Totalizer	Total Gallons Discharged	Instantaneous Flow Rate (gpm)
09/01/99	Machine Out For Repair	Not Available	0	0
09/02/99	101,760	401,660	299,900	470
09/03/99	401,660	675,350	273,690	450

Date	Beginning Totalizer	Ending Totalizer	Total Gallons Discharged	Instantaneous Flow Rate (gpm)
09/06/99	Plant Closed	Holiday	0	
09/07/99	675,350	876,740	201,390	520
09/08/99	876,740	1,041,180	164,440	470
09/09/99	1,041,180	1,174,970	133,790	540
09/10/99	1,174,970	1,410,600	235,630	520
9/11/99 Saturday	1,410,600	1,540,730	130,130	480

September 1999
Flow Rate and Totalization Monitoring

Date	Beginning Totalizer	Ending Totalizer	Total Gallons Discharged	Instantaneous Flow Rate (gpm)
09/13/99	1,540,730	1,707,430	166,700	440
09/14/99	1,707,430	1,899,890	192,460	535
09/15/99	1,899,890	2,035,720	135,830	460
09/16/99	Plant Closed	Hurricane Warning	0	
09/17/99	Plant Closed	Hurricane Warning	0	

Date	Beginning Totalizer	Ending Totalizer	Total Gallons Discharged	Instantaneous Flow Rate (gpm)
09/20/99	2,035,720	2,285,880	250,160	480
09/21/99	2,285,880	2,468,750	182,870	490
09/22/99	2,468,750	2,530,920	62,170	470
09/23/99	2,530,920	2,719,260	188,340	420
09/24/99	2,719,260	2,964,630	245,370	440

September 1999
Flow Rate and Totalization Monitoring

Date	Beginning Totalizer	Ending Totalizer	Total Gallons Discharged	Instantaneous Flow Rate (gpm)
09/27/99	2,964,630	3,005,550	40,920	510
09/28/99	3,005,550	3,172,390	166,840	470
09/29/99	3,172,390	3,396,550	224,160	480
09/30/99	3,396,550	3,567,540	170,990	420

Total Gallons Discharged this Month: 3,465,780

September 1999
Settleable Solids

Date	Settleable Solids (ml/l)
09/01/99	0.0
09/02/99	0.0
09/03/99	0.0
09/06/99	Holiday
09/07/99	0.0
09/08/99	0.0
09/09/99	0.0
09/10/99	0.0
09/13/99	0.0
09/14/99	0.0
09/15/99	0.0
09/16/99	Plant Closed
09/17/99	Plant Closed

Date	Settleable Solids (ml/l)
09/20/99	0.0
09/21/99	0.0
09/22/99	0.0
09/23/99	0.0
09/24/99	0.0
09/27/99	0.0
09/28/99	0.0
09/29/99	0.0
09/30/99	0.0

October 1999
Flow Rate and Totalization Monitoring

Date	Beginning Totalizer	Ending Totalizer	Total Gallons Discharged	Instantaneous Flow Rate (gpm)
10/01/99	3,567,540	3,774,870	207,330	560
10/02/99 Saturday	3,774,870	3,985,470	210,600	640

Date	Beginning Totalizer	Ending Totalizer	Total Gallons Discharged	Instantaneous Flow Rate (gpm)
10/04/99	3,985,470	4,140,050	154,580	480
10/05/99	4,140,050	4,207,920	67,870	470
10/06/99	4,207,920	4,293,550	85,630	465
*	15,210,590	15,240,580	29,990	
10/07/99	15,240,580	15,313,460	72,880	390
10/08/99	15,313,460	15,389,180	75,720	470
10/09/99 Saturday	15,389,180	15,500,910	111,730	450

* Discharge Totalizer Failed - Exchanged Electronics from Sand Filter Influent Totalizer.
Influent Totalizer meter reads higher due to recirculation procedures but actual discharge is as stated.

October 1999
Flow Rate and Totalization Monitoring

Date	Beginning Totalizer	Ending Totalizer	Total Gallons Discharged	Instantaneous Flow Rate (gpm)
10/11/99	Plant Closed	Plant Closed	0	0
10/12/99	15,500,910	15,553,060	52,150	450
10/13/99	15,553,060	15,708,300	155,240	450
10/14/99	15,708,300	15,781,360	73,060	450
10/15/99	15,781,360	15,806,210	24,850	450
10/16/99 Saturday	15,806,210	15,973,910	167,700	420

Date	Beginning Totalizer	Ending Totalizer	Total Gallons Discharged	Instantaneous Flow Rate (gpm)
10/18/99	15,973,910	16,087,730	113,820	460
10/19/99	Plant Closed	Plant Closed	0	0
10/20/99	16,087,730	16,161,900	74,170	470
10/21/99	16,161,900	16,237,850	75,950	380

October 1999
Flow Rate and Totalization Monitoring

10/22/99	16,237,850	16,261,440	23,590	620
10/23/99 Saturday	16,261,440	16,342,070	80,630	420

Date	Beginning Totalizer	Ending Totalizer	Total Gallons Discharged	Instantaneous Flow Rate (gpm)
10/25/99	16,342,070	16,445,090	103,020	710
10/26/99	16,445,090	16,601,710	156,620	710
10/27/99	16,601,710	16,692,400	90,690	NA
10/28/99	16,692,400	16,780,970	88,570	430
10/29/99	16,780,970	16,848,550	67,580	NA
10/30/99 Saturday	Plant Closed	Plant Closed	0	0

Total Gallons Discharged this Month: 2,363,970

October 1999
Settleable Solids

Date	Settleable Solids (ml/l)
10/01/99	0.0
10/2/99 Saturday	0.0
10/04/99	0.0
10/05/99	0.0
10/06/99	0.0
10/07/99	0.0
10/08/99	0.0
10/9/1999 Saturday	0.0
10/11/99	Plant Closed
10/12/99	0.0
10/13/99	0.0
10/14/99	0.0
10/15/99	0.0
10/16/99 Saturday	0.0

Date	Settleable Solids (ml/l)
10/18/99	0.0
10/19/99	Plant Closed
10/20/99	0.0
10/21/99	0.0
10/22/99	0.0
10/23/99 Saturday	0.0
10/25/99	0.0
10/26/99	0.0
10/27/99	0.0
10/28/99	0.0
10/29/99	0.0
10/30/99 Saturday	Plant Closed

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
Flow Rate and Totalization Monitoring - November 1999

Date	Beginning Totalizer	Ending Totalizer	Total Gallons Discharged	Instantaneous Flow Rate (gpm)
11/01/99	16,848,550	16,897,340	48,790	NA
11/02/99	Plant Closed	Plant Closed	0	0
11/03/99	Plant Closed	Plant Closed	0	0
11/04/99	Plant Closed	Plant Closed	0	0
11/05/99	16,897,340	17,000,720	103,380	760
11/08/99	17,000,720	17,078,500	77,780	320
11/09/99	17,078,500	17,234,050	155,550	590
11/10/99	Plant Closed	Plant Closed	0	0
11/11/99	17,234,050	17,313,200	79,150	620
11/12/99	17,313,200	17,423,090	109,890	640
11/13/99 Saturday	17,423,090	17,481,120	58,030	580
11/15/99	17,481,120	17,553,170	72,050	650
11/16/99	17,553,170	17,616,370	63,200	450

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
Flow Rate and Totalization Monitoring - November 1999

Date	Beginning Totalizer	Ending Totalizer	Total Gallons Discharged	Instantaneous Flow Rate (gpm)
11/17/99	17,616,370	17,700,520	84,150	580
11/18/99	17,700,520	17,756,950	56,430	650
11/19/99	17,756,950	17,955,830	198,880	470
11/20/99 Saturday	17,955,830	18,084,080	128,250	520
11/21/99 Sunday	18,084,080	18,211,490	127,410	570
11/22/99	18,211,490	18,388,380	176,890	460
11/23/99	18,388,380	18,470,830	82,450	390
11/24/99	18,470,830	18,522,000	51,170	420
11/25/99	Plant Closed	Holiday	0	0
11/26/99	Plant Closed	Holiday	0	0
11/29/99	18,522,000	18,604,350	82,350	NA
11/30/99	18,604,350	18,637,940	33,590	350

Total Gallons Discharged this Month: 1,789,390

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
November 1999
Settleable Solids

Date	Settleable Solids (ml/l)
11/01/99	0.0
11/02/99	Plant Closed
11/03/99	Plant Closed
11/04/99	Plant Closed
11/05/99	0.0
11/08/99	0.0
11/09/99	0.0
11/10/99	Plant Closed
11/11/99	0.0
11/12/99	0.0
11/13/99 Saturday	0.0

Date	Settleable Solids (ml/l)
11/15/99	0.0
11/16/99	0.0
11/17/99	<0.1
11/18/99	<0.1
11/19/99	<0.1
11/20/99 Saturday	4.5 Water processing halted to flush sand filters
11/21/99 Sunday	<0.1
11/22/99	<0.1
11/23/99	<0.1
11/24/99	<0.1
11/25/99	Plant Closed
11/26/99 Saturday	Plant Closed
11/29/99	<0.1
11/30/99	0.1

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
Flow Rate and Totalization Monitoring - December 1999

Date	Beginning Totalizer	Ending Totalizer	Total Gallons Discharged	Instantaneous Flow Rate (gpm)
12/01/99	18,637,940	18,644,880	6,940	320
12/02/99	18,644,880	18,701,940	57,060	480
12/03/99	18,701,940	18,797,050	95,110	380
12/4/99 Saturday	18,797,050	18,965,670	168,620	420
12/5/99 Sunday	18,965,670	19,195,770	230,100	450
12/06/99	19,195,770	19,224,220	28,450	480
12/07/99	19,224,220	19,336,330	112,110	480
12/08/99	19,336,330	19,465,430	129,100	560
12/09/99	19,465,430	19,547,430	82,000	105
12/10/99	19,547,430	19,614,150	66,720	320
12/11/99 Saturday	19,614,150	19,678,460	64,310	430
12/13/99	19,678,460	19,775,330	96,870	NR

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
Flow Rate and Totalization Monitoring - December 1999

Date	Beginning Totalizer	Ending Totalizer	Total Gallons Discharged	Instantaneous Flow Rate (gpm)
12/14/99	19,775,330	19,826,680	51,350	420
12/15/99	19,826,680	19,916,660	89,980	400
12/16/99	19,916,660	19,948,700	32,040	440
12/17/99	19,948,700	19,980,920	32,220	NR

Total Gallons Discharged this Month: 1,342,980

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
December 1999
Settleable Solids

Date	Settleable Solids (ml/l)
12/01/99	<0.1
12/02/99	<0.1
12/03/99	<0.1
12/04/99 Saturday	0.0
12/05/99 Sunday	0.0
12/06/99	0.0
12/07/99	0.0
12/08/99	<0.1
12/09/99	0.0
12/10/99	0.0
12/11/99 Saturday	0.0

Date	Settleable Solids (ml/l)
12/13/99	0.0
12/14/99	0.0
12/15/99	<0.1
12/16/99	<0.1
12/17/99	<0.1

CONSTRUCTION CERTIFICATION REPORT

DZUS FASTENER SITE (OU2)

APPENDIX C

WASTE CLASSIFICATION/DISPOSAL DATA

CONSTRUCTION CERTIFICATION REPORT

DZUS FASTENER SITE (OU2)

APPENDIX C

WASTE CLASSIFICATION/DISPOSAL DATA

LAKE CAPRI/LAGOON

PS – Filter Cake/Stockpile Analytical Data

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
FILTER PRESS CAKE ANALYTICAL SAMPLING

Manifest #	Chain of Custody #	ERM Sample ID	Date Collected	Date Analyzed	Time Collected	Sample Type	Sampled By	% Moisture	% Solids	Total Cadmium QC/QA (ppm)	TCLP Cadmium QC/QA (ppm)	Notes
PS-001	I 5804-1	LC Pilot	08/05/99	08/07/99	20:10	Comp	JW	60.1%	39.9%	188	0.22	
PS-002	I 5805-1	HC Pilot	08/06/99	08/09/99	12:05	Comp	JW	58.1%	41.9%	213	0.14	
PS-003	I 5078-1	PS-003-Cake	08/11/99	08/12/99	9:00	Comp	JW	54.5%	45.5%	Not Run	Not Run	
PS-004	I 5078-5	PS-004-Cake	08/11/99	08/12/99	16:45	Comp	JW	51.6 %	48.4 %	Not Run	Not Run	
PS-005	I 5080-3	PS-005-Cake	08/12/99	08/13/99	15:40	Comp	JW	50.1 %	49.9 %	155	Not Run	
PS-006	I 5081-3	PS-006-Cake	08/13/99	08/13/99	13:25	Comp	JW	44.1 %	55.9 %	149	Not Run	
END OF WEEK												
PS-007	I 7012-1	PS-007-Cake	08/18/99	08/20/99	18:00	Comp	JW	59.0%	41.0%	193	Not Run	
END OF WEEK												
PS-008	I 5981-1	PS-008-Cake	08/23/99	08/28/99	11:50	Comp	JW	57.6 %	42.4 %	249	Not Run	Total Cd revised 11/19/99 Original: 588 ppm
PS-009	I 5981-2	PS-009-Cake	08/23/99	08/28/99	17:00	Comp	JW	56.9 %	43.1 %	196	Not Run	Total Cd revised 11/19/99 Original: 394 ppm
PS-010	I 5982-1	PS-010-Cake	08/25/99	08/30/99	13:15	Comp	JW	63.1 %	36.9 %	205	Not Run	
PS-011	I 5982-2	PS-011-Cake	08/26/99	08/30/99	10:30	Comp	JW	55.8 %	44.2 %	184	Not Run	
PS-012	I 5982-3	PS-012-Cake	08/26/99	08/30/99	12:10	Comp	JW	52.2 %	47.8 %	198	Not Run	

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
FILTER PRESS CAKE ANALYTICAL SAMPLING

Manifest #	Chain of Custody #	ERM Sample ID	Date Collected	Date Analyzed	Time Collected	Sample Type	Sampled By	% Moisture	% Solids	Total Cadmium QC/QA (ppm)	TCLP Cadmium QC/QA (ppm)	Notes
PS-013	I 5983-3	PS-013-Cake	08/26/99	08/30/99	20:40	Comp	JW	62.9 %	37.1 %	216	Not Run	
PS-014	I 5983-4	PS-014-Cake	08/27/99	08/30/99	8:45	Comp	JW	58.1 %	41.9 %	219	Not Run	
PS-015	I 5984-1	PS-015-Cake	08/27/99	09/01/99	13:00	Comp	JW	57.7 %	42.3 %	231	Not Run	
PS-016	I 5984-2	PS-016-Cake	08/27/99	09/01/99	14:50	Comp	JW	19.6 %	80.4 %	123	Not Run	
PS-017	I 5984-5	PS-017-Cake	08/27/99	09/01/99	18:40	Comp	JW	65.3 %	34.7 %	233	Not Run	
PS-018	I 5984-6	PS-018-Cake	08/27/99	09/01/99	20:00	Comp	JW	54.8 %	45.2 %	184	Not Run	
PS-019	I 7014-4	PS-019-Cake	08/28/99	09/10/99	13:45	Comp	JW	56.4 %	43.6 %	192	Not Run	
PS-020	I 7014-5	PS-020-Cake	08/28/99	09/10/99	16:00	Comp	JW	53.8 %	46.2 %	193	Not Run	
PS-021	I 7014-6	PS-021-Cake	08/28/99	09/10/99	16:00	Comp	JW	62.1 %	37.9 %	202	Not Run	
END OF WEEK												
PS-022	I 7014-7	PS-022-Cake	08/30/99	09/10/99	9:45	Comp	JW	53.0 %	47.0%	203	Not Run	
PS-023	I 7021-11	PS-023-Cake	08/30/99	09/02/99	17:15	Comp	JW	59.8%	40.2%	208	Not Run	
PS-024	I 7021-12	PS-024-Cake	08/30/99	09/02/99	18:00	Comp	JW	57.7%	42.3%	195	Not Run	
PS-025	I 7020-1	PS-025-Cake	08/31/99	09/02/99	10:40	Comp	JW/GD	53.6%	46.4%	227	Not Run	

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
FILTER PRESS CAKE ANALYTICAL SAMPLING

Manifest #	Chain of Custody #	ERM Sample ID	Date Collected	Date Analyzed	Time Collected	Sample Type	Sampled By	% Moisture	% Solids	Total Cadmium QC/QA (ppm)	TCLP Cadmium QC/QA (ppm)	Notes
PS-026	I 7022-4	PS-026-Cake	08/31/99	09/15/99 09/16/99	18:45	Comp	JW/GD	57.1 % 42.9%	42.9 %	216	0.24	
PS-027	I 7022-5	PS-027-Cake	09/01/99	09/15/99 09/16/99	9:00	Comp	JW/GD	53.0 %	47.0 %	206	0.094	
PS-028	I 7022-6	PS-028-Cake	09/01/99	09/15/99 09/16/99	11:30	Comp	JW/GD	57.7 %	42.3 %	217	0.25	
PS-029	I 7022-7	PS-029-Cake	09/01/99	09/15/99 09/16/99	15:51	Comp	JW/GD	53.7 %	46.3 %	229	0.057	
PS-030	I 7022-8	PS-030-Cake	09/01/99	09/15/99 09/16/99	15:25	Comp	JW/GD	53.8 %	46.1 %	211	1.83	Data questionable/unusable sampling/handling issue
PS-031	I 7022-11	PS-031-Cake	09/02/99	09/15/99 09/16/99	8:55	Comp	JW/GD	54.0 %	46.0 %	226	1.45	"
PS-032	I 7108-4	PS-032-Cake	09/02/99	09/11/99	12:25	Comp	JW/GD	49.9%	50.1%	230	3.13	"
PS-033-034 END OF WEEK	I 7130-1	PS-033-034-Cake	09/03/99	09/10/99	8:35	Comp	GD	54.7 %	45.3 %	213	1.18	"

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
FILTER PRESS CAKE ANALYTICAL SAMPLING

Manifest #	Chain of Custody #	ERM Sample ID	Date Collected	Date Analyzed	Time Collected	Sample Type	Sampled By	% Moisture	% Solids	Total Cadmium QC/QA (ppm)	TCLP Cadmium QC/QA (ppm)	Notes
PS-035-037	I 7023-1	PS-035-037-Cake	09/07/99	09/11/99	9:00	Comp	JW	58.6%	41.4%	218	0.32	
PS-038-039	I 7118-3	PS-038-039-Cake	09/08/99	09/15/99 09/16/99	13:45	Comp	JW	58.7%	41.3%	215	0.19	
PS-040	I 7118-5	PS-040-Cake	09/09/99	09/15/99 09/16/99	8:30	Comp	JW	66.4%	33.6%	210	0.16	
PS-041	I 7026-1	PS-041-Cake	09/11/99	09/17/99 09/14/99	7:45	Comp	JW	46.6%	53.4%	534	0.93	
END OF WEEK												
PS-042-044	I 7026-4	PS-042-044-Cake	09/13/99	09/17/99 09/14/99	8:15	Comp	JW	44.1%	55.9%	170	0.10	
	I 7115-1&2											cancelled, see I 7398
	I 7398	PS-COMP-01-11										see attached sheet
PS-045-046		PS-045-046-Cake			14:00							
PS-047-048	I 7398-11	PS-047-048-Cake	09/14/99	09/16/99 09/17/99	7:45	Comp	JW	64.3%	35.7%	109	0.28	
END OF WEEK												
PS-049-051	I 5068-1	PS-049-051-Cake	09/21/99	09/22/99	13:00	Comp	JW	62.6%	37.4%	125	0.22	
PS-052-053	I 7117-1	092099-PS-01	09/20/99	09/22/99	17:10	Comp	JW	62.0%	38.0%	106	0.21	
PS-054	I 9822-1	PS-092199-SP-02	09/21/99	09/23/99	17:30	Comp	JW	64.3%	35.7%	106	0.067	11/19/99 Revised % moisture/solid Reversed values
	I 9824-1	PS-092299-SP-03	09/23/99	09/24/99 09/25/99	7:45	Comp	JW	61.1%	38.9%	177	0.20	
	I 9826-1	PS-092399-SP-04	09/23/99	09/25/99	17:10	Comp	JW	63.0%	37.0%	179	0.23	
	I 9829-1	PS-092399-SP-05	09/24/99	09/25/99	10:20	Comp	JW	62.2%	37.8%	157	0.24	

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
FILTER PRESS CAKE ANALYTICAL SAMPLING

Manifest #	Chain of Custody #	ERM Sample ID	Date Collected	Date Analyzed	Time Collected	Sample Type	Sampled By	% Moisture	% Solids	Total Cadmium QC/QA (ppm)	TCLP Cadmium QC/QA (ppm)	Notes
	I 9830-1	PS-092499-SP-06	09/25/99	09/25/99 09/27/99	10:15	Comp	JW	61.8%	38.2%	146	0.19	
END OF WEEK												
	I 9831-1	PS-092799-SP-07	09/27/99	09/29/99	15:30	Comp	JW	57.4%	42.6%	160	0.19	Total Cd revised 11/19/99 Original: 148 ppm
	I 9833-1	PS-092899-SP-08	09/28/99	09/29/99 09/30/99	16:00	Comp	JW	59.8%	40.2%	168	0.25	Total Cd revised 11/19/99 Original: 161 ppm
	I 9834-1	PS-092999-SP-09	09/29/99	09/29/99 10/01/99	8:00	Comp	JW	58.7%	41.3%	156	0.11	Total Cd revised 11/19/99 Original: 164 ppm
	I 9837-1	PS-092999-SP-10	09/30/99	10/04/99 10/02/99	9:15	Comp	JW	54.7%	45.3%	141	0.23	
	I 9839-1	PS-093099-SP-11	09/30/99	10/02/99	12:15	Comp	JW	61.2%	38.8%	192	0.24	
	I 9840-1	PS-093099-SP-12	09/30/99	10/02/99	17:30	Comp	JW	58.5%	41.5%	253	0.31	
	I 9840-2	PS-093099-SP-13	10/01/99	10/02/99	9:00	Comp	JW	61.2%	38.8%	237	0.26	
	I 9841-1	PS-100199-SP-14	10/01/99	10/02/99	11:30	Comp	JW	64.4%	35.6%	266	0.32	
	I 9842-1	PS-100199-SP-15	10/02/99	10/05/99	9:45	Comp	JW	64.1%	35.9%	206	0.66	
	I 9842-2	PS-100199-SP-16	10/02/99	10/05/99	9:15	Comp	JW	63.7%	36.3%	204	0.46	
END OF WEEK												
	I 9844-1	PS-100299-SP-17	10/04/99	10/06/99	8:45	Comp	JW	58.6%	41.4%	187	0.27	
	I 9844-2	PS-100299-SP-18	10/04/99	10/06/99	9:05	Comp	JW	60.1%	39.9%	177	0.31	
	I 9845-1	PS-100499-SP-19	10/04/99	10/06/99	16:00	Comp	JW	59.0%	41.0%	194	0.40	
	I 9846-1	PS-100499-SP-20	10/05/99	10/06/99	8:50	Comp	JW	58.1%	41.9%	173	0.32	
	I 9847-1	PS-100599-SP-21	10/05/99	10/06/99	13:15	Comp	JW	63.6%	36.4%	181	0.21	
	I 9848-1	PS-100599-SP-22	10/06/99	10/06/99	8:15	Comp	JW	60.0%	40.0%	175	0.19	
	I 9850-1	PS-100699-SP-23	10/06/99	10/06/99	12:15	Comp	JW	59.1%	40.9%	144	0.11	

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
FILTER PRESS CAKE ANALYTICAL SAMPLING

Manifest #	Chain of Custody #	ERM Sample ID	Date Collected	Date Analyzed	Time Collected	Sample Type	Sampled By	% Moisture	% Solids	Total Cadmium QC/QA (ppm)	TCLP Cadmium QC/QA (ppm)	Notes
	I 5070-1	PS-100699-SP-24	10/07/99	10/11/99	9:30	Comp	JW	60.8%	39.2%	160	0.19	
	I 5070-2	PS-100799-SP-25	10/07/99	10/11/99	10:00	Comp	JW	63.8%	36.2%	190	0.19	
	I 5159-1	PS-100799-SP-26	10/08/99	10/12/99	9:30	Comp	JW	62.7%	37.3%	189	0.18	
END OF WEEK												
	I 5161-1	PS-100999-SP-27	10/11/99	10/12/99	8:20	Comp	GD	55.6	44.4%	168	0.19	
END OF WEEK												
	I 5167-1	PS-101699-SP-28	10/18/99	10/19/99	9:30	Comp	JW	59.7%	40.3%	113	0.11	
	I 5246-1	PS-102099-SP-29	10/20/99	10/22/99	14:15	Comp	JW	55.3%	44.7%	135	0.17	
	I 5248-1	PS-102199-SP-30	10/21/99	10/25/99	16:10	Comp	JW	60.5%	39.5%	156	0.26	
	I 5249-1	PS-102299-SP-31	10/23/99	10/25/99	9:00	Comp	JW	57.6%	42.4%	161	0.23	
END OF WEEK												
	I 5251-1	PS-102399-SP-32	10/25/99	10/27/99	8:25	Comp	JW	60.6%	39.4%	160	0.030	U Not Detected
	I 5255-1	PS-102699-SP-33	10/27/99	10/28&29/99	11:00	Comp	JW	65.9%	34.1%	150	1.08	Lab to re-check notes
				11/2-3/99	11:00	Comp	JW	56.9%	43.1%	109	0.31	Archive sample submitted
	I 5255-2	PS-102699-SP-34	10/27/99	10/28&29/99	13:30	Comp	JW	59.0%	41.0%	109	0.030	U Not Detected
	I 5259-1	PS-102899-SP-35	10/28/99	10/29&11/1/99	11:20	Comp	JW	59.9%	40.1%	99.3	0.60	
	I 7120-1	PS-102899-SP-36	10/29/99	11/1-3/99	12:30	Comp	JW	41.6%	58.4%	79.3	0.33	
END OF WEEK												
	I 7120-2	PS-102999-SP-37	11/01/99	11/1-3/99	10:00	Comp	JW	54.0%	46.0%	73.4	0.25	
	I 7120-3	PS-103099-SP-38	11/01/99	11/1-3/99	10:35	Comp	JW	48.9%	51.1%	76.8	0.42	
END OF WEEK												
	I 7125-1	PS110899SP39 11899-Cake-Box 109&116	11/08/99	11/9-10/99	11:30	Comp	JW	53.6%	46.4%	123	0.24	Material stored in rolloffs
	I 7128-1	PS-110999-SP-40	11/09/99	11/10&12/99	15:20	Comp	JW	56.3%	43.7%	118	0.25	
	J 3410-1	PS-111199-SP-41	11/11/99	11/18/99	16:05	Comp	JW	51.3%	48.7%	102	0.23	

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
FILTER PRESS CAKE ANALYTICAL SAMPLING

Manifest #	Chain of Custody #	ERM Sample ID	Date Collected	Date Analyzed	Time Collected	Sample Type	Sampled By	% Moisture	% Solids	Total Cadmium QC/QA (ppm)	TCLP Cadmium QC/QA (ppm)	Notes
	J 3413-1	PS-111299-SP-42	11/13/99	11/17-18/99	9:45	Comp	JW	58.9%	41.1%	123	0.20	
END OF WEEK												
	J 3417-1	PS111299SP43	11/15/99	11/17-18/99	16:15	Comp	JW	62.3%	37.7%	131	0.18	
	J 3418-1	PS111599SP44	11/16/99	11/17-18/99	9:30	Comp	JW	61.4%	38.6%	114	0.036	
	J 3422-1	PS111699SP45	11/18/99	11/18&21/99	10:00	Comp	JW	56.4%	43.6%	62.1	0.13	
	J 3425-1	PS111899SP46	11/18/99	11/21-22/99	11:25	Comp	JW	77.5%	22.5%	114	0.089	
	J 3429-1	PS111999SP47	11/20/99	11/21-22/99	9:50	Comp	JW	77.5%	22.5%	151	0.013	J Detected below MDL
	J 3431-1	PS112099SP48	11/21/99	11/22&30/99	10:15	Comp	JW	56.5%	43.5%	152	0.15	
END OF WEEK												
	J 3435-1	PS112299SP49	11/22/99	11/22&30/99	15:55	Comp	JW	61.8%	38.2%	144	0.50	
	J 3935-1	PS112499SP50	11/24/99	11/27&30/99	9:30	Comp	GD	57.1%	42.9%	146	0.20	
END OF WEEK												
	J 3938-1	PS112999SP51	11/29/99	1/29&12/2-4/9	14:30	Comp	JW	59.0%	41.0%	170	0.066	
	J 3941-1	PS113099SP52	11/30/99	12/1-2/99	12:55	Comp	JW	58.2%	41.8%	186	0.16	
	J 3942-1	PS120199SP53	12/02/99	12/3-4/99	12:45	Comp	JW	56.5%	43.5%	158	0.091	
	J 3945-1	PS120299SP54	12/03/99	12/4-6/1999	10:30	Comp	JW	56.1%	43.9%	131	0.19	
	J 3949-1	PS120399SP55	12/04/99	12/6-7/1999	12:45	Comp	JW	55.7%	44.3%	136	0.27	
	J 3951-1	PS120499SP56	12/05/99	12/6-7/1999	11:45	Comp	JW	55.1%	44.9%	117	0.26	
END OF WEEK												
	J 3954-1	PS120599SP57	12/06/99	12/6-8/1999	13:35	Comp	JW	53.3%	46.7%	100	0.25	
	J 3955-1	PS120799SP58	12/07/99	12/08/99	10:35	Comp	JW	57.7%	42.3%	130	0.092	
	J 3957-1	PS120799SP59	12/08/99	12/9-14/99	9:15	Comp	JW	57.2%	42.8%	142	0.16	
	J 3960-1	PS120899SP60	12/09/99	12/10-13/99	9:15	Comp	JW	59.5%	40.5%	167	0.43	

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
FILTER PRESS CAKE ANALYTICAL SAMPLING

Manifest #	Chain of Custody #	ERM Sample ID	Date Collected	Date Analyzed	Time Collected	Sample Type	Sampled By	% Moisture	% Solids	Total Cadmium QC/QA (ppm)	TCLP Cadmium QC/QA (ppm)	Notes
	J 3961-1	PS120999SP61	12/09/99	12/10-15/99	13:20	Comp	JW	59.0%	41.0%	155	0.34	Revised 12/15/99 Orig. reported as 0.31 ppm
	J 3963-1	PS120999SP62	12/10/99	12/13-14/99	8:45	Comp	JW	58.4%	41.6%	149	0.11	Revised 12/15/99 Orig. Total reported as 147 pp
	J 3967-1	PS121099SP63	12/11/99	12/13-14/99	10:30	Comp	JW	57.8%	42.2%	126	0.35	Orig. TCLP reported as 0.10 ppm
END OF WEEK												
	J 3970-1	PS121399SP64	12/13/99	12/14-15/99	11:35	Comp	JW	54.2%	45.8%	147	0.30	
	J 4617-1	PS121399SP65	12/14/99	12/14-16/99	8:30	Comp	JW	63.6%	36.4%	208	0.17	
END OF PROJECT												

CONSTRUCTION CERTIFICATION REPORT

DZUS FASTENER SITE (OU2)

APPENDIX C

WASTE CLASSIFICATION/DISPOSAL DATA

LAKE CAPRI/LAGOON

NP – Sand & Gravel Analytical Data

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
NON PRESSED SOLIDS / PROCESSED SAND, STONE AND GRAVEL

Manifest #	Chain of Custody #	ERM Sample ID	Date Collected	Time Collected	Sample Type	Sampled By	Analytical Results	Analysis	Notes
NP-003	I 7011-1	NP-003	8/16/99	16:10	Comp	JW	18.7 ppm	Cd total	Sediment from Mix Tanks
NP-008	I 7013-4	NP-008	8/19/99		Comp	JW	5.54 ppm	Cd total	
end of week									
NP-010	I 5982-4	NP-010	8/26/99	12:50	Comp	JW	2.64 ppm	Cd total	
NP-011	I 5983-1	NP-011	8/26/99	21:20	Comp	JW	4.93 ppm	Cd total	Processed Sand
NP-012	I 5983-2	NP-012	8/27/99	10:15	Comp	JW	129 ppm	Cd total	Processed Stone/Gravel
NP-013	I 5984-3	NP-013	8/27/99	18:15	Comp	JW	2.73 ppm	Cd total	Processed Sand
NP-014	I 5984-4	NP-014	8/27/99	18:30	Comp	JW	3.60 ppm	Cd total	Processed Sand
NP-016	I 7014-1	NP-016	8/28/99	13:15	Comp	JW	183 ppm	Cd total	Processed Stone/Gravel
NP-017	I 7014-2	NP-017	8/28/99	18:20	Comp	JW	8.98 ppm	Cd total	Processed Stone/Gravel
NP-018	I 7014-3	NP-018	8/28/99	19:50	Comp	JW	2.12 ppm	Cd total	Processed Sand
end of week									
NP-019	I 7021-8	NP-019	8/30/99	21:00	Comp	JW/GD	4.96 ppm	Cd total	Processed Sand
NP-020	I 7021-9	NP-020	8/30/99	21:30	Comp	JW/GD	1.87 ppm	Cd total	Processed Stone/Gravel
NP-021	I 7021-10	NP-021	8/30/99	22:00	Comp	JW/GD	2.60 ppm	Cd total	Processed Sand
NP-022	I 7022-3	NP-022	8/31/99	12:15	Comp	JW/GD	6.21 ppm .072 ppm	Cd total TCLP Cd	Processed Sand
NP-023	I 7022-1	NP-023	8/31/99	20:00	Comp	JW/GD	2.08 ppm .017 ppm	Cd total TCLP Cd	Processed Stone/Gravel

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
NON PRESSED SOLIDS / PROCESSED SAND, STONE AND GRAVEL

Manifest #	Chain of Custody #	ERM Sample ID	Date Collected	Time Collected	Sample Type	Sampled By	Analytical Results	Analysis	Notes
NP-024	I 7022-2	NP-024	8/31/99	21:10	Comp	JW/GD	5.93 ppm	Cd total	Processed Sand
							.038 ppm	TCLP Cd	
NP-025	I 7022-9	NP-025	9/1/99	13:20	Comp	JW/GD	6.23 ppm	Cd total	Processed Sand
							.11 ppm	TCLP Cd	
NP-026	I 7022-10	NP-026	9/1/99	20:00	Comp	JW/GD	338 ppm	Cd total	Processed Sand
							.23 ppm	TCLP Cd	
NP-027	I 7108-5	NP-027	9/2/99	12:50	Comp	JW/GD	2.3 ppm	Cd total	Processed Sand
NP-028-032	I 7130-2	NP-028-032-Gravel	9/3/99	10:05	Comp	GD	1.92 ppm	Cd total	Processed Stone/Gravel
NP-028-032	I 7130-3	NP-028-032-Sand	9/3/99	10:08	Comp	GD	5.18 ppm	Cd total	Processed Sand
end of week									
NP-033-036	I 7023-2	NP-033-036-Sand	9/7/99	9:00	Comp	JW	2.56 ppm	Cd total	Processed Sand
NP-033-036	I 7023-3	NP-033-036-Gravel	9/7/99	9:05	Comp	JW	0.71 ppm	Cd total	Processed Stone/Gravel
NP-037-040	I 7118-1	NP-037-040-Sand	9/8/99	9:10	Comp	JW	11.6 ppm	Cd total	Processed Sand
NP-037-040	I 7118-2	NP-037-040-Gravel	9/8/99	9:10	Comp	JW	.50 ppm	Cd total	Processed Stone/Gravel
NP-041	I 7118-4	NP-041-Sand	9/9/99	8:15	Comp	JW	2.60 ppm	Cd total	Processed Sand
NP-042-047	I 7024-1	NP-042-047-Sand	9/10/99	8:00	Comp	JW	3.46 ppm	Cd total	Processed Sand
NP-042-047	I 7024-2	NP-042-047-Gravel	9/10/99	8:00	Comp	JW	.43 ppm	Cd total	Processed Stone/Gravel
end of week									
NP-049-052	I 7026-2	NP-049-052-Sand	9/13/99	8:00	Comp	JW	2.36 ppm	Cd total	Processed Sand
NP-049-052	I 7026-3	NP-049-052-Gravel	9/13/99	8:10	Comp	JW	37.3 ppm	Cd total	Proc. Gravel/Wood Chips
end of week									
NP-053-056	I 9823-1	NP-053-056-Gravel	9/22/99	8:30	Comp	JW	16.9 ppm	Cd total	Processed Stone/Gravel

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
NON PRESSED SOLIDS / PROCESSED SAND, STONE AND GRAVEL

Manifest #	Chain of Custody #	ERM Sample ID	Date Collected	Time Collected	Sample Type	Sampled By	Analytical Results	Analysis	Notes
NP-053-059	I 9823-2	NP-053-059-Sand	9/22/99	8:45	Comp	JW	1.50 ppm	Cd total	Processed Sand
NP-065-081	I 9828-1	NP-065-081-Sand	9/24/99	9:30	Comp	JW	1.50 ppm	Cd total	Processed Sand
NP-065-081	I 9828-2	NP-065-081-Gravel	9/24/99	9:35	Comp	JW	2.12 ppm	Cd total	Processed Stone/Gravel
end of week									
NP-082-100	I 9843-1	NP-082-100-Sand	10/2/99	11:30	Comp	JW	2.53 ppm	Cd total	Processed Sand
NP-082-100	I 9843-2	NP-082-100-Gravel	10/2/99	11:35	Comp	JW	46.6 ppm	Cd total	Processed Stone/Gravel
end of week									
NP-101-121	I 5158-1	NP-101-121-Sand	10/8/99	8:30	Comp	JW	1.70 ppm	Cd total	Processed Sand
NP-101-121	I 5158-2	NP-101-121-Gravel	10/8/99	8:45	Comp	JW	1.19 ppm	Cd total	Processed Stone/Gravel
NP-122-136	I 5166-1	NP-122-136-Sand	10/15/99	9:40	Comp	JW	0.16 ppm	Cd total	Processed Sand
NP-122-136	I 5166-2	NP-122-136-Gravel	10/15/99	9:50	Comp	JW	0.10 ppm	Cd total	Processed Stone/Gravel
end of week									
NP-137-159	I 5250-1	NP-137-159	10/23/99	9:15	Comp	JW	3.22 ppm	Cd total	Processed Sand/Stone/Gravel
end of week									
NP-160-175	I 7119-1	NP-160-175	10/29/99	8:50	Comp	JW	1.29 ppm	Cd total	Processed Sand/Stone/Gravel
end of week									
NP-176-187	I 7124-1	NP-176-187	11/6/99	10:25	Comp	JW	2.61 ppm	Cd total	Processed Sand/Stone/Gravel
end of week									

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
NON PRESSED SOLIDS / PROCESSED SAND, STONE AND GRAVEL

Manifest #	Chain of Custody #	ERM Sample ID	Date Collected	Time Collected	Sample Type	Sampled By	Analytical Results	Analysis	Notes
NP-188-207	J 3412-1	NP-188-207	11/13/99	8:10	Comp	JW	2.81 ppm	Cd total	Processed Sand/Stone/Gravel
end of week									
NP-208-246	J 3432-1	NP-208-246	11/21/99	10:35	Comp	JW	2.05 ppm	Cd total	Processed Sand/Stone/Gravel
end of week									
NP-247-288	J 3450-1	NP-247-288	12/4/99	12:00	Comp	JW	1.14 ppm	Cd total	Processed Sand/Stone/Gravel
end of week									
NP-289-331	J 3968-1	NP-289-331	12/11/99	11:35	Comp	JW	1.01 ppm	Cd total	Processed Sand/Stone/Gravel
end of week									
NP-332-346	J 4622-1	NP-332-346	12/17/99	9:45	Comp	JW	3.84	Cd total	Processed Sand/Stone/Gravel
END OF PROJECT									

CONSTRUCTION CERTIFICATION REPORT

DZUS FASTENER SITE (OU2)

APPENDIX D

POST DREDGING/EXCAVATION DATA

CONSTRUCTION CERTIFICATION REPORT

DZUS FASTENER SITE (OU2)

APPENDIX D

POST DREDGING/EXCAVATION DATA

WILLETTS CREEK ANALYTICAL DATA SUMMARY

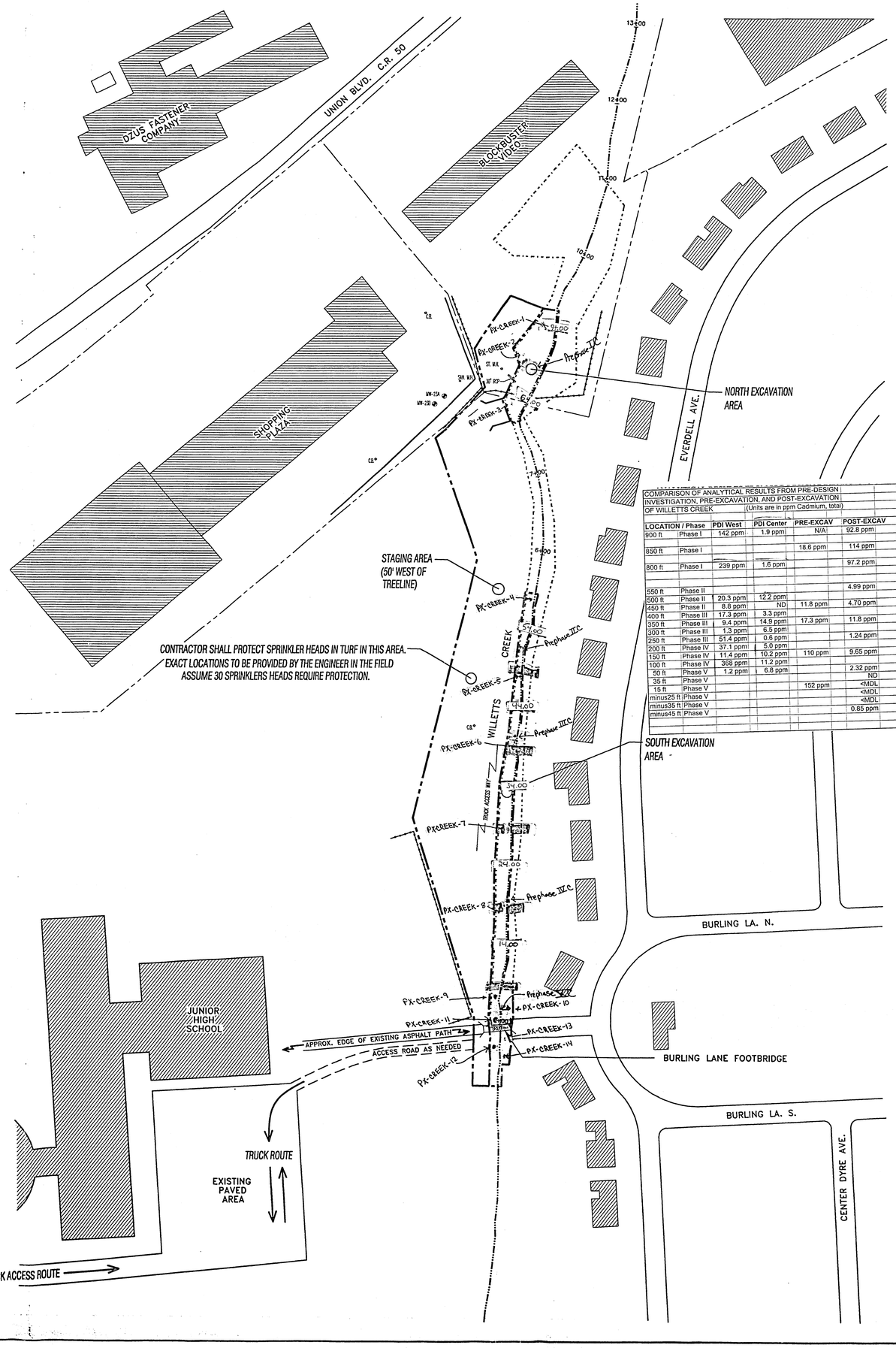
DZUS Fastener Site
NYSDEC Site ID Number 1-52-033

COMPARISON OF ANALYTICAL RESULTS FROM PRE-DESIGN INVESTIGATION, PRE-EXCAVATION, AND POST-EXCAVATION OF WILLETTS CREEK

Location (In Feet)	PDI West	PDI Centerline	Pre-Excavation	Post-Excavation
900	142 ppm	1.9 ppm		92.8 ppm
850			18.6 ppm	114.0 ppm
800	239 ppm	1.6 ppm		97.2 ppm
550				4.99 ppm
500	20.3 ppm	12.2 ppm		
450	8.8 ppm	ND	11.8 ppm	4.70 ppm
400	17.3 ppm	3.3 ppm		
350	9.4 ppm	14.9 ppm	17.3 ppm	11.8 ppm
300	1.3 ppm	6.5 ppm		
250	51.4 ppm	0.6 ppm		1.24 ppm
200	37.1 ppm	5.0 ppm		
150	11.4 ppm	10.2 ppm	110 ppm	9.65 ppm
100	368 ppm	11.2 ppm		
50	1.2 ppm	6.8 ppm		2.32 ppm, ND*
00	37.6 ppm	9.7 ppm	152 ppm	<MDL*
-50				

* These samples were not taken exactly at 50 ft north of bridge, but within 15 - 35 feet north of bridge.

NOTE: The analytical results was the basis for decision to encapsulate per detail "Willets Creek Backfill Detail".



COMPARISON OF ANALYTICAL RESULTS FROM PRE-DESIGN INVESTIGATION, PRE-EXCAVATION, AND POST-EXCAVATION OF WILLETTS CREEK (Units are in ppm Cadmium, total)							
LOCATION / Phase		PDI West	PDI Center	PRE-EXCAV	POST-EXCAV	CHECK
900 ft	Phase I	142 ppm	1.9 ppm		N/A	92.8 ppm	66.0 ppm @ 1ft
							63.7 ppm @ 2ft
850 ft	Phase I			18.6 ppm	114 ppm	15.8 ppm @ 1ft
							33.8 ppm @ 2ft
800 ft	Phase I	239 ppm	1.6 ppm		97.2 ppm	183 ppm @ 1ft
							40.8 ppm @ 2ft
550 ft	Phase II					4.99 ppm	
500 ft	Phase II	20.3 ppm	12.2 ppm				
450 ft	Phase II	8.8 ppm	ND	11.8 ppm	4.70 ppm	
400 ft	Phase III	17.3 ppm	3.3 ppm				
350 ft	Phase III	9.4 ppm	14.9 ppm	17.3 ppm	11.8 ppm	
300 ft	Phase III	1.3 ppm	6.5 ppm				
250 ft	Phase III	51.4 ppm	0.6 ppm		1.24 ppm	
200 ft	Phase IV	37.1 ppm	5.0 ppm				
150 ft	Phase IV	11.4 ppm	10.2 ppm	110 ppm	9.65 ppm	
100 ft	Phase IV	368 ppm	11.2 ppm				
50 ft	Phase V	1.2 ppm	6.8 ppm		2.32 ppm	
35 ft	Phase V				ND		
15 ft	Phase V			152 ppm	<MDL		
minus25 ft	Phase V				<MDL		
minus35 ft	Phase V				0.85 ppm		
minus45 ft	Phase V						

N

0' 60' 120'

SCALE

NOTE:

THIS MAP WAS COMPILED IN PART FROM, "TOPOGRAPHIC MAP SEWAGE WORKS STUDIES, FIVE WESTERN TOWNS, SUFFOLK COUNTY, N.Y.," SHEETS S-7 AND S-8, COMPILED JULY 1964 BY BOWE, ALBERTSON & ASSOCIATES ENGINEERS, NEW YORK CITY.

LEGEND

- APPROXIMATE CENTERLINE OF CREEK BED
- PROPERTY LINE / RIGHT-OF-WAY LINE
- EDGE OF ROADWAY
- FENCE LINE
- EXCAVATION AREA BOUNDARY
- PROJECT BOUNDARY
- APPROXIMATE WETLAND BOUNDARY
- TREES
- SHRUBS
- BUILDINGS STRUCTURES

Pre-Design Investigation

Post ex

Pre ex

NOTES:

1. CONTRACTOR SHALL:
   - INSTALL TEMP. ACCESS ROAD AS NEEDED, AND RESTORE AREA AS NEEDED
   - CLEAR BRUSH AND TREES LESS THAN 6" DIAMETER TO ACCESS THE CREEK BED
   - PREVENT DAMAGE TO OTHER TREES
   - PREVENT DISTURBANCE OF ALL NON-EXCAVATION AREAS
   - RESTORE AND RESEED ALL AFFECTED WORK AREAS. AFTER EXCAVATION, CREEK BED REMAINS WITHOUT SEEDING AND WITHOUT BACKFILLING.
   - PROTECT SPRINKLER HEADS AND SPRINKLER LINES
   - CONTROL STREAM FLOW TO PROTECT WORK AREA

DZUS FASTENER SITE (OU2)
REMOVAL AND DISPOSAL CONTRACT
WEST ISLIP, NEW YORK
NYSDEC SITE No. 1-52-033

DATE: JAN. 1999
PROJECT NO: 202563
FILENAME: 563-04
SHEET NO: 4
DRAWING NO: 563-04

SITE LAYOUT & CONSTRUCTION LIMITS
(WILLETTS CREEK)

Rust Environment & Infrastructure Inc.

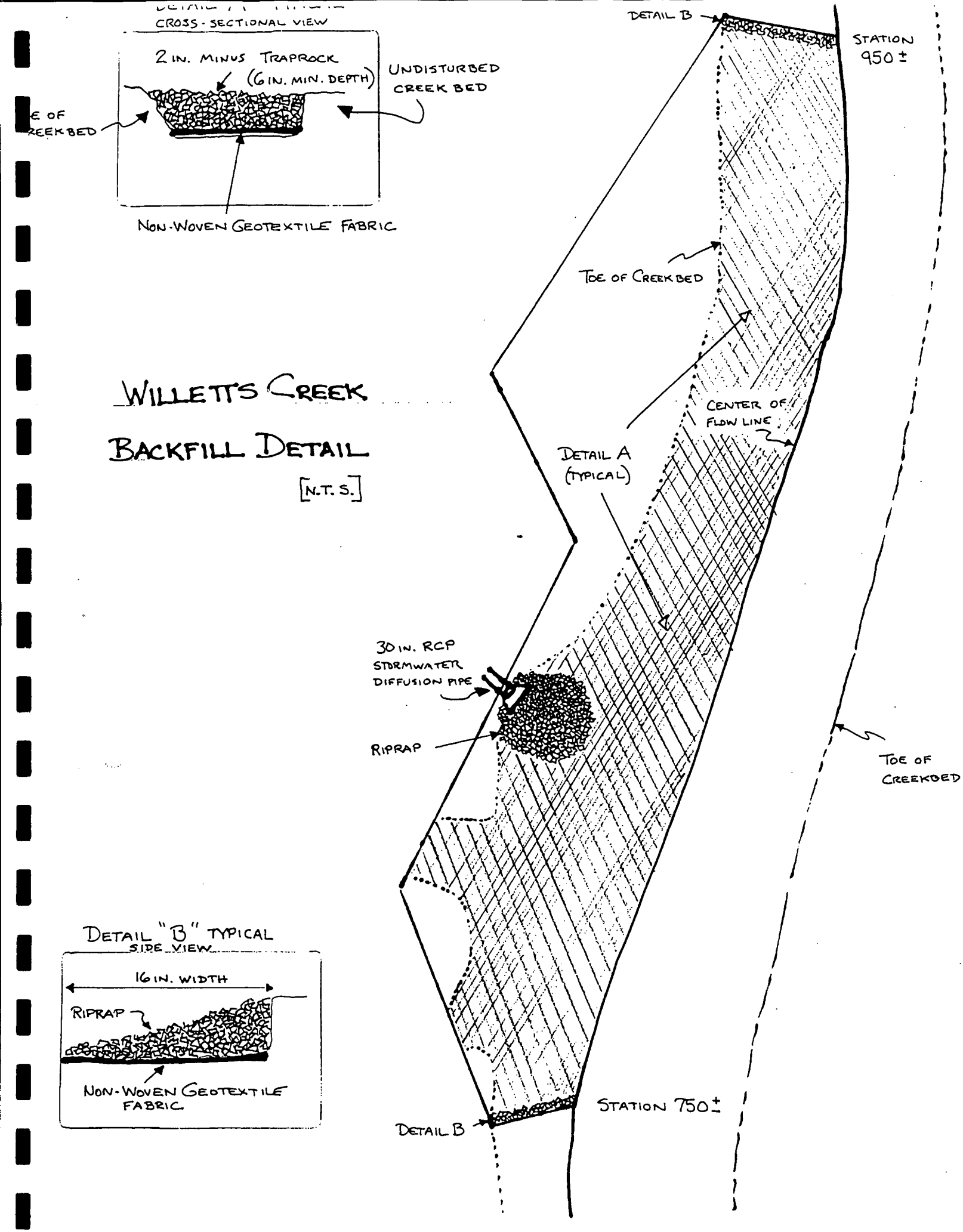
STATE OF NEW YORK — NOWAK — 13454 — LICENSED PROFESSIONAL ENGINEER

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ALBANY, N.Y.

REVISIONS	DRN	CHK	DATE
DRN	-	-	-
DES	-	-	-
CHK	-	-	-
APP	-	-	-

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WILLETT'S CREEK

BACKFILL DETAIL

[N.T.S.]

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 516-249-1456 Fax - 516-249-8344

8/26/99

ANALYSIS REPORT - Cadmium

Sample: I5801-1
Client Sample ID: PX-Creek-01
Matrix: Soil
Remarks:

Type: Composite

Collected: 8/3/99 11.10
% Solids: 78.5%

Analyzed: 8/4/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.38	92.8	

Sample: I5801-2
Client Sample ID: PX-Creek-02
Matrix: Soil
Remarks:

Type: Composite

Collected: 8/3/99 11.25
% Solids: 74.1%

Analyzed: 8/4/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.41	114	

Sample: I5801-3
Client Sample ID: PX-Creek-03
Matrix: Soil
Remarks:

Type: Composite

Collected: 8/3/99 11.40
% Solids: 79.2%

Analyzed: 8/4/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.38	97.2	

Sample: I5801-4
Client Sample ID: PX-Creek-04
Matrix: Soil
Remarks:

Type: Composite

Collected: 8/3/99 12.00
% Solids: 77.9%

Analyzed: 8/4/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.38	4.99	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 516-249-1456 Fax - 516-249-8344

8/5/99

ANALYSIS REPORT - Cadmium

Sample: I5803-1
Client Sample ID: PX-Creek-05
Matrix: Soil
Remarks: See case narrative

Type: Composite

Collected: 8/4/99 11.45
% Solids: 78.5%

Analyzed: 8/5/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.38	4.70	

Sample: I5803-2
Client Sample ID: PX-Creek-06
Matrix: Soil
Remarks: See case narrative

Type: Composite

Collected: 8/4/99 12.00
% Solids: 77.5%

Analyzed: 8/5/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.39	11.6	

Sample: I5803-3
Client Sample ID: PX-Creek-07
Matrix: Soil
Remarks: See case narrative

Type: Composite

Collected: 8/4/99 12.20
% Solids: 80.4%

Analyzed: 8/5/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.37	1.24	

Sample: I5803-4
Client Sample ID: PX-Creek-08
Matrix: Soil
Remarks: See case narrative

Type: Composite

Collected: 8/4/99 12.40
% Solids: 78.8%

Analyzed: 8/5/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.38	9.65	

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AUG 0 5 1999

I5803-

EARTH TECH

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 516-249-1456 Fax - 516-249-8344

ANALYSIS REPORT Cadmium 8/5/99

Sample: I5803-5
Client Sample ID: PX-Creek-09
Matrix: Soil
Remarks: See case narrative

Type: Composite

Collected: 8/4/99 14.15
% Solids: 86.0%

Analyzed: 8/5/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.36	2.32	

Sample: I5803-6
Client Sample ID: PX-Creek-10
Matrix: Soil
Remarks: See case narrative

Type: Composite

Collected: 8/4/99 14.25
% Solids: 79.2%

Analyzed: 8/5/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.38	0.38	U

Sample: I5803-7
Client Sample ID: PX-Creek-11
Matrix: Soil
Remarks: See case narrative

Type: Composite

Collected: 8/4/99 14.35
% Solids: 85.4%

Analyzed: 8/5/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.35	0.12	J

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EARTH TECH

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 516-249-1456 Fax - 516-249-8344

8/6/99

ANALYSIS REPORT - Cadmium

Sample: I5802-1
Client Sample ID: PX-Creek-14
Matrix: Soil
Remarks:

Type: Composite

Collected: 8/4/99 17.00
% Solids: 81.8%

Analyzed: 8/6/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.37	0.85	

Sample: I5802-2
Client Sample ID: PX-Creek-13
Matrix: Soil
Remarks:

Type: Composite

Collected: 8/4/99 17.10
% Solids: 80.6%

Analyzed: 8/6/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.37	0.37	U

Sample: I5802-3
Client Sample ID: PX-Creek-12
Matrix: Soil
Remarks:

Type: Composite

Collected: 8/4/99 17.20
% Solids: 73.4%

Analyzed: 8/6/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.41	0.14	J

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EARTH TECH

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 516-249-1456 Fax - 516-249-8344

8/11/99

ANALYSIS REPORT - Cadmium

Sample: I5076-2
Client Sample ID: PX-Creek-15
Matrix: Soil
Type: Grab
Collected: 8/6/99 14.50
% Solids: 83.3%
Remarks:

Analyzed: 8/10/99
Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.36	51.1	

Sample: I5076-3
Client Sample ID: PX-Creek-16
Matrix: Soil
Type: Grab
Collected: 8/6/99 15.00
% Solids: 84.7%
Remarks:

Analyzed: 8/10/99
Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.35	91.3	

Sample: I5076-4
Client Sample ID: PX-Creek-17
Matrix: Soil
Type: Grab
Collected: 8/6/99 15.25
% Solids: 83.2%
Remarks:

Analyzed: 8/10/99
Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.36	49.9	

Sample: I5076-5
Client Sample ID: PX-Creek-18
Matrix: Soil
Type: Grab
Collected: 8/6/99 15.40
% Solids: 84.6%
Remarks:

Analyzed: 8/10/99
Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.35	79.7	

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ANALYSIS REPORT - Cadmium

8/11/99

Sample: I5076-6
Client Sample ID: PX-Creek-19
Matrix: Soil
Remarks:

Type: Grab

Collected: 8/6/99 16.05
% Solids: 75.5%

Analyzed: 8/10/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.40	84.0	

Sample: I5076-7
Client Sample ID: PX-Creek-20
Matrix: Soil
Remarks:

Type: Grab

Collected: 8/6/99 16.15
% Solids: 83.6%

Analyzed: 8/10/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.36	112	

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EARTH TECH
12 METRO PARK

ALBANY NY 12205
TOM ZGRODNIK

Task Number: 9908-00096
Customer No.: 018220
Project No.: A80129
Purchase Order #: LAKE CAPRI
Report Date: 8/10/99

Sampling Information - 7:00 - 9:00 Northern Region CREEK - Post Exc. CREEK

Project Location: LAKE CAPRI
Sampled By: CORRIGAN
Date Received: 8/09/99

	Test Performed	Method	Results	Units	Tech	Analy. Date
001	PX-CREEK 15 @ 1Ft			Sample Date 8/06/1999 Time: 14:50		
	Matrix: Soil			Collection Method: Composite		
	Cadmium, solid	ICP, SW-846 6010	66.0	mg/Kg	JMR	8/10/99
	ICP/Flame Solid Digestion	EPA Method 3050	Complete		JMR	8/10/99
	Percent Solids		90.3	%	JH	8/10/99
002	PX-CREEK 16 @ 2Ft			Sample Date 8/06/1999 Time: 15:00		
	Matrix: Soil			Collection Method: Composite		
	Cadmium, solid	ICP, SW-846 6010	63.7	mg/Kg	JMR	8/10/99
	ICP/Flame Solid Digestion	EPA Method 3050	Complete		JMR	8/10/99
	Percent Solids		90.5	%	JH	8/10/99
003	PX-CREEK 17 @ 1Ft			Sample Date 8/06/1999 Time: 15:25		
	Matrix: Soil			Collection Method: Composite		
	Cadmium, solid	ICP, SW-846 6010	15.8	mg/Kg	JMR	8/10/99
	ICP/Flame Solid Digestion	EPA Method 3050	Complete		JMR	8/10/99
	Percent Solids		84.0	%	JH	8/10/99
004	PX-CREEK 18 @ 2Ft			Sample Date 8/06/1999 Time: 15:40		
	Matrix: Soil			Collection Method: Composite		
	Cadmium, solid	ICP, SW-846 6010	33.8	mg/Kg	JMR	8/10/99
	ICP/Flame Solid Digestion	EPA Method 3050	Complete		JMR	8/10/99
	Percent Solids		87.5	%	JH	8/10/99
005	PX-CREEK 19 @ 1Ft			Sample Date 8/06/1999 Time: 16:05		
	Matrix: Soil			Collection Method: Composite		
	Cadmium, solid	ICP, SW-846 6010	183	mg/Kg	JMR	8/10/99
	ICP/Flame Solid Digestion	EPA Method 3050	Complete		JMR	8/10/99
	Percent Solids		83.0	%	JH	8/10/99
006	PX-CREEK 20 @ 2Ft			Sample Date 8/06/1999 Time: 16:15		
	Matrix: Soil			Collection Method: Composite		
	Cadmium, solid	ICP, SW-846 6010	40.8	mg/Kg	JMR	8/10/99
	ICP/Flame Solid Digestion	EPA Method 3050	Complete		JMR	8/10/99
	Percent Solids		87.0	%	JH	8/10/99

----- Continued on Next Page -----

CONSTRUCTION CERTIFICATION REPORT

DZUS FASTENER SITE (OU2)

APPENDIX D

POST DREDGING/EXCAVATON DATA

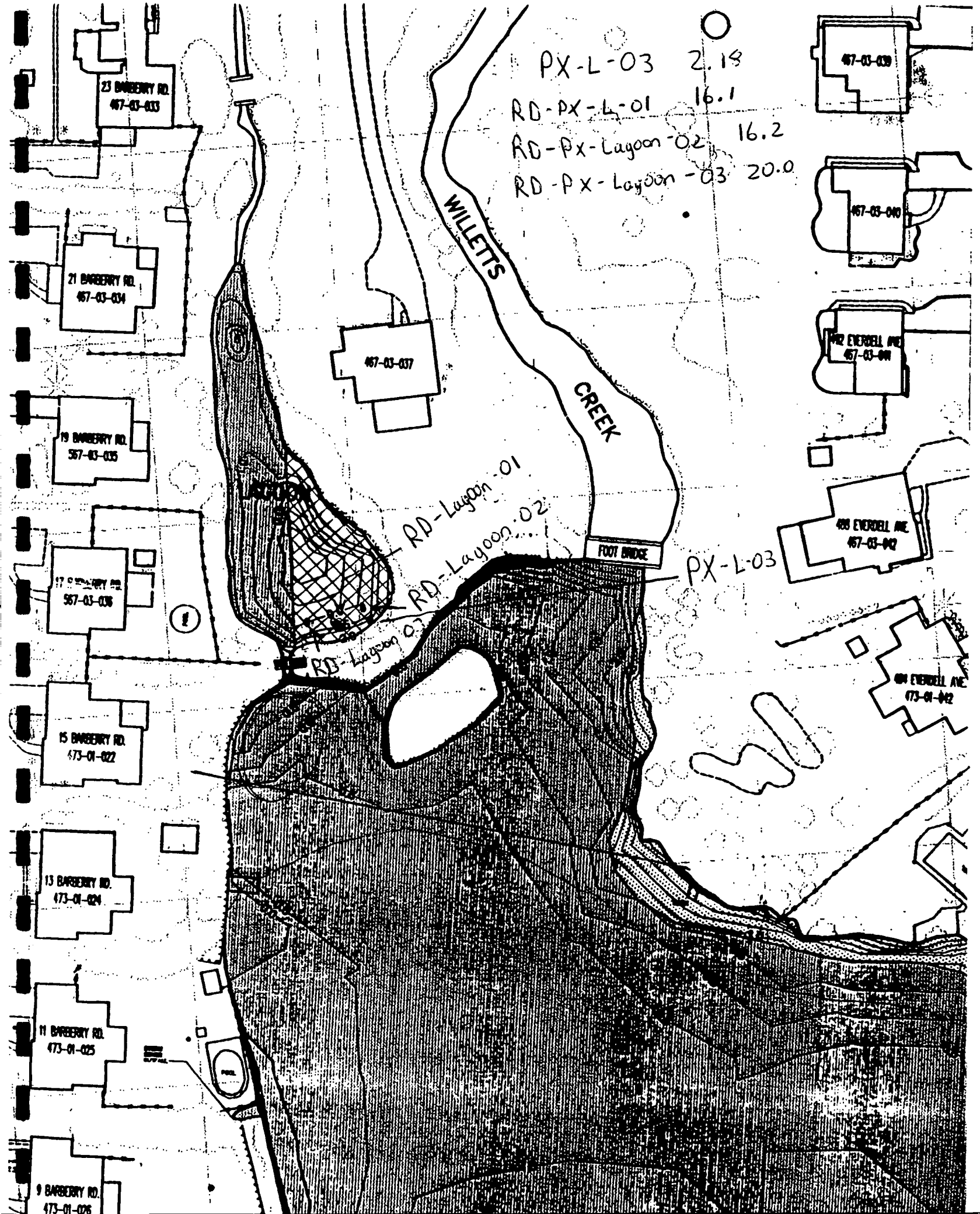
LAGOON ANALYTICAL DATA SUMMARY

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
POST- EXCAVATION SAMPLING REQUIREMENTS

NORTH LAGOON AREA

POST EXCAVATION SAMPLES

ID#	Collection Date	Collected By	Collection Time	Analytical Results		Comments
PX-L-01	07/20/99	JShn	1455 hrs.	<0.5 ppm Cd total		
PX-L-02	07/22/99	JShn	1400 hrs.	0.42 ppm		
PX-L-03	07/22/99	JShn	1415 hrs	2.18 ppm		
				11.7 ppm	(SciLab)	split check
RD-PX-L-01	07/28/99	JShn	1515 hrs	16.1 ppm		post redredge
				6.5 ppm	(SciLab)	split check
RD-PX-L-02	08/03/99	Jwolf	1540 hrs	18.2 ppm		6ft under H20
				12.7 ppm	(SciLab)	
RD-PX-L-03	08/03/99	Jwolf	1550 hrs	20.0 ppm		8ft under H20
				24.3 ppm	(SciLab)	
RD-PX-L-04	09/10/99	Jwolf	1330 hrs	50.5 ppm		
RD-PX-L-05	09/10/99	Jwolf	1340 hrs	131 ppm		
RD-PX-L-06	09/10/99	Jwolf	1350 hrs	1.14 ppm		
RD-PX-L-07	09/10/99	Jwolf	0400 hrs	0.30 ppm		
RD-PX-L-08	09/13/99	Jwolf	1500 hrs	0.17 ppm		
				2.3 ppm	(SciLab)	
RD-PX-L-09	09/13/99	Jwolf	1515 hrs	0.23 ppm		
				0.93 ppm	(SciLab)	


PX-L-03 2.13
RD-PX-L-01 16.1
RD-PX-Lagoon-02 16.2
RD-PX-Lagoon-03 20.0
WILLETTS
CREEK
FOOT BRIDGE
RD-Lagoon-01
RD-Lagoon-02
RD-Lagoon-03
PX-L-03
23 BARBERRY RD. 467-03-033
21 BARBERRY RD. 467-03-034
19 BARBERRY RD. 567-03-035
15 BARBERRY RD. 473-01-022
13 BARBERRY RD. 473-01-024
11 BARBERRY RD. 473-01-025
9 BARBERRY RD. 473-01-026
467-03-037
467-03-039
467-03-040
492 EVERDELL AVE 467-03-041
488 EVERDELL AVE 467-03-042
484 EVERDELL AVE 473-01-042

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7/23/99

ANALYSIS REPORT - Cadmium

Sample: I5071-1
Client Sample ID: PX-LAGOON-2
Matrix: Soil
Remarks:

Type: Composite

Collected: 7/22/99 14.00
% Solids: 71.4%

Analyzed: 7/23/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.42	0.42	

Sample: I5071-2
Client Sample ID: PX-LAGOON-3
Matrix: Soil
Remarks:

Type: Composite

Collected: 7/22/99 14.15
% Solids: 82.6%

Analyzed: 7/23/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.36	2.18	

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ANALYSIS REPORT - Cadmium

7/30/99

Sample: I4995-5
Client Sample ID: PX-LAKE-05
Matrix: Soil
Remarks:

Type: Composite

Collected: 7/28/99 13.35
% Solids: 91.5%

Analyzed: 7/30/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.33	0.98	

Sample: I4995-6
Client Sample ID: PX-LAKE-06
Matrix: Soil
Remarks:

Type: Composite

Collected: 7/28/99 13.55
% Solids: 85.2%

Analyzed: 7/30/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.35	0.70	

Sample: I4995-7
Client Sample ID: RD-PX-LAGOON-01
Matrix: Soil
Remarks:

Type: Composite

Collected: 7/28/99 15.15
% Solids: 78.7%

Analyzed: 7/30/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.38	16.1	

Sample: I4995-8
Client Sample ID: PX-LAKE-07
Matrix: Soil
Remarks:

Type: Composite

Collected: 7/28/99 15.30
% Solids: 89.9%

Analyzed: 7/30/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.33	0.89	

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8/26/99

ANALYSIS REPORT - Cadmium

Sample: I5801-5
Client Sample ID: RD-PX-Lagoon-02 Collected: 8/3/99 15.40
Matrix: Soil Type: Composite % Solids: 58.7%
Remarks:

Analyzed: 8/4/99 Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.51	16.2	

Sample: I5801-6
Client Sample ID: RD-PX-Lagoon-03 Collected: 8/3/99 15.50
Matrix: Soil Type: Composite % Solids: 57.2%
Remarks:

Analyzed: 8/4/99 Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.52	20.0	

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Phone - 516-249-1456 Fax - 516-249-8344

9/11/99

Sample: I7307-1
Client Sample ID: RD-PX-Lagoon-04
Matrix: Soil
Remarks:

Type: Composite

Collected: 9/10/99 13.30
% Solids: 33.4%

Analyzed: 9/11/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.90	50.5	

Sample: I7307-2
Client Sample ID: RD-PX-Lagoon-05
Matrix: Soil
Remarks:

Type: Composite

Collected: 9/10/99 13.40
% Solids: 18.3%

Analyzed: 9/11/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	1.64	131	

Sample: I7307-3
Client Sample ID: RD-PX-Lagoon-06
Matrix: Soil
Remarks

Type: Composite

Collected: 9/10/99 13.50
% Solids: 70.5%

Analyzed: 9/11/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.43	1.14	

Sample: I7307-4
Client Sample ID: RD-PX-Lagoon-07
Matrix: Soil
Remarks:

Type: Composite

Collected: 9/10/99 14.00
% Solids: 65.8%

Analyzed: 9/11/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.46	0.30	J

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9/15/99

ANALYSIS REPORT - Total Cadmium

Sample: I7113-1
Client Sample ID: RD-RX-Lagoon-08
Matrix: Soil
Remarks:

Type: Composite

Collected: 9/13/99 15.00
% Solids: 71.8%

Analyzed: 9/14/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.42	0.17	J

Sample: I7113-2
Client Sample ID: RD-PX-Lagoon-09
Matrix: Soil
Remarks:

Type: Composite

Collected: 9/13/99 15.15
% Solids: 70 1%

Analyzed: 9/14/99

Units: ppm

CAS No	Analyte	MDL	Concentration	Q
7440-43-9	Cadmium	0.43	0.23	J

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PRELIMINARY REPORT

EARTH TECH
12 METRO PARK

ALBANY NY 12205
Brett Mongillo

Task Number: 9909-00170
Customer No.: 018220
Project No.: A80129
Purchase Order #: 32419-10-601
Report Date: 0/00/00

Sampling Information
Project Location: LAKE CAPRI W. ISLIP NY
Sampled By: ZGRODNIK

Date Received: 9/14/99

Test Performed	Method	Results	Units	Tech	Analy. Date
001 RD-PX-LAGOON 08			Sample Date 9/13/1999 Time: 14:30		
Matrix: Soil			Collection Method: Grab		
Cadmium, solid	ICP, SW-846 6010	2.3	mg/Kg	JMR	9/15/99
ICP/Flame Solid Digestion	EPA Method 3050	Complete		JMR	9/14/99
Percent Solids			%		
002 RD-PX-LAGOON 09			Sample Date 9/13/1999 Time: 14:45		
Matrix: Soil			Collection Method: Grab		
Cadmium, solid	ICP, SW-846 6010	0.93	mg/Kg	JMR	9/15/99
ICP/Flame Solid Digestion	EPA Method 3050	Complete		JMR	9/14/99
Percent Solids			%		

Authorized for Release: _____
David O'Hehir, Laboratory Director

NYS ELAP:10358 MA DEP:NY052 CT DEP:PH-0551 NJ DEP:73581

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EARTH TECH
12 METRO PARK

ALBANY NY 12205
BRETT MONGILLO

Task Number: 9908-00019
Customer No.: 018220
Project No.: A80129
Purchase Order #: 32419-10-601
Report Date: 0/00/00

Sampling Information

Project Location: W. ISLIP (LAKE CAPRI)
Sampled By: sheehan

Date Received: 8/03/99

	Test Performed	Method	Results	Units	Tech	Analy. Date
001	RD-PX-LAGOON-01			Sample Date 7/28/1999 Time: 15:15		
	Matrix: Soil			Collection Method: Grab		
	Cadmium, solid	ICP, SW-846 6010	6.5	mg/Kg	JMR	8/03/99
	ICP/Flame Solid Digestion	EPA Method 3050	Complete		JMR	8/03/99
	Percent Solids			%		
002	PX-LAGOON-03			Sample Date 7/28/1999 Time: 14:15		
	Matrix: Soil			Collection Method: Grab		
	Cadmium, solid	ICP, SW-846 6010	11.7	mg/Kg	JMR	8/03/99
	ICP/Flame Solid Digestion	EPA Method 3050	Complete		JMR	8/03/99
	Percent Solids			%		
003	PX-LAGOON-04			Sample Date 7/28/1999 Time: 12:45		
	Matrix: Soil			Collection Method: Grab		
	Cadmium, solid	ICP, SW-846 6010	8.6	mg/Kg	JMR	8/03/99
	ICP/Flame Solid Digestion	EPA Method 3050	Complete		JMR	8/03/99
	Percent Solids			%		

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EARTH TECH
12 METRO PARK

ALBANY NY 12205
TOM ZGRODNIK

Task Number 9908-00096
Customer No. 018220
Project No. A80129
Purchase Order # LAKE CAPRI
Report Date 8/10/99

Sampling Information

Project Location: LAKE CAPRI
Sampled By: CORRIGAN

Date Received 8/09/99

Test Performed	Method	Results	Units	Tech	Analy. Date
007 HC-PILOT TEST 01 (FP CAKE)			Sample Date 8/06/1999 Time: 12:05		
Matrix: Soil			Collection Method: Composite		
Cadmium, solid	ICP, SW-846 6010	261	mg/Kg	JMR	8/10/99
ICP/Flame Solid Digestion	EPA Method 3050	Complete		JMR	8/10/99
Percent Solids		39.0	%	JH	8/10/99
008 RD-PX-LAGOON 02			Sample Date 8/03/1999 Time: 15:40		
Matrix: Soil			Collection Method: Composite		
Cadmium, solid	ICP, SW-846 6010	12.7	mg/Kg	JMR	8/10/99
ICP/Flame Solid Digestion	EPA Method 3050	Complete		JMR	8/10/99
Percent Solids		78.4	%	JH	8/10/99
009 RD-PX-LAGOON 03			Sample Date 8/03/1999 Time: 15:50		
Matrix: Soil			Collection Method: Composite		
Cadmium, solid	ICP, SW-846 6010	24.3	mg/Kg	JMR	8/10/99
ICP/Flame Solid Digestion	EPA Method 3050	Complete		JMR	8/10/99
Percent Solids		56.3	%	JH	8/10/99

Authorized for Release: _____
David O'Hehir, Laboratory Director

NYS ELAP:10358 MA DEP:NY052 CT DEP:PH-0551 NJ DEP:73581

CONSTRUCTION CERTIFICATION REPORT

DZUS FASTENER SITE (OU2)

APPENDIX D

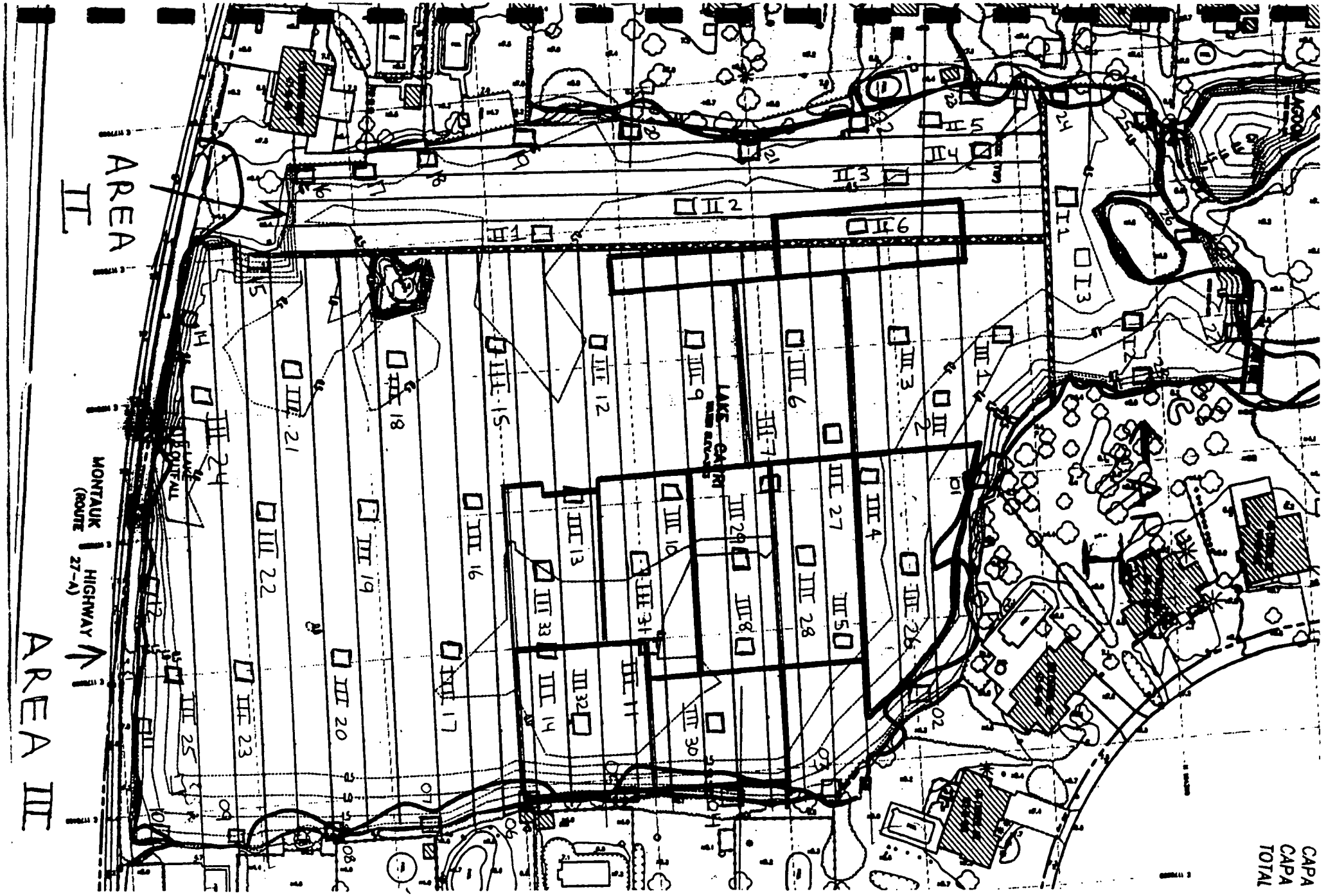
POST DREDGING/EXCAVATION DATA

LAKE CAPRI ANALYTICAL DATA SUMMARY

Lake

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
SHORELINE POST-EXCAVATION SAMPLES - Total Cd (ppm)

PX	Dry	Wet	Wet + 4hr	QA/QC
1	1.02	0.41		
2	0.71	0.70		
3	0.11	0.45		
4	9.96	0.17		
4d	1.13			
4s	8.60			
5	0.98	0.55		
6	0.70	1.13		
7	0.89	1.56		1.30
8	1.98		2.07	
9	NA		1.59	0.90
10	NA	1.73		
11	NA	61.20	3.37	
12	NA	0.47	6.47	
13	NA		1.77	
14	NA			
15	NA			
16	NA			
17	NA			
18	NA	1.43		0.80
19	NA	0.29		
20	NA	0.62		
21	NA	0.74	0.86	0.70
22	NA	0.25	0.70	
23	NA	0.82	0.22	<0.1
24	NA	2.45		
25	NA	0.18		
26	NA			
27	NA	0.31		
28	NA	1.00		



Shoreline Samples: PX-Shoreline-01 → PX-Shoreline-28

Lake Samples: PX-Lake-I-1

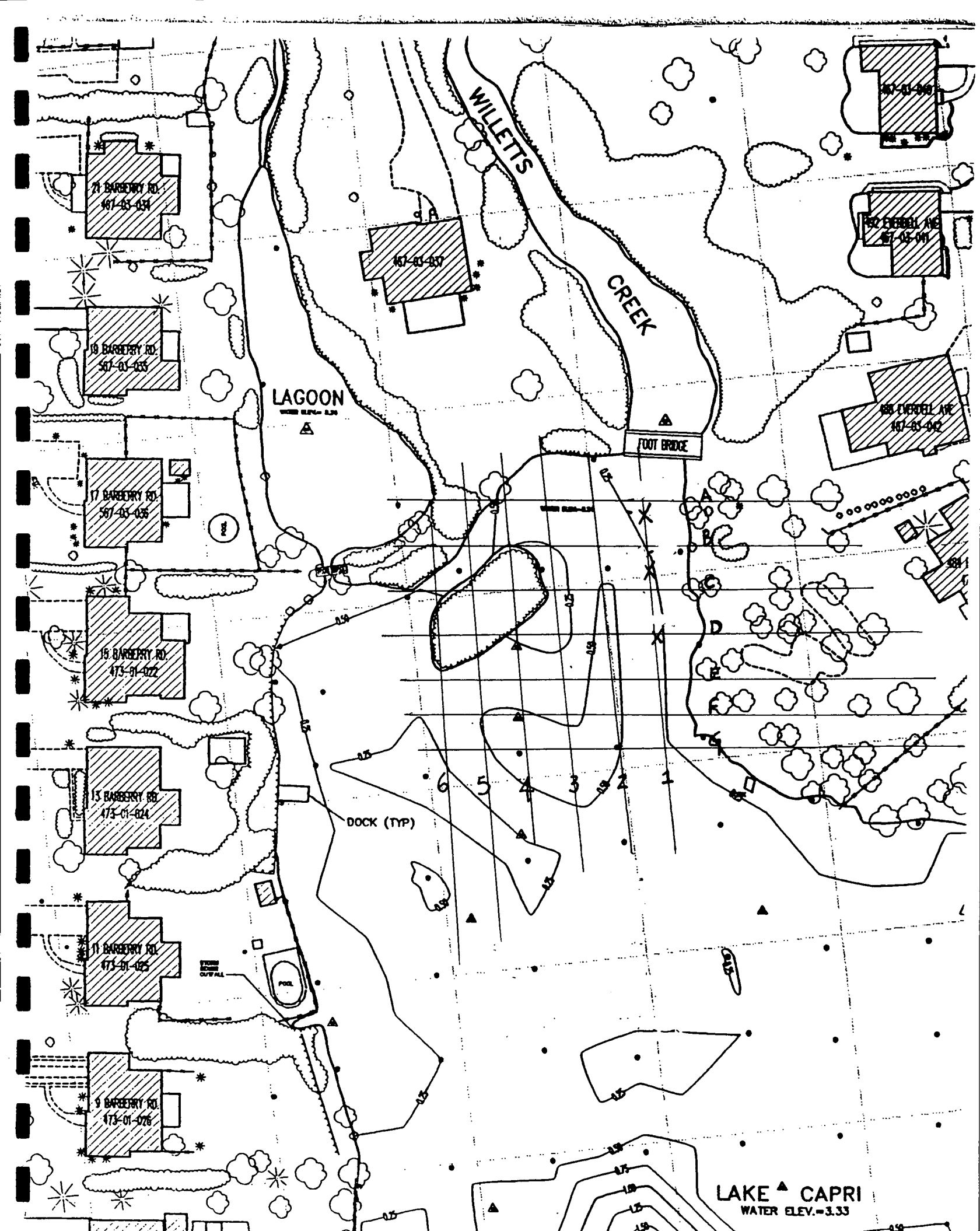
Area ↑ ↑ Sample #

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
ANALYTICAL RESULTS FOR NORTHEAST COVE AREA

GRID LOCATION	*AT GRADE*	*12 in < GRADE*	*30 in < GRADE*
A1	0.12 ppm	<MDL	
B1			
C1	37.8 ppm	0.4 ppm	3.7 ppm
D1			
E1	11.5 ppm	0.7 ppm	
F1		0.3 ppm	
G1			
A2			
B2	12.4 ppm	1.2 ppm	73 ppm
C2			6.5 ppm
D2	24.1 ppm	11.0 ppm	1.0 ppm /1.7 ppm
E2			
F2	5.96 ppm	0.1 ppm	<MDL
G2			
A3	28.6 ppm	1.1 ppm	
B3			
C3	10.3 ppm	2.7 ppm	
D3			
E3	44.9 ppm		0.20 ppm
F3		3.9 ppm	
G3	31.0 ppm		
A4			
B4			
C4			
D4			
E4			0.70 ppm
F4			

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033
ANALYTICAL RESULTS FOR NORTHEAST COVE AREA

GRID LOCATION	*AT GRADE*	*12 in < GRADE*	*30 in < GRADE*
G4			
A5			
B5			
C5			
D5			
E5			
F5	135 ppm	0.1 ppm	
G5			
A6			
B6			
C6			
D6			
E6			
F6			
G6	1.0 ppm /4.0 ppm		
A7			
B7			
C7			
D7			
E7			
F7			
G7			
A8			
B8			
C8			
D8			
E8			


WILLETTS
CREEK
LAGOON
FOOT BRIDGE
DOCK (TYP)
21 BARBERRY RD.
467-03-034
19 BARBERRY RD.
467-03-035
17 BARBERRY RD.
467-03-036
15 BARBERRY RD.
473-01-022
13 BARBERRY RD.
473-01-024
11 BARBERRY RD.
473-01-025
9 BARBERRY RD.
473-01-026
467-03-037
467-03-040
462 EWBELL AVE.
467-03-041
468 EWBELL AVE.
467-03-042
A
B
C
D
E
F
6
5
4
3
2
1
LAKE CAPRI
WATER ELEV.=3.33

DZUS Fastener Site
NYSDEC Site ID Number 1-52-033

POST EXCAVATION (TOTAL CADMIUM) LABORATORY ANALYTICAL RESULTS

Chain of Custody #	ERM Sample ID	Date Collected	Date Analyzed	Date Data Received	Date Cat B Package Received	Earth Tech Analytical Results (ppm)	ERM/BWE Analytical Results (ppm)	Notes
COVE								
I 7116-1	Dup 091799	09/17/99	09/18/99	09/20/99	10/15/99		34.8	
I 7116-2	PX-Cove-A1	09/17/99	09/18/99	09/20/99	10/15/99		0.13	J - Concentration detected below MDL
I 5258-1	PX-Cove-A1-RD	10/28/99	10/29/99	10/29/99	12/08/99		0.44	J - Concentration detected below MDL Revised 12/2/99 Orig. reported as 0.34 ppm U
I 7116-3	PX-Cove-C1	09/17/99	09/18/99	09/20/99	10/15/99		37.8	
I 5258-2	PX-Cove-C1-RD	10/28/99	10/29/99	10/29/99	12/08/99		2.71	
I 7116-4	PX-Cove-E1	09/17/99	09/18/99	09/20/99	10/15/99		11.5	
I 5258-3	PX-Cove-E1-RD	10/28/99	10/29/99	10/29/99	12/08/99		2.01	
I 7116-9	PX-Cove-B2	09/17/99	09/18/99	09/20/99	10/15/99		12.4	
J 5254-2	PX-Cove-B2-RD	10/27/99	10/28/99	10/28/99	12/02/99		1.95	Experimental Sample 1' below grade Revised 11/29/99 Orig. reported as 1.95 ppm
I 7116-7	PX-Cove-D2	09/17/99	09/18/99	09/20/99	10/15/99		24.1	
J 5254-1	PX-Cove-D2-RD	10/26/99	10/28/99	10/28/99	12/02/99		174.1	Experimental Sample 1' below grade Revised 11/29/99
I 7116-5	PX-Cove-F2	09/17/99	09/18/99	09/20/99	10/15/99		6.02	
J 5254-3	PX-Cove-F2-RD	10/27/99	10/28/99	10/28/99	12/02/99		57.3	Experimental Sample 1' below grade Revised 11/29/99
I 7116-10	PX-Cove-A3	09/17/99	09/18/99	09/20/99	10/15/99		28.6	
I 7116-11	PX-Cove-A3 MS/MSD	09/17/99	09/18/99	09/20/99	10/15/99		28.5	
J 5253-3	PX-Cove-A3-RD	10/26/99	10/28/99	10/28/99	12/02/99		60.8	Experimental Sample 1' below grade Revised 11/29/99 Orig. reported as 60.9 ppm
I 7116-8	PX-Cove-C3	09/17/99	09/18/99	09/20/99	10/15/99		10.4	
J 5253-2	PX-Cove-C3-RD	10/26/99	10/28/99	10/28/99	12/02/99		8.63	Experimental Sample 1' below grade Revised 11/29/99

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DZUS Fastener Site
NYSDEC Site ID Number 1-52-033

POST EXCAVATION (TOTAL CADMIUM) LABORATORY ANALYTICAL RESULTS

Chain of Custody #	ERM Sample ID	Date Collected	Date Analyzed	Date Data Received	Date Cat B Package Received	Earth Tech Analytical Results (ppm)	ERM/BWE Analytical Results (ppm)	Notes
I 7116-6	PX-Cove-E3	09/17/99	09/18/99	09/20/99	10/15/99		44.8	
J 5253-1	PX-Cove-E3-RD	10/26/99	10/28/99	10/28/99	12/02/99		38.0	Experimental Sample 1' below grade Revised 11/29/99
LAKE BOTTOM								
I 5160-1	PX-LB-201	10/09/99	10/11/99	10/12/99	11/19/99		0.22	J - Concentration detected below MDL
J 3965-1	PX-Lake-25A	12/10/99	12/13/99	12/15/99	01/19/00		14.1	
J 4623-1	PX-Lake-25A +4	12/17/99	10/20/99	12/21/99	01/19/00	.80/.90/.90	1.99	Revised 1/13/00 Orig. reported as 1.98 ppm
SHORELINE								
I 9836-1	PX-Shoreline-01	09/29/99	09/29/99	09/30/99	11/19/99		0.41	
I 9836-2	PX-Shoreline-02	09/29/99	09/29/99	09/30/99	11/19/99		0.70	
I 9836-3	PX-Shoreline-03	09/29/99	09/29/99	09/30/99	11/19/99		0.45	
I 9836-4	PX-Shoreline-04	09/29/99	09/29/99	09/30/99	11/19/99		0.17	
I 9836-5	PX-Shoreline-05	09/29/99	09/29/99	09/30/99	11/19/99		0.55	
I 9836-6	PX-Shoreline-06	09/29/99	09/29/99	09/30/99	11/19/99		1.13	
J 3953-2	PX-Shoreline-07 +4	12/05/99	12/07/99	12/07/99	01/19/00	1.3	1.59	Revised 1/11/00 Orig. reported as 1.56 ppm
J 3956-2	PX-Shoreline-08 +4	12/08/99	12/10/99	12/13/99	01/19/00		2.06	Revised 1/12/00 Orig. reported as 2.07 ppm
J 3962-2	PX-Shoreline-09 +4	12/09/99	12/13/99	12/14/99	01/19/00	0.9	1.59	
J 3946-2	PX-Shoreline-10	12/03/99	12/04/99	12/06/99	01/19/00		1.73	Prior to Augering
J 3946-3	PX-Shoreline-11	12/03/99	12/04/99	12/06/99	01/19/00		61.0	Revised 1/11/00 Orig reported as 61.2 ppm Prior to Augering
J 3964-2	PX-Shoreline-11 +4	12/10/99	12/14/99	12/14/99	01/19/00		3.37	Revised 1/12/00 Orig. reported as 3.40 ppm
J 4619-4	PX-Shoreline-11 +4 RS	12/15/99	12/16/99	12/16/99	01/19/00		1.58	Revised 1/13/00 Orig. reported as 1.6 ppm
J 3946-4	PX-Shoreline-12	12/03/99	12/04/99	12/06/99	01/19/00		0.92	Prior to Augering J - Concentration detected below MDL

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POST EXCAVATION (TOTAL CADMIUM) LABORATORY ANALYTICAL RESULTS

Chain of Custody #	ERM Sample ID	Date Collected	Date Analyzed	Date Data Received	Date Cat B Package Received	Earth Tech Analytical Results (ppm)	ERM/BWE Analytical Results (ppm)	Notes
J 3964-3	PX-Shoreline-12 +4	12/10/99	12/14/99	12/14/99	01/19/00		6.47	
J 4620-1	PX-Shoreline-12 +4 RD	12/15/99	12/16/99	12/16/99	01/19/00		0.46	
J 3964-4	PX-Shoreline-13 +4	12/10/99	12/14/99	12/14/99	01/19/00		1.76	Revised 1/12/00 Orig. reported as 1.77 ppm
J 3966-2	PX-Shoreline-14	12/10/99	12/13/99	12/15/99	01/24/00		69.8	
J 4620-3	PX-Shoreline-14 +4	12/15/99	12/16/99	12/16/99	01/19/00		1.63	
J 3966-3	PX-Shoreline-15	12/10/99	12/13/99	12/15/99	01/24/00		2.09	
J 4619-1	PX-Shoreline-15 +4	12/15/99	12/16/99	12/16/99	01/19/00		2.51	Revised 1/13/00 Orig. reported as 2.52 ppm
J 4619-2	PX-Shoreline-16 +4	12/15/99	12/16/99	12/16/99	01/19/00		2.75	Revised 1/13/00 Orig. reported as 2.76 ppm
J 4618-2	PX-Shoreline-17 +4	12/14/99	12/15/99	12/15/99	01/19/00	0.2	0.69	
J 3414-3	PX-Shoreline-18	11/13/99	11/18/99	11/19/99	01/07/00	0.8	1.43	
J 3414-2	PX-Shoreline-19	11/13/99	11/18/99	11/19/99	01/07/00		0.48	
J 3414-1	PX-Shoreline-20	11/13/99	11/18/99	11/19/99	01/07/00		0.62	
J 3411-1	111299 Dup	11/12/99	11/18/99	11/18/99	01/07/00		0.47	J - Concentration detected below MDL
J 3411-2	PX-Shoreline-21	11/12/99	11/15/99	11/18/99	01/07/00		0.75	Revised 1/04/00 Orig. reported as 0.74 ppm
J 3415-3	PX-Shoreline-21 +4	11/13/99	11/21/99	11/22/99	01/07/00	0.7	0.86	
J 3411-3	PX-Shoreline-22	11/12/99	11/15/99	11/18/99	01/07/00		0.49	J - Concentration detected below MDL
J 3415-2	PX-Shoreline-22 +4	11/13/99	11/21/99	11/22/99	01/07/00		0.70	
I 5165-1	PX-Shoreline-23	10/14/99	10/18/99	10/20/99	12/02/99		1.05	Revised 11/29/99 Orig. reported as 0.82 ppm
J 3415-1	PX-Shoreline-23 +4	11/13/99	11/21/99	11/22/99	01/07/00	BDL	0.48	J - Concentration detected below MDL
I 5164-1	PX-Shoreline-24	10/14/99	10/15/99	10/18/99	11/19/99		2.44	
I 5162-1	PX-Shoreline-25	10/13/99	10/15/99	10/18/99	11/19/99		0.18	J - Concentration detected below MDL
I 5075	PX-Shoreline 26 is PX-Lake-01	07/26/99					1.02	

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POST EXCAVATION (TOTAL CADMIUM) LABORATORY ANALYTICAL RESULTS

Chain of Custody #	ERM Sample ID	Date Collected	Date Analyzed	Date Data Received	Date Cat B Package Received	Earth Tech Analytical Results (ppm)	ERM/BWE Analytical Results (ppm)	Notes
I 5257-1	PX-Shoreline-27	10/27/99	10/29/99	10/29/99	12/08/99		0.47	J - Concentration detected below MDL
I 5261-1	PX-Shoreline-28	10/28/99	10/29/99	10/29/99	12/08/99		1.00	
LAKE I								
I 5256-1	PX-Lake-I-2	10/27/99	10/29/99	10/29/99	12/02/99		35.8	Revised 11/29/99 Orig. reported as 37.2 ppm
I 5256-2	102799	10/27/99	10/29/99	10/29/99	12/02/99		30.6	Duplicate Revised 11/29/99 Orig. reported as 30.3 ppm
I 7123-1	PX-Lake-I-2-RD	11/05/99	11/10/99	11/11/99	12/08/99		2.98	Revised 12/2/99 Orig. reported as 2.99 ppm
J 3416-2	PX-Lake-I-3 +4	11/15/99	11/18/99	11/19/99	01/07/00		0.43	U - Analytical value is a non-detect
LAKE II								
I 7126-2	PX-Lake-II-1	11/08/99	11/10/99	11/16/99	12/08/99		0.450	J - Concentration detected below MDL Revised 12/2/99 Orig. reported as 0.34 ppm U
J 3415-4	PX-Lake-II-1 +4	11/13/99	11/21/99	11/22/99	01/07/00	1.7	1.45	
I 7126-3	PX-Lake-II-2	11/09/99	11/10/99	11/16/99	12/08/99		0.45	J - Concentration detected below MDL
J 3415-5	PX-Lake-II-2 +4	11/13/99	11/21/99	11/22/99	01/07/00		0.43	
J 3409-1	PX-Lake-II-3	11/11/99	11/15/99	11/17/99	01/19/00		0.43	U - Analytical value is a non-detect
J 3415-6	PX-Lake-II-3 +4	11/13/99	11/21/99	11/22/99	01/07/00		0.45	J - Concentration detected below MDL
J 3409-2	PX-Lake-II-4	11/11/99	11/15/99	11/17/99	01/19/00		0.42	J - Concentration detected below MDL
J 3415-7	PX-Lake-II-4 +4	11/13/99	11/21/99	11/22/99	01/07/00		0.51	
J 3411-4	PX-Lake-II-5	11/12/99	11/15/99	11/18/99	01/07/00		0.45	J - Concentration detected below MDL
J 3415-8	PX-Lake-II-5 +4	11/13/99	11/21/99	11/22/99	01/07/00		0.45	J - Concentration detected below MDL
I 7126-1	PX-Lake-II-6	11/08/99	11/10/99	11/16/99	12/08/99		0.45	J - Concentration detected below MDL
J 3415-9	PX-Lake-II-6 +4	11/13/99	11/21/99	11/22/99	01/07/00	0.1	0.83	Revised 01/04/00 Orig. reported as 1.48 ppm
LAKE III								

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POST EXCAVATION (TOTAL CADMIUM) LABORATORY ANALYTICAL RESULTS

Chain of Custody #	ERM Sample ID	Date Collected	Date Analyzed	Date Data Received	Date Cat B Package Received	Earth Tech Analytical Results (ppm)	ERM/BWE Analytical Results (ppm)	Notes
J 3416-1	PX-Lake-III-1	11/15/99	11/18/99	11/19/99	01/07/00		0.47	J - Concentration detected below MDL
J 3423-1	PX-Lake-III-1 +4	11/17/99	11/21/99	11/22/99	01/07/00		0.46	U - Analytical value is a non-detect
J 3419-1	PX-Lake-III-2	11/15/99	11/18/99	11/19/99	01/07/00		0.81	
J 3423-2	PX-Lake-III-2 +4	11/17/99	11/21/99	11/22/99	01/07/00	0.5	0.44	U - Analytical value is a non-detect
J 3419-2	PX-Lake-III-3	11/16/99	11/18/99	11/19/99	01/07/00	<.01	0.44	U - Analytical value is a non-detect
J 3423-3	PX-Lake-III-3 +4	11/17/99	11/21/99	11/22/99	01/07/00		0.44	U - Analytical value is a non-detect
J 3421-1	PX-Lake-III-4	11/17/99	11/18/99	11/19/99	01/07/00		0.45	J - Concentration detected below MDL
J 3423-4	PX-Lake-III-4 +4	11/17/99	11/21/99	11/22/99	01/07/00		0.45	J - Concentration detected below MDL
J 3424-3	111799 Dup	11/17/99	11/21/99	11/23/99	01/07/00		0.48	U - Analytical value is a non-detect
J 3424-2	PX-Lake-III-5	11/17/99	11/21/99	11/23/99	01/07/00		0.50	U - Analytical value is a non-detect
J 3427-1	PX-Lake-III-5 +4	11/19/99	11/21/99	11/22/99	01/07/00		0.96	
J 3426-1	PX-Lake-III-6	11/19/99	11/21/99	11/22/99	01/07/00		0.43	U - Analytical value is a non-detect
J 3430-1	PX-Lake-III-6 +4	11/20/99	11/21/99	11/23/99	01/10/00		0.43	
J 3426-3	PX-Lake-III-7	11/19/99	11/21/99	11/22/99	01/07/00		0.43	U - Analytical value is a non-detect
J 3430-3	PX-Lake-III-7 +4	11/20/99	11/22/99	11/23/99	01/10/00		0.46	
J 3428-2	PX-Lake-III-8	11/19/99	11/21/99	11/22/99	01/07/00		0.61	U - Analytical value is a non-detect
J 3430-5	PX-Lake-III-8 +4	11/20/99	11/22/99	11/23/99	01/10/00		0.46	J - Concentration detected below MDL
J 3433-3	PX-Lake-III-9	11/22/99	11/22/99	11/23/99	01/10/00		0.45	J - Concentration detected below MDL
J 3934-1	PX-Lake-III-9 +4	11/23/99	11/30/99	11/30/99	01/10/00		0.65	
J 3433-2	PX-Lake-III-10	11/22/99	11/22/99	11/23/99	01/10/00		1.19	
J 3934-3	PX-Lake-III-10 +4	11/23/99	11/30/99	11/30/99	01/10/00		1.50	
J 3436-2	PX-Lake-III-11	11/22/99	11/30/99	11/30/99	01/10/00		3.23	Revised 01/07/00 Orig. reported as 3.22 ppm

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DZUS Fastener Site
NYSDEC Site ID Number 1-52-033

POST EXCAVATION (TOTAL CADMIUM) LABORATORY ANALYTICAL RESULTS

Chain of Custody #	ERM Sample ID	Date Collected	Date Analyzed	Date Data Received	Date Cat B Package Received	Earth Tech Analytical Results (ppm)	ERM/BWE Analytical Results (ppm)	Notes
J 3934-5	PX-Lake-III-11 +4	11/23/99	11/30/99	11/30/99	01/10/00	0.5	1.14	
J 4616-1	PX-Lake-III-12 +4	12/13/99	12/15/99	12/15/99	01/19/00	0.4	1.07	Revised 01/13/00 Orig. reported as 1.08 ppm
J 3937-1	PX-Lake-III-13	11/29/99	12/03/99	12/14/99	01/10/00		1.60	
J 3940-1	PX-Lake-III-13 +4	11/30/99	12/02/99	12/02/99	01/19/00	0.8	1.50	Revised 01/10/00 Orig. reported as 1.51 ppm
J 3937-4	PX-Lake-III-14	11/29/99	12/03/99	12/14/99	01/10/00		6.60	Revised 01/07/00 Orig. reported as 6.57 ppm
J 3940-4	PX-Lake-III-14 +4	11/30/99	12/02/99	12/02/99	01/19/00	1.3	1.97	Revised 01/10/00 Orig. reported as 1.98 ppm
J 4616-2	PX-Lake-III-15 +4	12/13/99	12/15/99	12/15/99	01/19/00		1.08	
J 3939-1	PX-Lake-III-16	11/30/99	12/02/99	12/02/99	01/19/00		1.81	Revised 01/10/00 Orig. reported as 1.79 ppm
J 3947-1	PX-Lake-III-16 +4	12/03/99	12/04/99	12/06/99	01/19/00	1.6	1.42	
J 3943-1	PX-Lake-III-17	12/02/99	12/03/99	12/06/99	01/10/00		2.47	
J 3947-2	PX-Lake-III-17 +4	12/03/99	12/04/99	12/06/99	01/19/00	0.2	0.92	Revised 01/10/00 Orig. reported as .91 ppm
J 3947-3	120399 Dup	12/03/99	12/04/99	12/06/99	01/19/00		2.37	
J 4618-1	PX-Lake-III-18 +4	12/14/99	12/15/99	12/15/99	01/19/00	1.6	2.13	
J 3953-1	PX-Lake-III-19 +4	12/05/99	12/07/99	12/07/99	01/19/00		1.47	Revised 01/11/00 Orig. reported as 1.39 ppm
J 3956-1	PX-Lake-III-20 +4	12/08/99	12/10/99	12/13/99	01/19/00		1.08	
J 4619-3	PX-Lake-III-21 +4	12/15/99	12/16/99	12/16/99	01/19/00		2.62	Revised 01/13/00 Orig. reported as 2.63 ppm
J 3959	PX-Lake-III-22 +4	12/08/99	12/10/99	12/13/99	01/19/00		0.53	
J 3962-1	PX-Lake-III-23 +4	12/09/99	12/13/99	12/14/99	01/19/00		1.45	
J 3966-1	PX-Lake-III-24	12/10/99	12/13/99	12/15/99	01/24/00		2.53	
J 4620-2	PX-Lake-III-24 +4	12/15/99	12/16/99	12/16/99	01/19/00		0.43	J - Concentration detected below MDL
J 3946-1	PX-Lake-III-25	12/03/99	12/04/99	12/06/99	01/19/00		134.0	Revised 1/11/00 Orig reported as 147 ppm Prior to Augering

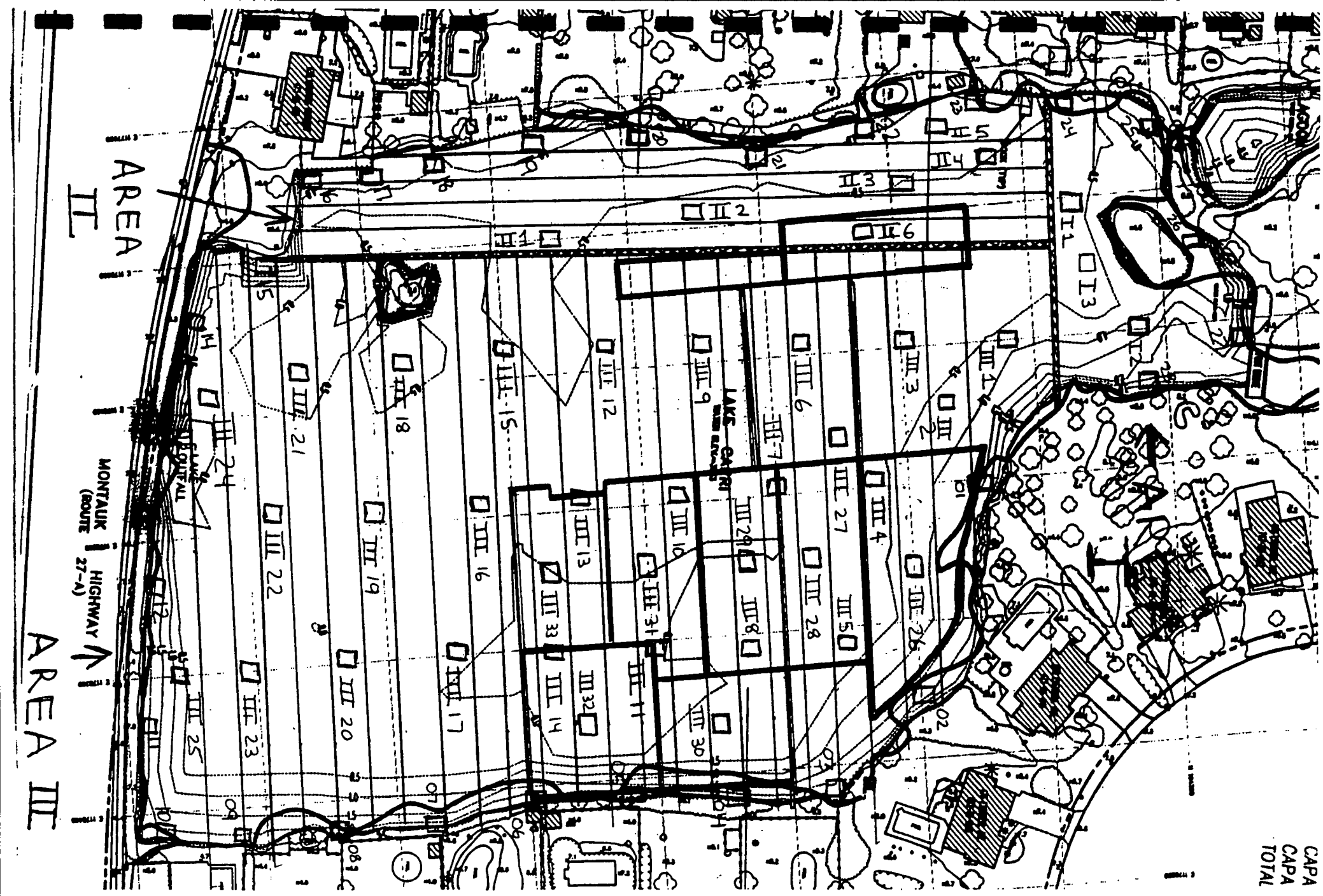
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DZUS Fastener Site
NYSDEC Site ID Number 1-52-033

POST EXCAVATION (TOTAL CADMIUM) LABORATORY ANALYTICAL RESULTS

Chain of Custody #	ERM Sample ID	Date Collected	Date Analyzed	Date Data Received	Date Cat B Package Received	Earth Tech Analytical Results (ppm)	ERM/BWE Analytical Results (ppm)	Notes
J 3964-1	PX-Lake-III-25 +4	12/10/99	12/14/99	12/14/99	01/19/00		3.80	Revised 01/12/00 Orig. reported as 3.81 ppm
J 4619-5	PX-Lake-III-25 +4 RS	12/15/99	12/16/99	12/16/99	01/19/00		0.65	
J 3419-3	PX-Lake-III-26	11/16/99	11/18/99	11/19/99	01/07/00		0.47	U - Analytical value is a non-detect
J 3423-5	PX-Lake-III-26 +4	11/17/99	11/21/99	11/22/99	01/07/00		0.45	U - Analytical value is a non-detect
J 3424-1	PX-Lake-III-27	11/17/99	11/21/99	11/23/99	01/07/00		0.45	U - Analytical value is a non-detect
J 3427-2	PX-Lake-III-27 +4	11/19/99	11/21/99	11/22/99	01/07/00		0.56	J - Concentration detected below MDL
J 3426-2	PX-Lake-III-28	11/19/99	11/21/99	11/22/99	01/07/00		0.42	U - Analytical value is a non-detect
J 3430-2	PX-Lake-III-28 +4	11/20/99	11/22/99	11/23/99	01/10/00		0.85	
J 3428-1	PX-Lake-III-29	11/19/99	11/21/99	01/22/99	01/07/00		0.58	U - Analytical value is a non-detect
J 3430-4	PX-Lake-III-29 +4	11/20/99	11/22/99	11/23/99	01/10/00		0.46	J - Concentration detected below MDL
J 3433-1	PX-Lake-III-30	11/22/99	11/22/99	11/23/99	01/10/00		0.48	J - Concentration detected below MDL
J 3934-2	PX-Lake-III-30 +4	11/23/99	11/30/99	11/30/99	01/10/00	0.4	1.46	
J 3436-1	PX-Lake-III-31	11/22/99	11/30/99	11/30/99	01/10/00		2.97	
J 3934-4	PX-Lake-III-31 +4	11/23/99	11/30/99	11/30/99	01/10/00	1.9	2.05	
J 3937-2	PX-Lake-III-32	11/29/99	12/03/99	12/14/99	01/10/00		1.75	Revised 01/07/00 Orig. reported as .80 ppm
J 3940-2	PX-Lake-III-32 +4	11/30/99	12/02/99	12/02/99	01/19/00		1.87	Revised 01/10/00 Orig. reported as 1.86 ppm
J 3937-3	PX-Lake-III-33	11/29/99	12/03/99	12/14/99	01/10/00		3.37	Revised 01/07/00 Orig. reported as 3.36 ppm
J 3940-3	PX-Lake-III-33 +4	11/30/99	12/02/99	12/02/99	01/19/00	1.7	1.36	
END OF PROJECT								

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Shoreline Samples: PX-Shoreline-01 → PX-Shoreline-28

Lake Samples: PX-Lake-I-1

Area ↑ ↑ Sample #

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DUP091799

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: I7116-1

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 9/17/99

Level (low/med): LOW | SDG No.: PX0917 | % Solids: 41.5

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	34.8			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-COVE-A1

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX0917

Lab Sample ID: I7116-2
Date Received: 9/17/99
% Solids: 86.7

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.13			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Cove-A1-RD

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1029A

Lab Sample ID: I5258-1
Date Received: 10/28/99
% Solids: 87.9

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.44	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-COVE-C1

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX0917

Lab Sample ID: I7116-3
Date Received: 9/17/99
% Solids: 35.7

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	37.8			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Cove-C1-RD

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1029A

Lab Sample ID: I5258-2
Date Received: 10/28/99
% Solids: 67.2

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	2.71			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-COVE-E1

Lab Name: ETL
Contract: NA
Lab Code: ETL
Case No.: NA
Lab Sample ID: I7116-4
Matrix (soil/water): SOIL
SAS No.: NA
Date Received: 9/17/99
Level (low/med): LOW
SDG No.: PX0917
% Solids: 53.9

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	11.5			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown
Clarity Before: NA
Texture: Medium

Color After: Brown
Clarity After: NA
Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Cove-E1-RD

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1029A

Lab Sample ID: I5258-3
Date Received: 10/28/99
% Solids: 78.2

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	2.01			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-COVE-B2

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: I7116-9

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 9/17/99

Level (low/med): LOW | SDG No.: PX0917 | % Solids: 47.6

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	12.4			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Cove-B2-RD

Lab Name: ETL Contract: NA

Lab Code: ETL Case No.: NA Lab Sample ID: I5254-2

Matrix (soil/water): SOIL SAS No.: NA Date Received: 10/27/99

Level (low/med): LOW SDG No.: PX1028A % Solids: 76.5

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.95			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-COVE-D2

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: I7116-7

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 9/17/99

Level (low/med): LOW | SDG No.: PX0917 | % Solids: 38.6

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	24.1			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Cove-D2-RD

Lab Name: ETL
Contract: NA
Lab Code: ETL
Case No.: NA
Lab Sample ID: I5254-1
Matrix (soil/water): SOIL
SAS No.: NA
Date Received: 10/27/99
Level (low/med): LOW
SDG No.: PX1028A
% Solids: 23.4

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	174.1			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown
Clarity Before: NA
Texture: Medium

Color After: Brown
Clarity After: NA
Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-COVE-F2

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: I7116-5

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 9/17/99

Level (low/med): LOW | SDG No.: PX0917 | % Solids: 67.1

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	6.02			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Cove-F2-RD

Lab Name: ETL
Contract: NA
Lab Code: ETL
Case No.: NA
Lab Sample ID: I5254-3
Matrix (soil/water): SOIL
SAS No.: NA
Date Received: 10/27/99
Level (low/med): LOW
SDG No.: PX1028A
% Solids: 30.2

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	57.3			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown
Clarity Before: NA
Texture: Medium

Color After: Brown
Clarity After: NA
Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-COVE-A3

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX0917

Lab Sample ID: I7116-10
Date Received: 9/17/99
% Solids: 55.7

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	28.6			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown
Clarity Before: NA
Texture: Medium

Color After: Brown
Clarity After: NA
Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-COVE-A3MS/MSD

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX0917

Lab Sample ID: I7116-11
Date Received: 9/17/99
% Solids: 53.5

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	28.5			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Cove-A3-RD

Lab Name: ETL
Contract: NA
Lab Code: ETL
Case No.: NA
Lab Sample ID: I5253-3
Matrix (soil/water): SOIL
SAS No.: NA
Date Received: 10/26/99
Level (low/med): LOW
SDG No.: PX1028
% Solids: 27.5

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	60.8			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown
Clarity Before: NA
Texture: Medium

Color After: Brown
Clarity After: NA
Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-COVE-C3

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX0917

Lab Sample ID: I7116-8
Date Received: 9/17/99
% Solids: 50.6

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	10.4			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown
Clarity Before: NA
Texture: Medium

Color After: Brown
Clarity After: NA
Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Cove-C3-RD

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1028

Lab Sample ID: I5253-2
Date Received: 10/26/99
% Solids: 41.5

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	8.63			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-COVE-E3

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX0917

Lab Sample ID: I7116-6
Date Received: 9/17/99
% Solids: 49.1

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	44.8			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown
Clarity Before: NA
Texture: Medium

Color After: Brown
Clarity After: NA
Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Cove-E3-RD

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1028

Lab Sample ID: I5253-1
Date Received: 10/26/99
% Solids: 36.8

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	38.0			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown
Clarity Before: NA
Texture: Medium

Color After: Brown
Clarity After: NA
Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-LB-201

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1011

Lab Sample ID: I5160-1
Date Received: 10/9/99
% Solids: 90.8

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.22	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-25A

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1213B

Lab Sample ID: J3965-1
Date Received: 12/13/99
% Solids: 62.8

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	14.1			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-25A "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1217

Lab Sample ID: J4623-1
Date Received: 12/17/99
% Solids: 84.0

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.99			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-01

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX0929

Lab Sample ID: I9836-1
Date Received: 9/29/99
% Solids: 82.1

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.41	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-02

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX0929

Lab Sample ID: I9836-2
Date Received: 9/29/99
% Solids: 62.8

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.70	B		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-03

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX0929

Lab Sample ID: I9836-3
Date Received: 9/29/99
% Solids: 82.3

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.45	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-04

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX0929

Lab Sample ID: I9836-4
Date Received: 9/29/99
% Solids: 81.7

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.17	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-05

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX0929

Lab Sample ID: I9836-5
Date Received: 9/29/99
% Solids: 83.6

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.55	B		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-06

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX0929

Lab Sample ID: I9836-6
Date Received: 9/29/99
% Solids: 87.7

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.13			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-07 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1206

Lab Sample ID: J3953-2
Date Received: 12/6/99
% Solids: 86.4

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.59			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown
Clarity Before: NA
Texture: Medium

Color After: Brown
Clarity After: NA
Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-08 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1208

Lab Sample ID: J3956-2
Date Received: 12/8/99
% Solids: 80.9

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	2.06			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-09 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1209B

Lab Sample ID: J3962-2
Date Received: 12/9/99
% Solids: 81.8

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.59			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-10

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1203A

Lab Sample ID: J3946-2
Date Received: 12/3/99
% Solids: 83.1

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.73			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-11

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1203A

Lab Sample ID: J3946-3
Date Received: 12/3/99
% Solids: 92.0

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	61.0			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-11 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1213A

Lab Sample ID: J3964-2
Date Received: 12/13/99
% Solids: 81.4

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	3.37			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-11"+4"RS

Lab Name: ETL Contract: NA

Lab Code: ETL Case No.: NA Lab Sample ID: J4619-4

Matrix (soil/water): SOIL SAS No.: NA Date Received: 12/15/99

Level (low/med): LOW SDG No.: PX1215 % Solids: 72.7

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.58			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-12

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1203A

Lab Sample ID: J3946-4
Date Received: 12/3/99
% Solids: 42.6

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.92	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-12 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1213A

Lab Sample ID: J3964-3
Date Received: 12/13/99
% Solids: 83.3

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	6.47			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-12"+4"RD

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: J4620-1

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 12/16/99

Level (low/med): LOW | SDG No.: PX1216 | % Solids: 84.6

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.46	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-13 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1213A

Lab Sample ID: J3964-4
Date Received: 12/13/99
% Solids: 87.9

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.76			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Shoreline-14

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1213C

Lab Sample ID: J3966-2
Date Received: 12/13/99
% Solids: 41.6

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	69.8			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-14 "+4"

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: J4620-3

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 12/16/99

Level (low/med): LOW | SDG No.: PX1216 | % Solids: 95.0

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.63			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Shoreline-15

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1213C

Lab Sample ID: J3966-3
Date Received: 12/13/99
% Solids: 66.8

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	2.09			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-15 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1215

Lab Sample ID: J4619-1
Date Received: 12/15/99
% Solids: 87.2

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	2.51			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-16 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1215

Lab Sample ID: J4619-2
Date Received: 12/15/99
% Solids: 80.3

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	2.75			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-17 "+4"

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: J4618-2

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 12/14/99

Level (low/med): LOW | SDG No.: PX1214 | % Solids: 86.8

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.69			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-18

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1115A

Lab Sample ID: J3414-3
Date Received: 11/15/99
% Solids: 77.4

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.43			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-19

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1115A

Lab Sample ID: J3414-2
Date Received: 11/15/99
% Solids: 81.8

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.48	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-20

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1115A

Lab Sample ID: J3414-1
Date Received: 11/15/99
% Solids: 85.6

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.62			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

111299

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1112

Lab Sample ID: J3411-1
Date Received: 11/12/99
% Solids: 82.4

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.47	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown
Clarity Before: NA
Texture: Medium

Color After: Brown
Clarity After: NA
Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-21

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1112

Lab Sample ID: J3411-2
Date Received: 11/12/99
% Solids: 79.9

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.75			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-21 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1115B

Lab Sample ID: J3415-3
Date Received: 11/15/99
% Solids: 87.3

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.86			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-22

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1112

Lab Sample ID: J3411-3
Date Received: 11/12/99
% Solids: 80.3

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.49	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-22 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1115B

Lab Sample ID: J3415-2
Date Received: 11/15/99
% Solids: 83.9

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.70			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-SHORELINE-23

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: I5165-1

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 10/15/99

Level (low/med): LOW | SDG No.: PX1018 | % Solids: 77.8

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.05			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Shoreline-23 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1115B

Lab Sample ID: J3415-1
Date Received: 11/15/99
% Solids: 81.6

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.48	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-SHORELINE-24

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: I5164-1

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 10/14/99

Level (low/med): LOW | SDG No.: PX1015B | % Solids: 74.9

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	2.44			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-SHORELINE-25

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1015A

Lab Sample ID: I5162-1
Date Received: 10/13/99
% Solids: 65.7

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.18	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-SHORELINE-27

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1029

Lab Sample ID: I5257-1
Date Received: 10/28/99
% Solids: 83.4

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.47	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-SHORELINE-28

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1029B

Lab Sample ID: I5261-1
Date Received: 10/28/99
% Solids: 85.1

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.00			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-I-2

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: I5256-1

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 10/27/99

Level (low/med): LOW | SDG No.: PX1028B | % Solids: 40.4

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	35.8			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

102799

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1028B

Lab Sample ID: I5256-2
Date Received: 10/27/99
% Solids: 33.8

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	30.6			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown
Clarity Before: NA
Texture: Medium

Color After: Brown
Clarity After: NA
Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-I-2-RD

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1110

Lab Sample ID: I7123-1
Date Received: 11/5/99
% Solids: 80.8

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	2.98			P
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-I-3 "+4"

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: J3416-2

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 11/15/99

Level (low/med): LOW | SDG No.: PX1115C | % Solids: 90.7

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.43	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-II-1

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1110A

Lab Sample ID: I7126-2
Date Received: 11/9/99
% Solids: 87.6

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.45	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-II-1 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1115B

Lab Sample.ID: J3415-4
Date Received: 11/15/99
% Solids: 80.4

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.45			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-II-2

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: I7126-3

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 11/9/99

Level (low/med): LOW | SDG No.: PX1110A | % Solids: 86.4

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.45	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-II-2 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1115B

Lab Sample ID: J3415-5
Date Received: 11/15/99
% Solids: 89.7

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.43	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-II-3

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: J3409-1

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 11/11/99

Level (low/med): LOW | SDG No.: PX1111 | % Solids: 90.1

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.43	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-II-3 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1115B

Lab Sample ID: J3415-6
Date Received: 11/15/99
% Solids: 86.8

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.45	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-II-4

Lab Name: ETL
Contract: NA
Lab Code: ETL
Case No.: NA
Lab Sample ID: J3409-2
Matrix (soil/water): SOIL
SAS No.: NA
Date Received: 11/11/99
Level (low/med): LOW
SDG No.: PX1111
% Solids: 93.4

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.42	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown
Clarity Before: NA
Texture: Medium

Color After: Brown
Clarity After: NA
Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-II-4 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1115B

Lab Sample ID: J3415-7
Date Received: 11/15/99
% Solids: 87.5

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.51	B		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-II-S5

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: J3411-4

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 11/12/99

Level (low/med): LOW | SDG No.: PX1112 | % Solids: 85.9

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.45	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-II-5 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1115B

Lab Sample ID: J3415-8
Date Received: 11/15/99
% Solids: 87.5

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.45	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-II-6

Lab Name: ETL
Contract: NA
Lab Code: ETL
Case No.: NA
Lab Sample ID: I7126-1
Matrix (soil/water): SOIL
SAS No.: NA
Date Received: 11/9/99
Level (low/med): LOW
SDG No.: PX1110A
% Solids: 86.2

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.45	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown
Clarity Before: NA
Texture: Medium

Color After: Brown
Clarity After: NA
Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-II-6 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1115B

Lab Sample ID: J3415-9
Date Received: 11/15/99
% Solids: 82.2

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.83			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-1

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1115C

Lab Sample ID: J3416-1
Date Received: 11/15/99
% Solids: 82.3

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.47	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown
Clarity Before: NA
Texture: Medium

Color After: Brown
Clarity After: NA
Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-1 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1118A

Lab Sample ID: J3423-1
Date Received: 11/18/99
% Solids: 84.0

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.46	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-2

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1116

Lab Sample ID: J3419-1
Date Received: 11/16/99
% Solids: 87.9

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.81			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-2 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1118A

Lab Sample ID: J3423-2
Date Received: 11/18/99
% Solids: 89.2

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.44	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-3

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1116

Lab Sample ID: J3419-2
Date Received: 11/16/99
% Solids: 88.7

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.44	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-3 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1118A

Lab Sample ID: J3423-3
Date Received: 11/18/99
% Solids: 88.1

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.44	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-4

Lab Name: ETL | Contract: NA
Lab Code: ETL | Case No.: NA | Lab Sample ID: J3421-1
Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 11/17/99
Level (low/med): LOW | SDG No.: PX1117 | % Solids: 86.2

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.45	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-4 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1118A

Lab Sample ID: J3423-4
Date Received: 11/18/99
% Solids: 86.3

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.45	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

111799

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1118B

Lab Sample ID: J3424-3
Date Received: 11/18/99
% Solids: 81.7

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.48	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown
Clarity Before: NA
Texture: Medium

Color After: Brown
Clarity After: NA
Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-5

Lab Name: ETL
Contract: NA
Lab Code: ETL
Case No.: NA
Lab Sample ID: J3424-2
Matrix (soil/water): SOIL
SAS No.: NA
Date Received: 11/18/99
Level (low/med): LOW
SDG No.: PX1118B
% Solids: 77.6

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.50	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown
Clarity Before: NA
Texture: Medium

Color After: Brown
Clarity After: NA
Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-5 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1119B

Lab Sample ID: J3427-1
Date Received: 11/19/99
% Solids: 59.3

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.96			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-6

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1119A

Lab Sample ID: J3426-1
Date Received: 11/19/99
% Solids: 90.4

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.43	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-6 "+4"

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: J3430-1

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 11/22/99

Level (low/med): LOW | SDG No.: PX1122A | % Solids: 91.5

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.43	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-7

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1119A

Lab Sample ID: J3426-3
Date Received: 11/19/99
% Solids: 90.1

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.43	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-7 "+4"

Lab Name: ETL
Contract: NA
Lab Code: ETL
Case No.: NA
Lab Sample ID: J3430-3
Matrix (soil/water): SOIL
SAS No.: NA
Date Received: 11/22/99
Level (low/med): LOW
SDG No.: PX1122A
% Solids: 87.8

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.46	B		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown
Clarity Before: NA
Texture: Medium

Color After: Brown
Clarity After: NA
Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-8

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1120

Lab Sample ID: J3428-2
Date Received: 11/20/99
% Solids: 63.7

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.61	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-8 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1122A

Lab Sample ID: J3430-5
Date Received: 11/22/99
% Solids: 84.1

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.46	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-9

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1122B

Lab Sample ID: J3433-3
Date Received: 11/22/99
% Solids: 86.9

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.45	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-9 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1123B

Lab Sample ID: J3934-1
Date Received: 11/23/99
% Solids: 83.4

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.65			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-10

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1122B

Lab Sample ID: J3433-2
Date Received: 11/22/99
% Solids: 90.6

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.19			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-10 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1123B

Lab Sample ID: J3934-3
Date Received: 11/23/99
% Solids: 82.1

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.50			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-11

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1123A

Lab Sample ID: J3436-2
Date Received: 11/23/99
% Solids: 86.1

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	3.23			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-11 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1123B

Lab Sample ID: J3934-5
Date Received: 11/23/99
% Solids: 86.6

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.14			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-12 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1213C

Lab Sample ID: J4616-1
Date Received: 12/13/99
% Solids: 84.7

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.07			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-13

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: J3937-1

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 11/29/99

Level (low/med): LOW | SDG No.: PX1129 | % Solids: 96.0

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.60			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-13 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1130B

Lab Sample ID: J3940-1
Date Received: 11/30/99
% Solids: 85.8

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.50			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-14

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: J3937-4

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 11/29/99

Level (low/med): LOW | SDG No.: PX1129 | % Solids: 84.4

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	6.60			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-14 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1130B

Lab Sample ID: J3940-4
Date Received: 11/30/99
% Solids: 80.1

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.97			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-15 "+4"

Lab Name: ETL
Contract: NA
Lab Code: ETL
Case No.: NA
Lab Sample ID: J4616-2
Matrix (soil/water): SOIL
SAS No.: NA
Date Received: 12/13/99
Level (low/med): LOW
SDG No.: PX1213C
% Solids: 83.9

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.08			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown
Clarity Before: NA
Texture: Medium

Color After: Brown
Clarity After: NA
Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-16

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1130A

Lab Sample ID: J3939-1
Date Received: 11/30/99
% Solids: 84.0

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.81			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-16 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1203B

Lab Sample ID: J3947-1
Date Received: 12/3/99
% Solids: 85.3

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.42			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-17

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1202

Lab Sample ID: J3943-1
Date Received: 12/2/99
% Solids: 85.5

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	2.47			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown
Clarity Before: NA
Texture: Medium

Color After: Brown
Clarity After: NA
Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-17 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1203B

Lab Sample ID: J3947-2
Date Received: 12/3/99
% Solids: 88.1

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.92			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

120399

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1203B

Lab Sample ID: J3947-3
Date Received: 12/3/99
% Solids: 32.1

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	2.37			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-18 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1214

Lab Sample ID: J4618-1
Date Received: 12/14/99
% Solids: 87.7

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	2.13			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-19 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1206

Lab Sample ID: J3953-1
Date Received: 12/6/99
% Solids: 83.9

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.47			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-20 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1208

Lab Sample ID: J3956-1
Date Received: 12/8/99
% Solids: 80.8

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.08			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-21 "+4"

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: J4619-3

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 12/15/99

Level (low/med): LOW | SDG No.: PX1215 | % Solids: 88.8

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	2.62			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-22 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1209A

Lab Sample ID: J3959-1
Date Received: 12/9/99
% Solids: 86.2

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.53	B		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-23 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1209B

Lab Sample ID: J3962-1
Date Received: 12/9/99
% Solids: 85.1

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.45			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Lake-III-24

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1213C

Lab Sample ID: J3966-1
Date Received: 12/13/99
% Solids: 82.8

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	2.53			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-24 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1216

Lab Sample ID: J4620-2
Date Received: 12/16/99
% Solids: 91.7

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.43	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-25

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1203A

Lab Sample ID: J3946-1
Date Received: 12/3/99
% Solids: 29.6

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	134			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-25 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1213A

Lab Sample ID: J3964-1
Date Received: 12/13/99
% Solids: 84.3

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	3.80			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-25"+4"RS

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1215

Lab Sample ID: J4619-5
Date Received: 12/15/99
% Solids: 90.3

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.65			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-26

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1116

Lab Sample ID: J3419-3
Date Received: 11/16/99
% Solids: 83.5

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.47	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-26 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1118A

Lab Sample ID: J3423-5
Date Received: 11/18/99
% Solids: 87.2

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.45	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-27

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: J3424-1

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 11/18/99

Level (low/med): LOW | SDG No.: PX1118B | % Solids: 87.1

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.45	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-27 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1119B

Lab Sample ID: J3427-2
Date Received: 11/19/99
% Solids: 69.4

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.56	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-28

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1119A

Lab Sample ID: J3426-2
Date Received: 11/19/99
% Solids: 93.9

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.42	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-28 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1122A

Lab Sample ID: J3430-2
Date Received: 11/22/99
% Solids: 81.9

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.85			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-29

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1120

Lab Sample ID: J3428-1
Date Received: 11/20/99
% Solids: 67.5

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.58	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-29 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1122A

Lab Sample ID: J3430-4
Date Received: 11/22/99
% Solids: 85.6

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.46	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-30

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1122B

Lab Sample ID: J3433-1
Date Received: 11/22/99
% Solids: 81.7

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.48	U		PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-30 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1123B

Lab Sample ID: J3934-2
Date Received: 11/23/99
% Solids: 79.4

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.46			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-31

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1123A

Lab Sample ID: J3436-1
Date Received: 11/23/99
% Solids: 85.5

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	2.97			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-31 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1123B

Lab Sample ID: J3934-4
Date Received: 11/23/99
% Solids: 90.4

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	2.05			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-32

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: J3937-2

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 11/29/99

Level (low/med): LOW | SDG No.: PX1129 | % Solids: 85.8

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.75			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-32 "+4"

Lab Name: ETL | Contract: NA

Lab Code: ETL | Case No.: NA | Lab Sample ID: J3940-2

Matrix (soil/water): SOIL | SAS No.: NA | Date Received: 11/30/99

Level (low/med): LOW | SDG No.: PX1130B | % Solids: 79.3

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.87			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown | Clarity Before: NA | Texture: Medium

Color After: Brown | Clarity After: NA | Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-33

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1129

Lab Sample ID: J3937-3
Date Received: 11/29/99
% Solids: 86.0

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	3.37			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PX-Lake-III-33 "+4"

Lab Name: ETL
Lab Code: ETL
Matrix (soil/water): SOIL
Level (low/med): LOW

Contract: NA
Case No.: NA
SAS No.: NA
SDG No.: PX1130B

Lab Sample ID: J3940-3
Date Received: 11/30/99
% Solids: 79.9

Concentration Units (ug/L or mg/Kg, dry weight): mg/Kg, dry weight

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium	1.36			PM
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7482-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: Brown Clarity Before: NA Texture: Medium

Color After: Brown Clarity After: NA Artifacts:

Comments:

CONSTRUCTION CERTIFICATION REPORT

DZUS FASTENER SITE (OU2)

APPENDIX D

QA/QC RESULTS

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 15, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/13/99	13:30
Location Code:	RUST-ENV	Received by:	SW	12/13/99	12:00
Project Code:	RUSH24HR	Analyzed by:	see below		
P.O.#:					

Laboratory Data

Client ID: LAKE CAPRI REMED LAKE II-1 Phoenix I.D. AC49200

Parameter	Result	MDL	Units	Date	by	Reference
Cadmium	1.70	0.10	mg/Kg	12/14/99	EK	6010/E200.7
Total Metals Digest	Completed			12/13/99	TH	SW846 - 3050

Comments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber

John M. Schreiber, Laboratory Director
December 15, 1999

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
December 15, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/13/99	13:12
Location Code:	RUST-ENV	Received by:	SW	12/13/99	12:00
Project Code:	RUSH24HR	Analyzed by:	see below		
P.O.#:					

Laboratory Data

Client ID: LAKE CAPRI REMED LAKE II-6 Phoenix I.D. AC49201

Parameter	Result	MDL	Units	Date	by	Reference
Cadmium	0.10	0.10	mg/Kg	12/14/99	EK	6010/E200.7
Total Metals Digest	Completed			12/13/99	TH	SW846 - 3050

Comments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber, Laboratory Director
December 15, 1999

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
December 15, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/23/99	13:10
Location Code:	RUST-ENV	Received by:	SW	12/13/99	12:00
Project Code:	RUSH24HR	Analyzed by:	see below		
P.O.#:					

Laboratory Data

Client ID: LAKE CAPRI REMED LAKE III-11 Phoenix I.D. AC49202

Parameter	Result	MDL	Units	Date	by	Reference
Cadmium	0.50	0.10	mg/Kg	12/14/99	EK	6010/E200.7
Total Metals Digest	Completed			12/13/99	TH	SW846 - 3050

Comments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber

John M. Schreiber, Laboratory Director
December 15, 1999

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 17, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/13/99	13:00
Location Code:	RUST-ENV	Received by:	SW	12/15/99	11:20
Project Code:	RUSH24HR	Analyzed by:	see below		
P.O.#:	32419-10				

Laboratory Data

Client ID: LAKE CAPRI REMED LAKE III 12 Phoenix I.D. AC49729

Parameter	Result	MDL	Units	Date	by	Reference
Cadmium	0.40	0.10	mg/Kg	12/16/99	EK	6010/E200.7
Total Metals Digest	Completed			12/15/99	PL	SW846 - 3050

Comments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber

John M. Schreiber, Laboratory Director
December 17, 1999

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
December 15, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/30/99	10:50
Location Code:	RUST-ENV	Received by:	SW	12/13/99	12:00
Project Code:	RUSH24HR	Analyzed by:	see below		
P.O.#:					

Laboratory Data

Client ID: LAKE CAPRI REMED LAKE III-13 Phoenix I.D. AC49203

Parameter	Result	MDL	Units	Date	by	Reference
Cadmium	0.80	0.10	mg/Kg	12/14/99	EK	6010/E200.7
Total Metals Digest	Completed			12/13/99	TH	SW846 - 3050

Comments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber

John M. Schreiber, Laboratory Director
December 15, 1999

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 15, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/30/99	11:20
Location Code:	RUST-ENV	Received by:	SW	12/13/99	12:00
Project Code:	RUSH24HR	Analyzed by:	see below		
P.O.#:					

Laboratory Data

Client ID: LAKE CAPRI REMED LAKE III-14 Phoenix I.D. AC49204

Parameter	Result	MDL	Units	Date	by	Reference
Cadmium	1.30	0.10	mg/Kg	12/14/99	EK	6010/E200.7
Total Metals Digest	Completed			12/13/99	TH	SW846 - 3050

Comments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber

John M. Schreiber, Laboratory Director
December 15, 1999

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 17, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/13/99	13:15
Location Code:	RUST-ENV	Received by:	SW	12/15/99	11:20
Project Code:	RUSH24HR	Analyzed by:	see below		
P.O.#:	32419-10				

Laboratory Data

Client ID: LAKE CAPRI REMED LAKE III 15 Phoenix I.D. AC49730

Parameter	Result	MDL	Units	Date	by	Reference
Cadmium	0.30	0.10	mg/Kg	12/16/99	EK	6010/E200.7
Total Metals Digest	Completed			12/15/99	PL	SW846 - 3050

Comments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber

John M. Schreiber, Laboratory Director
December 17, 1999

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 15, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/03/99	13:15
Location Code:	RUST-ENV	Received by:	SW	12/13/99	12:00
Project Code:	RUSH24HR	Analyzed by:	see below		
P.O.#:					

Laboratory Data

Client ID: LAKE CAPRI REMED LAKE III-16 Phoenix I.D. AC49205

Parameter	Result	MDL	Units	Date	by	Reference
Cadmium	1.60	0.10	mg/Kg	12/14/99	EK	6010/E200.7
Total Metals Digest	Completed			12/13/99	TH	SW846 - 3050

Comments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber, Laboratory Director
December 15, 1999

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 416, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 15, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/05/99	14:00
Location Code:	RUST-ENV	Received by:	SW	12/13/99	12:00
Project Code:	RUSH24HR	Analyzed by:	see below		
P.O.#:					

Laboratory Data

Client ID: LAKE CAPRI REMED SHORELINE-7 Phoenix I.D. AC49209

Parameter	Result	MDL	Units	Date	by	Reference
Cadmium	1.30	0.10	mg/Kg	12/14/99	EK	6010/E200.7
Total Metals Digest	Completed			12/13/99	TH	SW846 - 3050

Comments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber

John M. Schreiber, Laboratory Director
December 15, 1999

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
December 15, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/09/99	10:50
Location Code:	RUST-ENV	Received by:	SW	12/13/99	12:00
Project Code:	RUSH24HR	Analyzed by:	see below		
P.O.#:					

Laboratory Data

Client ID: LAKE CAPRI REMED SHORELINE-9 Phoenix I.D. AC49210

Parameter	Result	MDL	Units	Date	by	Reference
Cadmium	0.90	0.10	mg/Kg	12/14/99	EK	6010/E200.7
Total Metals Digest	Completed			12/13/99	TH	SW846 - 3050

Comments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber

John M. Schreiber, Laboratory Director
December 15, 1999

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 17, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/14/99	14:30
Location Code:	RUST-ENV	Received by:	SW	12/15/99	11:20
Project Code:	RUSH24HR	Analyzed by:	see below		
P.O.#:	32419-10				

Laboratory Data

Client ID: LAKE CAPRI REMED SHORE LINE 17 Phoenix I.D. AC49732

Parameter	Result	MDL	Units	Date	by	Reference
Cadmium	0.20	0.10	mg/Kg	12/16/99	EK	6010/E200.7
Total Metals Digest	Completed			12/15/99	PL	SW846 - 3050

Comments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber

John M. Schreiber, Laboratory Director
December 17, 1999

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 416, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
December 15, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/13/99	11:50
Location Code:	RUST-ENV	Received by:	SW	12/13/99	12:00
Project Code:	RUSH24HR	Analyzed by:	see below		
P.O.#:					

Laboratory Data

Client ID: LAKE CAPRI REMED SHORELINE-18 Phoenix I.D. AC49211

Parameter	Result	MDL	Units	Date	by	Reference
Cadmium	0.80	0.10	mg/Kg	12/14/99	EK	6010/E200.7
Total Metals Digest	Completed			12/13/99	TH	SW846 - 3050

Comments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber

John M. Schreiber, Laboratory Director
December 15, 1999

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 15, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/13/99	12:15
Location Code:	RUST-ENV	Received by:	SW	12/13/99	12:00
Project Code:	RUSH24HR	Analyzed by:	see below		
P.O.#:					

Laboratory Data

Client ID: LAKE CAPRI REMED SHORELINE-21 Phoenix I.D. AC49212

Parameter	Result	MDL	Units	Date	by	Reference
Cadmium	0.70	0.10	mg/Kg	12/14/99	EK	6010/E200.7
Total Metals Digest	Completed			12/13/99	TH	SW846 - 3050

Comments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber, Laboratory Director
December 15, 1999

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 416, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 15, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/13/99	12:30
Location Code:	RUST-ENV	Received by:	SW	12/13/99	12:00
Project Code:	RUSH24HR	Analyzed by:	see below		
P.O.#:					

Laboratory Data

Client ID: LAKE CAPRI REMED SHORELINE-23 Phoenix I.D. AC49213

Parameter	Result	MDL	Units	Date	by	Reference
Cadmium	BDL	0.10	mg/Kg	12/14/99	EK	6010/E200.7
Total Metals Digest	Completed			12/13/99	TH	SW846 - 3050

Comments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber

John M. Schreiber, Laboratory Director
December 15, 1999

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 17, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/14/99	14:20
Location Code:	RUST-ENV	Received by:	SW	12/15/99	11:20
Project Code:	RUSH24HR	Analyzed by:	see below		
P.O.#:	32419-10				

Laboratory Data

Client ID: LAKE CAPRI REMED LAKE III 18 Phoenix I.D. AC49731

Parameter	Result	MDL	Units	Date	by	Reference
Cadmium	1.60	0.10	mg/Kg	12/16/99	EK	6010/E200.7
Total Metals Digest	Completed			12/15/99	PL	SW846 - 3050

Comments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber

John M. Schreiber, Laboratory Director
December 17, 1999

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
December 15, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/23/99	12:40
Location Code:	RUST-ENV	Received by:	SW	12/13/99	12:00
Project Code:	RUSH24HR	Analyzed by:	see below		
P.O.#:					

Laboratory Data

Client ID: LAKE CAPRI REMED LAKE III-30 Phoenix I.D. AC49206

Parameter	Result	MDL	Units	Date	by	Reference
Cadmium	0.40	0.10	mg/Kg	12/14/99	EK	6010/E200.7
Total Metals Digest	Completed			12/13/99	TH	SW846 - 3050

Comments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber

John M. Schreiber, Laboratory Director
December 15, 1999

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 15, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/23/99	13:00
Location Code:	RUST-ENV	Received by:	SW	12/13/99	12:00
Project Code:	RUSH24HR	Analyzed by:	see below		
P.O.#:					

Laboratory Data

Client ID: LAKE CAPRI REMED LAKE III-31 Phoenix I.D. AC49207

Parameter	Result	MDL	Units	Date	by	Reference
Cadmium	1.90	0.10	mg/Kg	12/14/99	EK	6010/E200.7
Total Metals Digest	Completed			12/13/99	TH	SW846 - 3050

Comments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber, Laboratory Director
December 15, 1999

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
December 15, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/30/99	11:10
Location Code:	RUST-ENV	Received by:	SW	12/13/99	12:00
Project Code:	RUSH24HR	Analyzed by:	see below		
P.O.#:					

Laboratory Data

Client ID: LAKE CAPRI REMED LAKE III-33 Phoenix I.D. AC49208

Parameter	Result	MDL	Units	Date	by	Reference
Cadmium	1.70	0.10	mg/Kg	12/14/99	EK	6010/E200.7
Total Metals Digest	Completed			12/13/99	TH	SW846 - 3050

Comments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber, Laboratory Director
December 15, 1999

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 22, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/17/99	10:45
Location Code:	RUST-ENV	Received by:	SW	12/20/99	9:40
Project Code:	RUSH24HR	Analyzed by:	see below		
P.O.#:					

Laboratory Data

Client ID: LAKE CAPRI REMED 25 ARD #3 Phoenix I.D. AC50329

Parameter	Result	MDL	Units	Date	by	Reference
Cadmium	0.90	0.10	mg/Kg	12/21/99	EK	6010/E200.7
Total Metals Digest	Completed			12/20/99	TH	SW846 - 3050

Comments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber, Laboratory Director
December 22, 1999

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 22, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/17/99	10:45
Location Code:	RUST-ENV	Received by:	SW	12/20/99	9:40
Project Code:	RUSH24HR	Analyzed by:	see below		
P.O.#:					

Laboratory Data

Client ID: LAKE CAPRI REMED 25 ARD #2 Phoenix I.D. AC50328

Parameter	Result	MDL	Units	Date	by	Reference
Cadmium	0.90	0.10	mg/Kg	12/21/99	EK	6010/E200.7
Total Metals Digest	Completed			12/20/99	TH	SW846 - 3050

Comments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber, Laboratory Director
December 22, 1999

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

nalysis Report

December 22, 1999

FOR: Attn: Ms. Amy Van Laak
Earthtech Inc
12 Metro Park Road
Albany, NY 12205

mple Information		Custody Information		Date	Time
trix:	SOLID	Collected by:		12/17/99	10:45
ocation Code:	RUST-ENV	Received by:	SW	12/20/99	9:40
ject Code:	RUSH24HR	Analyzed by:	see below		
O.#:					

Laboratory Data

Client ID: LAKE CAPRI REMED 25 ARD #1 Phoenix I.D. AC50327

ameter	Result	MDL	Units	Date	by	Reference
admium	0.80	0.10	mg/Kg	12/21/99	EK	6010/E200.7
l Metals Digest	Completed			12/20/99	TH	SW846 - 3050

mments: ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber, Laboratory Director
December 22, 1999

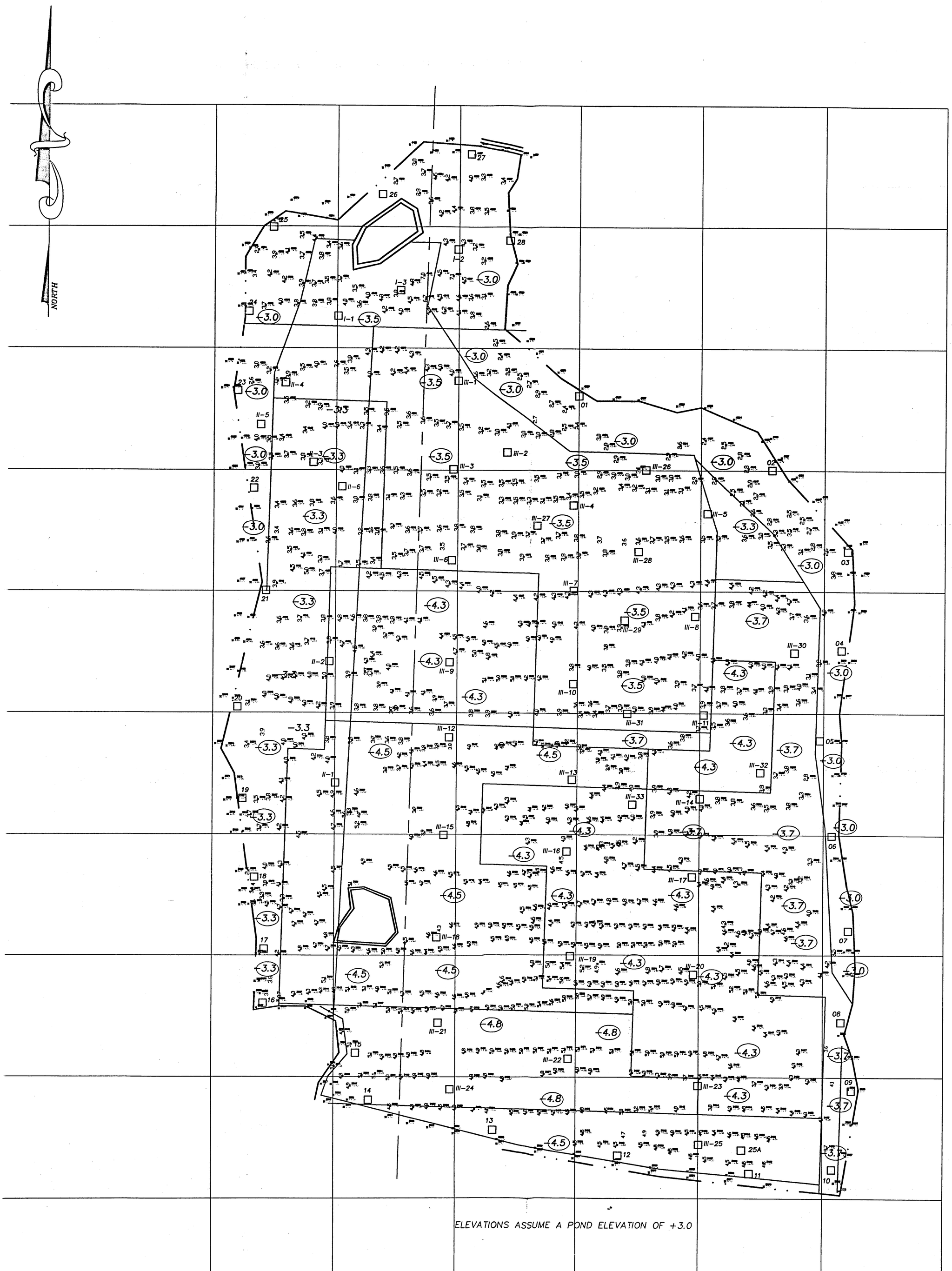
CONSTRUCTION CERTIFICATION REPORT

DZUS FASTENER SITE (OU2)

APPENDIX E

DRAWINGS

Pre & Post Hydrographic Surveys for Lake Capri
As-Built Detail Willetts Creek
As-Built Drawing - Lagoon



ELEVATIONS ASSUME A POND ELEVATION OF +3.0

NOTES:

1. RESULTS OF HYDROGRAPHY ARE FROM A SURVEY DATED 12-17-99.
2. SOUNDINGS ARE IN FEET AND TENTHS, AND REPRESENT DEPTHS BELOW THE LAKE POOL ELEVATION OF +3.0.
3. FINISHED GRADE DEPTHS SHOWN WERE CALCULATED FROM PROJECT DRAWINGS AND ADJUSTED TO LAKE ELELVATION OF +3.0.
4. AREAS NOT SOUNDED WERE NOT ACCESSIBLE BECAUSE OF EQUIPMENT, SILT BOOMS, OVERHANGING TREES OR THE LIKE.
5. BENCHMARK IS TOP OF CONCRETE WALL AT LAKE OUTFALL, EL.= +5.90'
6. COORDINATES ARE BASED ON THE 1983 STATE PLANE SYSTEM FOR THE STATE OF NEW YORK, LONG ISLAND GRID SYSTEM.
7. CONTROL HAS BEEN PROVIDED BY THE OWNER AND NOT INDEPENDENTLY VERIFIED.
8. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES SHOWN, AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS AT THAT TIME. INTERPOLATED INFORMATION FROM BETWEEN SOUNDING RUNS IS NOT GUARANTEED. SHOALS, OBSTRUCTIONS OR OTHER DIFFERING CONDITIONS MAY EXIST BETWEEN THESE RUNS. CONSULT WITH CLE ENGINEERING, INC. FOR MORE DETAILED INFORMATION.
9. POSSESSION AND USE OF THE MATERIAL CONTAINED ON THESE DRAWINGS IS GRANTED ONLY IN CONNECTION WITH ITS USE AS IT RELATES TO THE TITLED PROJECT. ANY OTHER USE, REPRODUCTION OR DISCLOSURE OF THE INFORMATION CONTAINED HEREIN IS EXPRESSLY PROHIBITED WITHOUT THE WRITTEN CONSENT OF CLE ENGINEERING, INC.

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LEGEND:

SOUNDING 45

FIN.GD. DEPTH -4.3

BORING □III-25

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)

1 inch = 40 ft.

PROJECT:

LAKE CAPRI/WILLETTS CREEK

WEST ISLIP, NY

CLIENT:

MOBILE DREDGING & PUMPING CO.

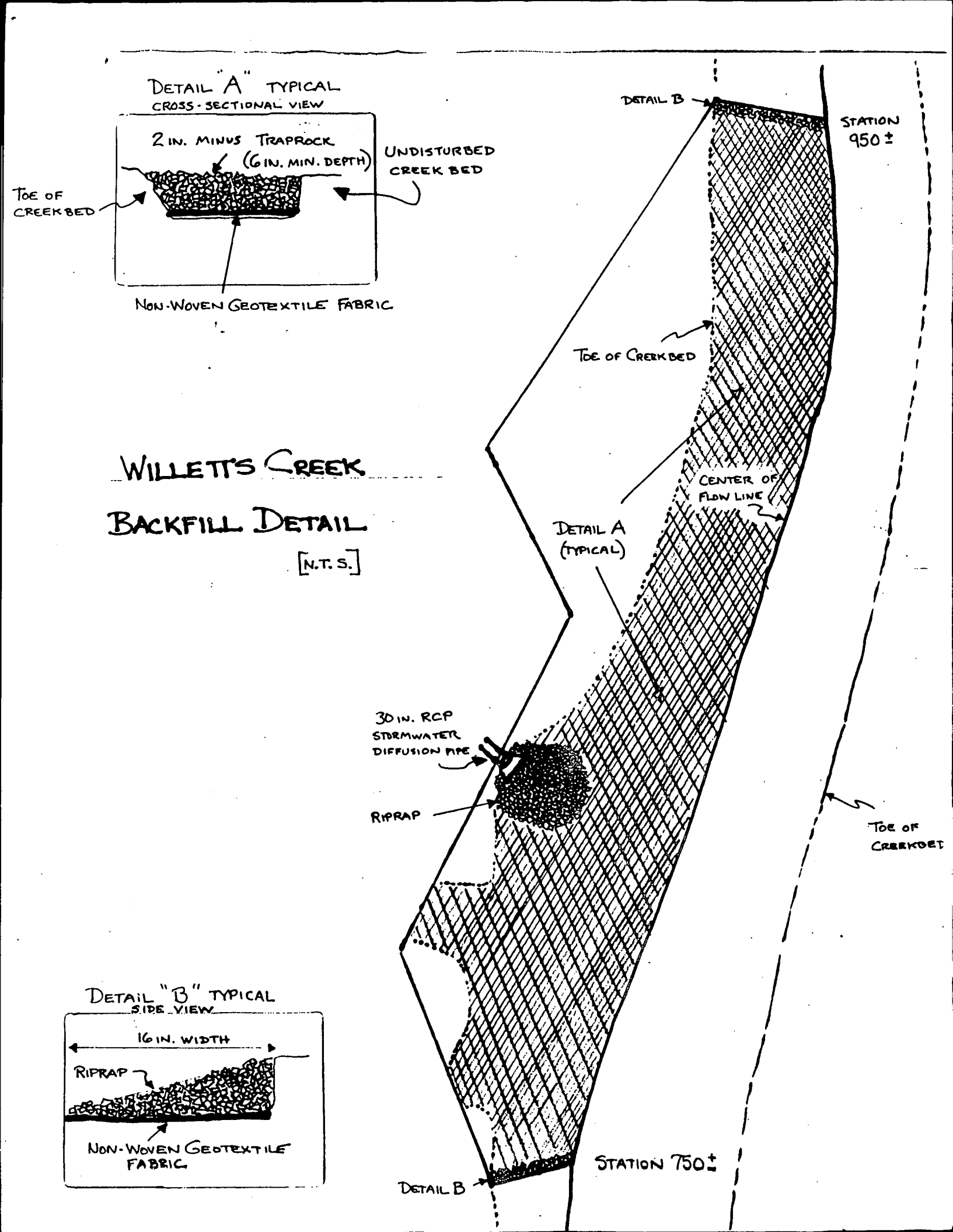
3100 BETHEL RD, CHESTER, PA 19013

CLE ENGINEERING, INC.
15 Creek Road, Marion, MA 02738 (508) 748-0937

POST-DREDGE SURVEY

SURVEY DATE 12/17/99 SHEET 1 OF 1

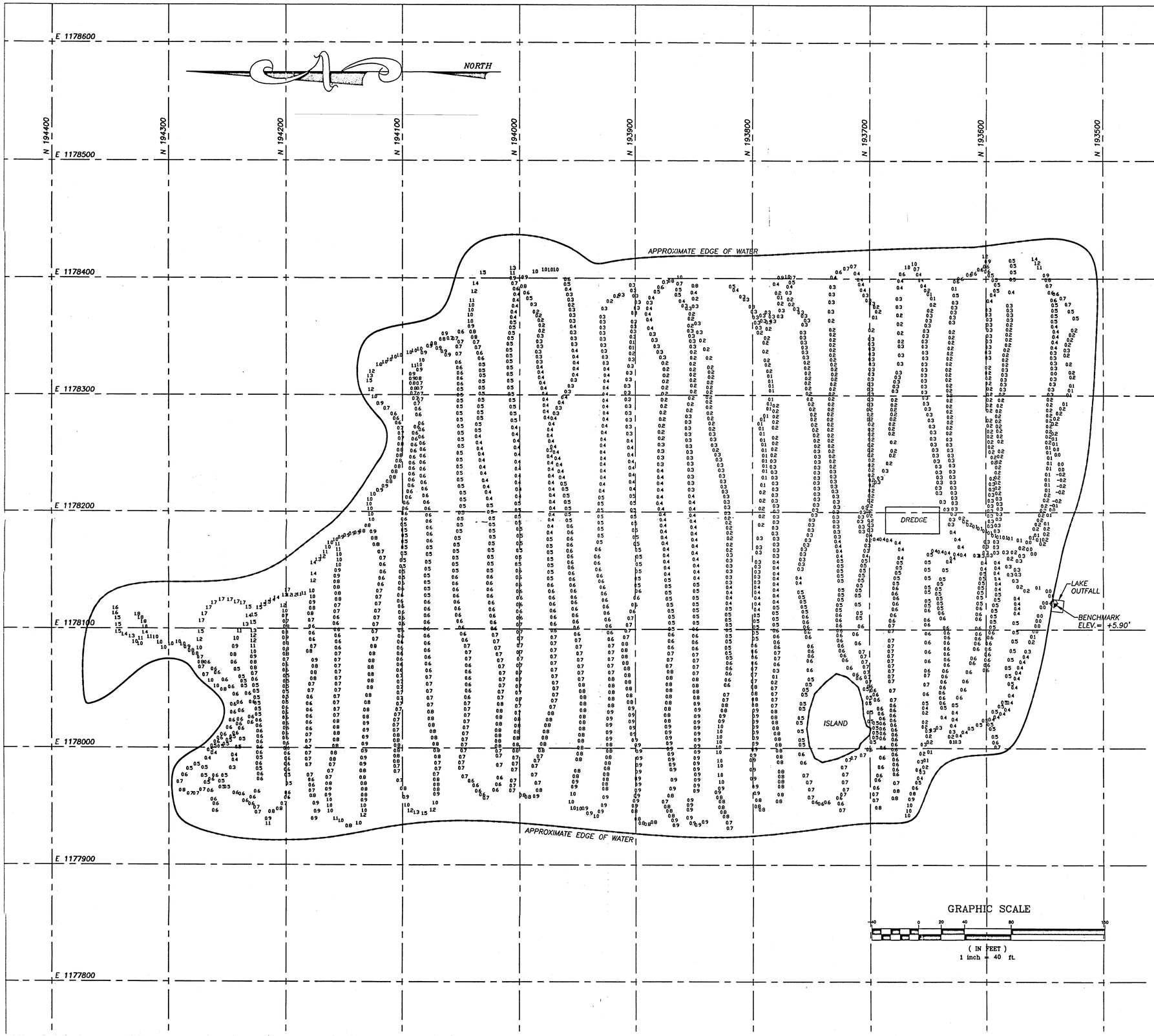
SCALE: 1" = 40'	CHECKED	DATE 12-20-99	DRAWING No. ISL1217A
DRAWN BY: JAD	BY:	REV	COMP.CODE 99025.100



WILLETT'S CREEK

BACKFILL DETAIL

[N.T.S.]



GRAPHIC SCALE

-40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

NOTES:

1. RESULTS OF HYDROGRAPHY FROM A SURVEY DATED 06-24-99.
2. SOUNDINGS ARE IN FEET AND TENTHS, AND REFER TO ELEVATIONS OF TOP OF SILT ABOVE PROJECT DATUM.
3. WATER ELEVATION AT TIME OF SURVEY = 3.00'. WATER ELEVATION ON CONTRACT PLANS = 3.33'.
4. BENCHMARK IS TOP OF CONCRETE WALL AT LAKE OUTFALL, EL.= +5.90'
5. COORDINATES ARE BASED ON THE 1983 STATE PLANE SYSTEM FOR THE STATE OF NEW YORK, LONG ISLAND GRID SYSTEM.
6. CONTROL HAS BEEN PROVIDED BY THE OWNER AND NOT INDEPENDENTLY VERIFIED.
7. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES SHOWN, AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS AT THAT TIME. INTERPOLATED INFORMATION FROM BETWEEN SOUNDING RUNS IS NOT GUARANTEED. SHOALS, OBSTRUCTIONS OR OTHER DIFFERING CONDITIONS MAY EXIST BETWEEN THESE RUNS. CONSULT WITH CLE ENGINEERING, INC. FOR MORE DETAILED INFORMATION.
8. POSSESSION AND USE OF THE MATERIAL CONTAINED ON THESE DRAWINGS IS GRANTED ONLY IN CONNECTION WITH ITS USE AS IT RELATES TO THE TITLED PROJECT. ANY OTHER USE, REPRODUCTION OR DISCLOSURE OF THE INFORMATION CONTAINED HEREIN IS EXPRESSLY PROHIBITED WITHOUT THE WRITTEN CONSENT OF CLE ENGINEERING, INC.

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PROJECT:

LAKE CAPRI/WILLETTS CREEK

WEST ISLIP, NY

CLIENT:

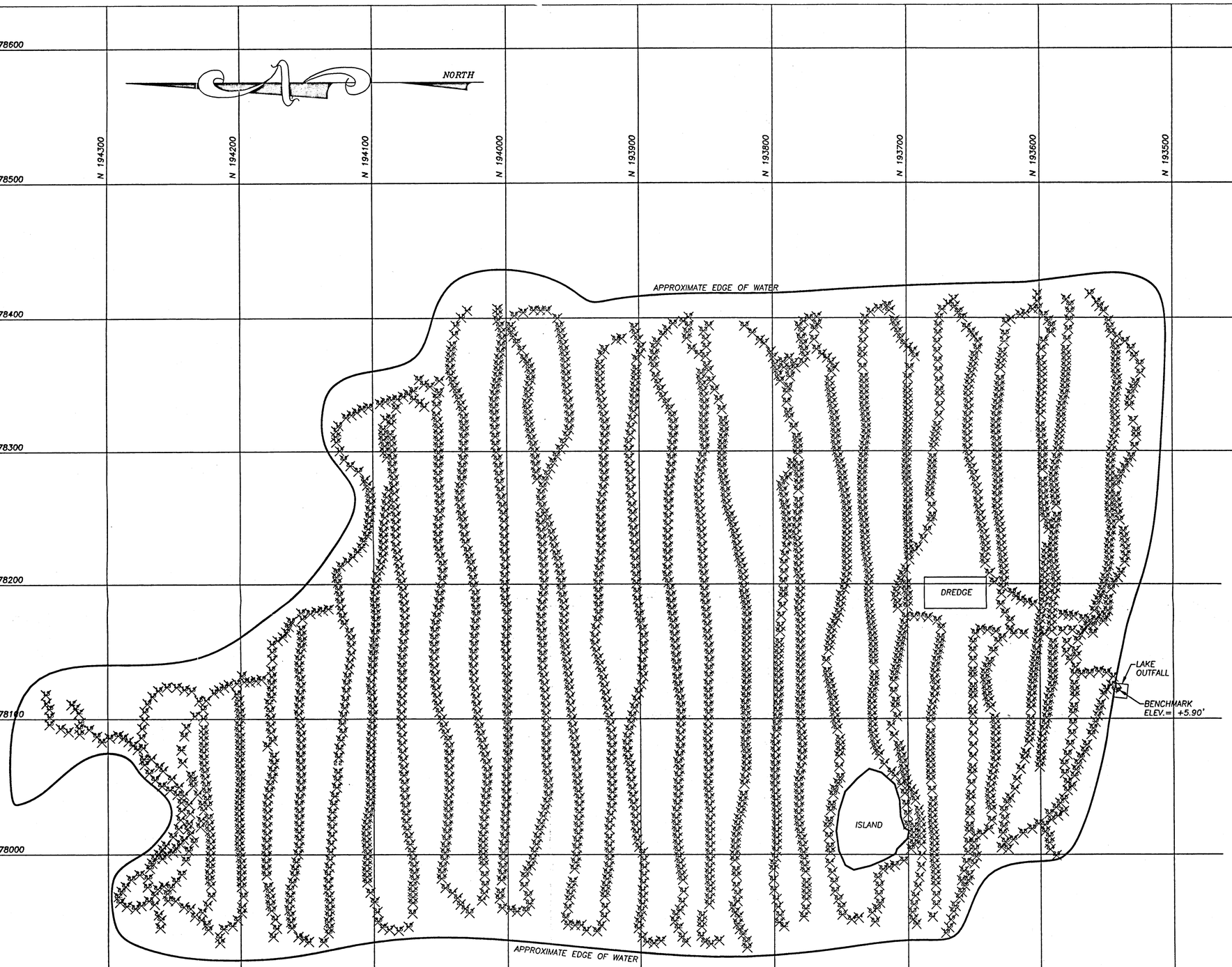
MOBILE DREDGING & PUMPING CO.

3100 BETHEL RD, CHESTER PA, 19013

CLE ENGINEERING, INC.
15 Creek Road, Marion, MA 02738 (508) 748-0937

PRE-DREDGE SURVEY
ELEVATIONS OF TOP OF SILT
SURVEY DATE 06-24-99 SHEET 1 OF 2

SCALE:	1" = 40'	CHECKED	DATE	07-01-99	DRAWING No.	ISP0624ELEV



GRAPHIC SCALE

-40 0 20 40 80 100

(IN FEET)
1 inch = 40 ft.

NOTES:

1. RESULTS OF HYDROGRAPHY FROM A SURVEY DATED 06-24-99.
2. SOUNDINGS ARE IN FEET AND TENTHS, AND REFER TO DEPTHS TO TOP OF SILT (RELATIVE TO WATER ELEVATION = 3.00')
3. WATER ELEVATION AT TIME OF SURVEY = 3.00'. WATER ELEVATION ON CONTRACT PLANS = 3.33'
4. BENCHMARK IS TOP OF CONCRETE WALL AT LAKE OUTFALL, EL.= +5.90'
5. COORDINATES ARE BASED ON THE 1983 STATE PLANE SYSTEM FOR THE STATE OF NEW YORK, LONG ISLAND GRID SYSTEM.
6. CONTROL HAS BEEN PROVIDED BY THE OWNER AND NOT INDEPENDENTLY VERIFIED.
7. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES SHOWN, AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS AT THAT TIME. INTERPOLATED INFORMATION FROM BETWEEN SOUNDING RUNS IS NOT GUARANTEED. SHOALS, OBSTRUCTIONS OR OTHER DIFFERING CONDITIONS MAY EXIST BETWEEN THESE RUNS. CONSULT WITH CLE ENGINEERING, INC. FOR MORE DETAILED INFORMATION.
8. POSSESSION AND USE OF THE MATERIAL CONTAINED ON THESE DRAWINGS IS GRANTED ONLY IN CONNECTION WITH ITS USE AS IT RELATES TO THE TITLED PROJECT. ANY OTHER USE, REPRODUCTION OR DISCLOSURE OF THE INFORMATION CONTAINED HEREIN IS EXPRESSLY PROHIBITED WITHOUT THE WRITTEN CONSENT OF CLE ENGINEERING, INC.

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PROJECT:

LAKE CAPRI/WILLETTS CREEK

WEST ISLIP, NY

CLIENT:

MOBILE DREDGING & PUMPING CO.

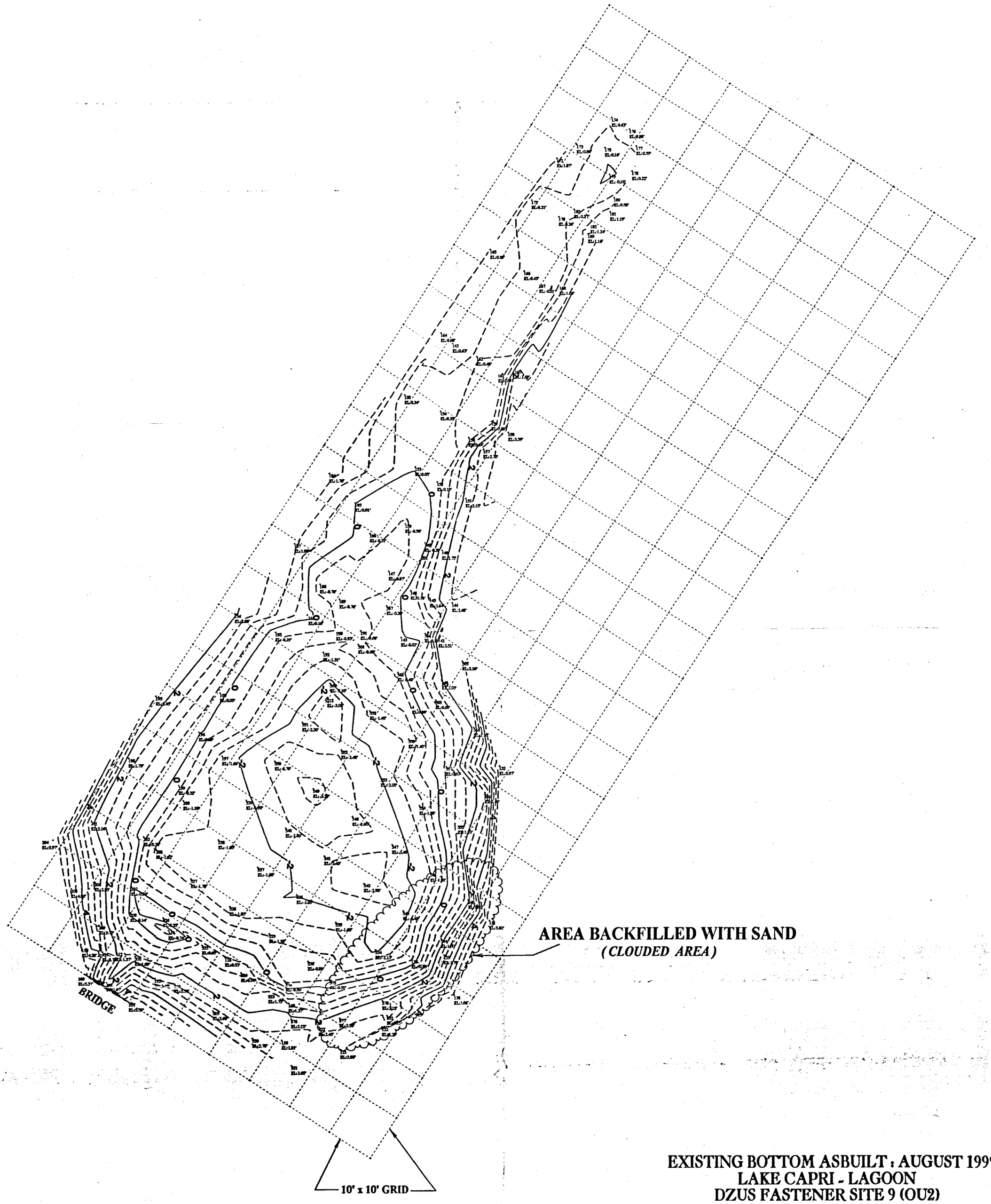
3100 BETHEL RD, CHESTER PA, 19013

CLE ENGINEERING, INC.
15 Creek Road, Marion, MA 02738 (508) 748-0937

PRE-DREDGE SURVEY
DEPTHS TO TOP OF SILT
SURVEY DATE 06-24-99

SHEET 2 OF 2

SCALE: 1" = 40'	CHECKED	DATE 07-01-99	DRAWING No.	ISP0624DPTH
DRAWN BY: GRL/JDS	BY:	REV	COMP.CODE	99025.100



EXISTING BOTTOM ASBUILT : AUGUST 1999
LAKE CAPRI - LAGOON
DZUS FASTENER SITE 9 (OU2)
REMOVAL & DISPOSAL CONTRACT
WEST ISLIP, NEW YORK
NYSDEC SITE NO. 1-52-033

CONSTRUCTION CERTIFICATION REPORT

DZUS FASTENER SITE (OU2)

APPENDIX F

MINUTES FOR WEEKLY PROGRESS MEETINGS

Dzus Fastener Site
Lake Capri/Willetts Creek Removal and Disposal Contract
Contract # D003972
Site #1-52-033
Week 1
June 16, 1999 – Pre-Construction Meeting

On Wednesday, June 16, 1999 at 1:10 p.m. the project Pre-Construction Meeting was held at the on-site Resident Engineer's trailer. Attendees were:

Name	Company	Role	Phone #
Gerard Burke	NYSDEC	Construction Project Manager	518-457-9285
Mike Posillico	Blue Water Environmental (BWE)	Owner, PM	516-249-1872
Vinny Evola	BWE		
Dave Bartosik	Earth Tech (ET)	Resident Engineer	804-358-5400
Rich Rogers	ET	Engineer of Record	518-458-1313
Eugene Sciora	NYSDOT		

Topics covered are outlined in the attached "Preconstruction Conference" outline/handout provided by Mr. Burke.

Mr. Burke asked Mr. Posillico to direct all communication with NYSDEC through him (Burke) rather than directly to Mr. Burke's supervisor (Bob Knizek). Mr. Posillico indicated that compliance with this request will not be a problem. Mr. Bartosik was introduced as the full time on-site representative for Earth Tech (NYSDEC's engineer).

It was agreed that weekly progress meetings will be held at 11:30 am on Thursdays.

Mr. Burke indicated that BWE needs to submit written information/data on BWE's planned subcontractors.

Mr. Burke gave Mike Posillico the June 15, 1999 "Notice to Proceed" letter from NYSDEC. The NTP date is June 11, 1999, with 185 days to complete the work. Per this letter, BWE is asked to submit an updated schedule and subcontractor's experience.

Mr. Burke reviewed paragraphs from the Contract Specifications relating to change orders. Specifically, he reminded BWE to submit documentation, if so desired, to notify NYSDEC of the potentially "changed conditions" at the detention basin excavation due to the presence of buried concrete and rubble.

Mr. Evola indicated that the top spillway board at the outfall was removed at 08:40 this morning and the lake has gone down about 3" so far.

Mr. Gene Sciora, NYSDOT Resident Engineer on Rt. 27A project, attended to discuss traffic markings at the lake staging area. He does not want a concrete barricade there placed by BWE. He wants plastic barrels and "no shoulder" signs along with other signs/flagmen per the BWE plan.

Mr. Burke asked if there were other potential changes/delays encountered by BWE. Mr. Posillico stated that the hook up with local water has been delayed due to the late access agreement with the high school.

Mr. Rogers reminded BWE to submit six (6) copies of all submittals to the Resident Engineer.

Mr. Burke repeated NYSDEC's decision to store "on site" the excavated "C&D debris" from the detention basin area, rather than hauling it off site per the BWE work plan.

The meeting was adjourned at approximately 2:15 p.m.

Respectfully submitted,

Richard C. Rogers, P.E.
Project Engineer

cc: Attendees
Project File
J. Gansfuss
A. VanLaak

PRECONSTRUCTION CONFERENCE

Project Manager will organize and hold a pre-construction conference after the contract award but prior to the actual start of construction to be attended by:

- construction contractor;
- resident engineer;
- others involved in the construction of the project, if appropriate, such as municipal officials, utility reps, other State agencies such as DOH, DOT, DOL, and other appropriate DEC support Divisions such as BAA (two weeks advance notice), fish and wildlife, DAR and Citizen Participation Specialist.

The following are issues to discuss:

- points of contact for all parties;
- lines of authority and responsibility;
- interrelationships among the engineer, contractors, and other parties;
- periodic progress meetings;
- access to work for inspections;
- surveys;
- review of qualifications and experience of contractor's superintendent, subcontractors and suppliers;
- discuss Contractor's Responsibilities of the Agreement and General Conditions including employees and hours of labor, date of completion, safety, protection of work, public and property, claims, emergencies, substantial completion and final inspections;
- discuss the scope of work and major areas of the contract specifications;
- construction schedules and notification for delays;
- measurement for payments;
- flow of documents such as payment requests, change orders and inspection reports;

- change order review and approval;
- payment process;
- contractors compliance with contract requirements and regulations;
- need for adequate documentation for project cost;
- labor standards (e.g. wage rates);
- quality control, testing, laboratory;
- notice requirements;
- Health and Safety requirements.

Sample of agenda for preconstruction meeting is shown as Appendix....

Compile minutes of the meeting and distribute them to all attendees. This is the responsibility of the consulting engineer or if one is not used on the project, the project manager.

Dzus Fastener Site
Lake Capri/Willetts Creek Removal and Disposal Contract
Contract # D003972
Site #1-52-033
Week 2
June 24, 1999 –Weekly Project Meeting (Day 13 of 185 CCD)

On Thursday, June 24, 1999 at 12:30 p.m. the Week 2 Project Meeting was held at the on-site Resident Engineer's trailer. Attendees were:

Name	Company	Role	Phone #
Gerard Burke	NYSDEC	Construction Project Manager	518-457-9285
Vincente Alfonso	NYSDEC	M/WBE/EEO	
Mike Posillico	Blue Water Environmental (BWE)	Owner, PM	516-249-1872
Vinny Evola	BWE	On-site PM	516-807-2870
Jared Garraux	BWE	Coordinator	
Thomas Spatafora	BWE	Operations	
Dave Bartosik	Earth Tech (ET)	Resident Engineer	804-358-5400
Amy Van Laak	ET	Project Manager	518-458-1313
Mark Gouch	ERM	Process Operations	516-921-4300
Ray Fitzpatrick	ERM	Health & Safety	516-921-4300
Bob Sims	Mobile Dredging	Project Contact	610-659-8474
Larry Wiker	Mobile Dredging	Operations	
Frank Talmo	Mobile Dredging	Dredge Supervisor	
Vincent Orlando	Miller Environmental	Fish Eradication	

Topics covered per attached agenda.

Work Progress for week 2 :

Saturday, June 19 installation of site perimeter fencing. Monday – Thursday, June 21-24, liner system in stormwater retention basin installed, process area delineated and lined, trailer power connected (400amp service), dredge and shore docking brought in, process equipment delivery (LAX hydrocyclones), hydrographic field survey completed (6/24), bulkhead and shoreline reconnaissance. Lake levels were adjusted and measured for fish eradication procedure.

Work Schedule for next 2 weeks (June 28-July 9):

Delivery of process equipment, portable generator and HDPE pipe to the site during week of June 28. Rotenone application and fish carcass collection is scheduled for the week of June 28. Connection of process equipment, fusing and installation of HDPE dredge slurry and return water piping in Willetts Creek during week of July 4.

Health & Safety Status:

During the week, Dave Bartosik (Earth Tech-Resident Engineer) and Ray Fitzpatrick (ERM- H&S Coordinator) met and discussed project H&S needs and requirements. H&S forms are being compiled, training requirements reviewed and documented, medical monitoring equipment and H&S supplies

furnished, hospital route posted, site work areas designated, tail-gate safety meetings initiated, procedures for carryover during shift changes established.

Technical Issues:

Fish Eradication – Vincent Orlando, from Miller Environmental was at the meeting to explain the Rotenone application procedure, and manner in which the collection and disposal of fish carcasses would be handled. A submittal was given to ET. Tenatively on Monday June 28, 1999, a checkout of the boat and application equipment would be made and verified for Rotenone application on Tuesday, June 29. Tom Piper is the applicator and will verify and coordinate work with Dave Bartosik. Sign posting and an information notice would go out to residents on Monday, June 28. Lake levels will be adjusted by removing wooden slatting. Extra slatting will be installed to retain lake levels to meet the six day holding time required in the Rotenone application permit. Miller explained that fish were likely to appear on the surface Wednesday and Thursday and be collected with netting and gathered in the southeastern corner of the lake for removal by vac-truck. Disposal will be by incineration at American Refuel in Westbury and be documented by bill of lading. Discussion of neutralizing the lake on Friday by application of potassium permanganate was not acceptable to DEC based upon the permit requirements. The permit requires retention of treated waters for six days. Further discussion with DEC permit writers may take place regarding this issue. Weather conditions and dilution from inflow to the lake will likely cause dilution and adequate neutralization of the Rotenone. DEC regional scientists may attend the fish kill to collect specimens for study.

Weigh Scale – BWE submitted a proposal for usage of their facility scale in Farmingdale. The submittal will be reviewed by ET. Discussion regarding documentation/tracking of materials to BWE and ultimate disposition was conducted and will be finalized prior to start of work. Gerard Burke (DEC) informed BWE he is closely involved with the RD&D permit modification allowing processing and ultimate disposal of Lake Capri/Willetts Creek sediments.

Dredging Pilot Test Submittal – Mobile Dredge was on hand to discuss the aspects of the dredging operation. ET stressed that a location plan and procedure be submitted to allow for confirmation of dredge operation, control of elevations and turbidity. Once system is verified by ET and Mobile in a known less contaminated zone, the dredge would be allowed to dredge sediments in the worst case scenario area to provide processed materials to be sampled and analyzed. This analysis would provide testing documentation for off-site removal. A plan will be compiled and submitted by BWE/Mobile. Dredging is anticipated to begin July 19.

Site Security – BWE is concerned with site security and entrance to the process area since a security guard is not fail-safe. The filter presses, located near the lower (southern) entrance gate work under high pressure and present a danger to unauthorized personnel who may enter the site. BWE offered having a locked gate with admittance only by authorized personnel either by a key pad or swipe card. A security guard would be on staff for non-work hours. BWE feels it would be safer to keep the site "closed ", gate locked with an access system in lieu of a 24 hour security guard. BWE will look into the alternate system and submit a proposal.

Contract Issues:

M/WBE and EEO Workplan – Vincente Alfonso (DEC) has reviewed BWE's proposal and considers BWE's letter of exclusion of certain items acceptable, and the plan for $777,000.00 feasible. WBE goals appear to be met, although the total is short $207,000.00 (MBE deficit). DEC requests BWE to resubmit their plan, and provide purchase orders or agreements to substantiate the proposed amounts. Gerard Burke indicated that the goal amounts will change due to cost modifications to the Contract (i.e. removal

of Higbie Lane line item). Costs will be checked monthly through delineated invoices. If BWE identifies needs for additional participation, Vincente will prepare a list of participants for BWE. Vincente asked to be kept informed during the process and made it clear he will help facilitate usage of M/WBE firms. The EEO component is ok.

Subcontractors – BWE verbally introduced their project personnel and roles and those of Mobil Dredge and ERM. DEC informed BWE that prior to start-up, there must be a list and designated roles for all personnel. The Health and Safety requirements for a sign-in sheet for each shift will be enforced. BWE will prepare a subcontractor list of personnel and designated roles shortly, as soon as all work tasks are identified. Any problems or issues with any of the subcontractors will be addressed directly to BWE. ET requested experience to be included with role designation.

Mobilization – BWE asked if they could make a partial payment request for line item 'Mobilization and Demobilization. Payment requests are to be submitted monthly per the Contract terms. DEC said a partial payment for this line item could be processed for work completed through the end of June. ET and BWE will review work accomplished and BWE will prepare a draft payment request for review.

Change Orders - Change Order was requested for a change in conditions encountered during excavation for the storm water retention basin. BWE initiated the change in condition by submitting a letter to DEC. BWE will prepare and submit costs incurred to DEC for review.

OTHER ISSUES:

A site walk was conducted prior to the meeting to review the sheetpile installation for the filter press building. Gaps between the sheeting and asphalt were noted and discussed with BWE. BWE will fill gaps and seal prior to work start-up.

Mobil Dredge has a small assist boat on the lake with a 25 hp outboard motor. This amount of horse power is excessive and is stirring up the sediments and causing turbidity. ET/DEC has asked that manual rowing or smaller motor be used. This is agreeable with Mobil Dredge.

ET voiced repeated concern with the condition of the bulkheads after reviewing again the shoreline with BWE and Mobil Dredge. Another reconnaissance will be conducted in more detail. The specifications call out a time limit of 4 hours from the time material along the bulkheads is removed to backfilling with clean sand along the walls. This time limit does not allow for confirmation sampling and subsequent analysis to take place in these locations. The issue of confirmation sampling along the bulkheads will be clarified and an answer given to BWE.

The meeting was adjourned at approximately 3:25 p.m.

Respectfully submitted,

Amy Van Laak
Project Manager

cc: Attendees
Project File R.Rogers
J. Gansfuss S.Kim

Dzus Fastener Site
Lake Capri/Willetts Creek Removal and Disposal Contract
Contract # D003972
Site #1-52-033
Week 3
July 1, 1999 – Weekly Project Meeting (Day 20 of 185)

On Thursday, July 1, 1999, at 11:30AM the Week 3 Project Meeting was held at the on-site Resident Engineer's trailer. Attendees were:

Name	Company	Role	Phone#
Gerard Burke	NYSDEC	Construction Project Manager	518-457-9285
Amy Van Laak	Earth Tech	Project Manager	518-458-1313
David Bartosik	Earth Tech	Resident Engineer	
Michael Posillico	BWE	Owner, PM	516-249-1872
Jared Garraux	BWE	Assistant PM	516-249-1872
Vinny Evola	BWE	On-site PM	
Ray Fitzpatrick	ERM	Site H&S Officer	516-921-4300
Greg Shkoda	ERM	QA/QC Officer	516-921-4300
Arthur Hilderbrand	ERM	Systems Supervisor	610-497-9500

Topics per attached agenda.

Work Progress for week 3:

June 28 - July 1, additional process equipment delivered to the site, including Baker batch tanks (mix tanks and frac tanks). The roofing installation on the filterpress building was started. Miller Environmental was on-site Monday, June 28 to begin preparation for the fish eradication. Rotenone was applied to the lake and lagoon Tuesday, June 29. Fish carcasses were collected on Wednesday, Thursday and Friday.

Work Schedule for next 2 weeks (July 5-July 16):

NYSDEC asked BWE to prepare a 2-week schedule outline for each weekly meeting indicating their planned activities. The work schedule from last week has slipped behind slightly on HDPE piping connection and layout. This work will be caught up next week with additional crew from Mobile Dredging. The remainder of the process equipment will be delivered (portable generator, air compressors, conveyors and filter presses) and electrical hookups made. The electrical response subcontractor has been changed; BWE will submit the name of the new subcontractor.

Health and Safety Status:

The site H&S officer will be required to meet with all contractors working on-site and will inform them of what on-site operations are in progress that relate to their well being on-site. Contractors will work under BWE general H&S plan as an addendum to the site specific H&S plan. This was acceptable for the mobilization activities. At the start of process operations at the site, it will be required that all subcontractors working on-site read and sign off on the site H&S plan. Tailgate safety meetings will continue and will

inform personnel of each day's scheduled work.

Technical Issues:

Fish Eradication –Contingency Plan:

Discussed contingency issues for the Rotenone application to the lake including lake water testing methods for rotenone, and fish testing (survival of live fish placed in lake water) as means to verify that, after treatment, Rotenone is no longer detectable and a threat to fish. Per the permit, the lake water will remain within lake for a total of six days before discharge. Estimated lake volume was 5,000,000 gallons at time of application. Twenty-five gallons of Rontenone used (0.25 ppm). It is estimated that approximately 4,000,000 gallons capacity to refill lake to prior level. BWE will work out schedule over fourth of July weekend for monitoring the lake level.

Dredging Pilot Test Submittal :

BWE presented a preliminary Pilot Dredge Plan which lacked information on how BWE would control elevations and turbidity during the pilot test. Based upon discussions during the meeting, it was decided that the submittal was not complete. The plan was not formally submitted during the meeting. BWE will resubmit with more detailed information. ET would prepare a punch list of items BWE must comply with prior to commencing dredging in the lake.

Photodocumentation of Bulkheads and Barberry Road:

Nelson and Pope, Inc. is documenting the roadway condition of Barberry Road which will be used extensively for trucking processed sediments from the site. Photodocumentation of bulkheads is being completed.

Bulkhead Sediment Removal/Backfilling and Testing Procedure:

Earth Tech will provide written clarification for testing of regions along the bulkheads. Bulkhead areas are to be dredged and backfilled within four hours which does not allow turnaround for sampling and analytical results.

Site Security:

A lake-side resident made notification that some teenagers were on the dredge that is anchored out in the lake. The incident on the dredge resulted in a one-sentence police report stating that upon arrival, the occupants on the dredge had vacated the dredge. BWE was requested to provide a 24-hour security guard as specified. BWE is installing clock stations and will have a guard on site from 6PM until 6AM with the remaining 24 hours being covered by BWE staff. The gate will be locked, with a sign in/out procedure. BWE was asked for an alternative site security proposal by ET/DEC for anything other than what is specified.

Daily Field Reports:

DEC/ET emphasized that daily field reports completed by BWE will identify all subcontractors, suppliers, and equipment used on site each day. Discussion on difference between a subcontractor and a supplier. DEC requested that all subcontractors over $10,000. be submitted on an updated subcontractor

list and be provided to the Department. A list of all "suppliers" will also be supplied to DEC. DEC will differentiate between subcontractors and suppliers.

Other Submittals and Additional Items:

The building roof submittal has not yet been submitted by BWE. BWE explained that the roofing material is such that it will allow ventilation and reduce wind velocity. Equipment in the building does not require additional protection from rain. Insulation blankets will be used in case of excess noise. If necessary, generator exhaust can be vented to the fan exhaust area to the building exterior. A stack may be installed if required.

Mobilization items of the site were discussed including office equipment, telephones and utilities. BWE is working to complete as many mobilization items as possible for their first payment request which they anticipate to submit in approximately one week.

The QA officer for project sampling and analysis, Greg Shkoda (ERM) was present at the meeting informed DEC/ET that he was responsible for the project SAP and will be available as needed. Dave Bartosik and Greg will meet and discuss project needs.

ET asked BWE for a submittal register and projected dates of submittal submission. This has not yet been completed by BWE.

An organizational chart was presented by BWE. BWE discussed the responsibilities of personnel on the chart. The dredge operators and QA/QC officer were not included on the chart. The chart will be revised and resubmitted. ERM will provide supervision to BWE for processing and water treatment. BWE personnel will operate the equipment. Steve Klause is the general foreman; Andy Lupo is the foreman for BWE, on-site personnel are all 40-hour health and safety trained. Phil Clark and Charlie Ashley were identified as dredge operators to be supplied by Mobile Dredging. ET requested that information be provided regarding the GPS elevation controls on the dredge.

Contract Issues:

M/WBE and EEO Status:

BWE is resubmitting information to NYSDEC.

Subcontractors:

BWE will submit tomorrow, (July 2) a complete subcontractor and supplier list and utilization.

Partial Payment Request:

BWE and ET will discuss items to be submitted for the first payment request and agree on payment quantities to be submitted.

Meeting was adjourned at 2:10 PM.

Dzus Fastener Site
Lake Capri/Willetts Creek Removal and Disposal Contract
Contract # D003972
Site #1-52-033
Week 4
July 8, 1999 – Weekly Project Meeting (Day 27 of 185)

On Thursday, July 8, 1999, at 11:30AM the Week 4 Project Meeting was held at the on-site Resident Engineer's trailer. Attendees were:

Name	Company	Role	Phone#
Gerard Burke	NYSDEC	Construction Project Manager	518-457-9285
David Bartosik	Earth Tech	Resident Engineer	
Michael Posillico	BWE	Owner, PM	516-249-1872
Jared Garraux	BWE	Assistant PM	516-249-1872
Vinny Evola	BWE	On-site PM	
Bob Sims	Mobile Dredge	Project Contact	610-659-8474
Lars Garthe	Mobile Dredge		

Topics per attached agenda.

Work Progress for week 4:

July 2 - July 8, additional process equipment delivered to the site, including filter presses. The roofing installation on the filterpress building was continuing. Process equipment piping and HDPE dredge and discharge lines were worked on. HDPE piping was laid in the Willetts Creek corridor. Miller reports that 5900 pounds of fish were removed form the lake and disposed of. The water in the lake was lowered on Tuesday, July 6, after conducting live fish tests to assure no residual Rotenone was active in the lake. Hydrographic survey data was compiled by CLE and forwarded to Earth Tech for review and comparison to last year's survey data.

Work Schedule for next 2 weeks (July 12-July 23):

NYSDEC asked BWE to prepare 2-week schedule outlines for each weekly meeting indicating their planned activities. The remainder of miscellaneous process equipment will be hooked up and electrical connections made. ET surveyers will meet on-site with BWE surveyers to review elevations and location points. ET will work with BWE and Mobile Dredging to determine dredge approach (excavation to required depth and checking with post excavation survey data to confirm post-excavation elevations). For purpose of elevation control and establishing a "cut" plan for the excavation, BWE will set the elevation reference at the top of headwall at the lake outlet to 0+00. The datam at the top of headwall is currently referenced at 5.90.

Health and Safety Status:

Contractors will work under BWE general H&S plan as an addendum to the site specific H&S plan. This was acceptable for the mobilization activities. Tailgate safety meetings will continue and will inform personnel of each day's scheduled work.

Technical Issues:

Fish Eradication :

Discussed increase in quantity of fish removed from the lake and that BWE will summit an increased cost, (change order) for the extra effort that Miller Environmental supplied for fish collection. ET spoke with DEC fisheries personnel at Stonybrook who also were on-site during the eradication activities. Based upon witnessing the size and quantity of fish killed, DEC noted that their original estimate of the quantity of fish in the lake was low. The disposal facility for the fish carcasses was changed from American Refuel to Ogden Martin Systems, Inc. Miller Environmental will submit a letter of explanation for the change in disposal facility to ET.

Dredging Pilot Test Submittal :

BWE submitted more detailed information. BWE is concerned there may be regions of the lake where the dredge may not be able to dredge (refusal) to specified depths due to compactness of underlaying sands. It was acceptable with DEC/ET that if this situation occurs, BWE would be allowed to collect a sample and base further excavation on the analytical results. BWE also referenced deeper pockets/holes where sediments may exist below the excavation depth. These areas where found would be identified, located, and addressed as dredging progressed.

ET prepared a punch list of items BWE must comply with prior to commencing dredging in the lake, including submission of stamped design drawings for the process/water treatment.

Photodocumentation of Bulkheads and Barberry Road:

Photodocumentation of bulkheads is complete. BWE is requested to provide video and photos to the Engineer per the specifications.

Site Security:

The site security issue still has not been totally resolved. BWE was asked again for an alternative site security proposal for anything other than what is specified. BWE will change locks on the entry gate off Barberry today and enforce a "locked" gate policy. All site personnel will have a key to the gate. All others will have to obtain access from on-site personnel who will be responsible for sign–in procedures. ET requests that an attendant be at the gate. BWE will install a bell to announce arrival of persons outside of the gate. After hours, a security guard will make rounds every hour and maintain a written record.

Daily Field Reports:

Field reporting format and delivery is satisfactory.

Other Submittals and Additional Items:

The building roof submittal, turbidity barriers have not yet been submitted by BWE.

ET asked BWE for a submittal register and projected dates of submittal submission. This has not yet been completed by BWE.

An updated organizational chart and schedule was presented by BWE. BWE discussed the responsibilities of personnel on the chart.
CLE will supply expertise with the operation of GPS and dredge control equipment that will be operated from the dredge. CLE will remain on-site as long as necessary until BWE and Mobile Dredging personnel are trained in use and operation of the equipment. Mobile Dredging has no previous experience with operation of this type of equipment and software (Hypac).

A dredge log reporting form is required that will contain all pertinent tracking information for the dredging program. BWE will work with Mobile Dredging and ET to finalize an appropriate form and format similar to a draft dredge log developed by ET.

Turbidity monitoring will be conducted with a 'real time' continuous turbidity monitor located on the dredge. A station on land (in BWE construction trailer) will collect the data by radio signal or cable, which ever means works more effectively.

Workplan approval requirements: ET will review later today stamped design drawings submittal for the process and water treatment to be implemented by BWE.

Meeting was adjourned at 2:00 PM.

Dzus Fastener Site
Lake Capri/Willetts Creek Removal and Disposal Contract
Contract # D003972
Site #1-52-033
Week 5
July 14, 1999 – Weekly Project Meeting (Day 33 of 185)

On Wednesday, July 14, 1999, at 11:30AM the Week 5 Project Meeting was held at the on-site Resident Engineer's trailer. Attendees were:

Name	Company	Role	Phone#
Gerard Burke	NYSDEC	Construction Project Manager	518-457-9285
David Bartosik	Earth Tech	Resident Engineer	516-376-2144
Vinny Evola	BWE	On-site PM	516-807-2870
Ray Fitzpatrick	ERM	Site H&S Officer	516-921-4300
Frank Talmo	Mobile Dredge	Dredge Supervisor	610-659-8474
Bob Sims	Mobile Dredge	Project Contact	610-650-8474

Topics per attached agenda.

Work Progress for week 5:

July 9 - July 14, The roofing installation on the filterpress building was continuing. Process equipment piping and HDPE dredge and discharge lines will be hooked up to header line by the end of the week. The clarifier is complete, turbidity monitoring stations are being set up. CLE's hydrographic survey data and comparison of point shots correlates well with ET data, verified sludge thickness data and water column measurements with ET field crew. Delivery of silt curtains.

Work Schedule for next 2 weeks (July 12-July 23):

NYSDEC asked BWE to prepare 2-week schedule outlines for each weekly meeting indicating their planned activities. (see attached)

The remainder of miscellaneous process equipment will be hooked up and electrical connections made. BWE will repair a section of the perimeter fence that was opened to allow entrance of the filter presses and install a section of fencing near the gymnasium to divert pedestrian traffic. Equipment set up anticipated to be complete by Friday, July 16 except for electrical wiring. Anticipate to begin check out of electromechanical systems starting Monday, July 19. Week of July 19 will begin to conduct dry test of system, followed by wet testing (draw water from deepest region of lagoon and pass through treatment plant, no lake discharge until testing and analytical results are in), followed by initial dredge/sediment processing pilot test. Dredge test will provide a small volume of sediment for one mix tank and filterpress to provide filtercake and treated filtrate for analysis. Feed rate will be approximately 500-800 gpm, volume anticipated is 15,000 gallons of slurry at approximately 3% solids to produce approximately 3.5 cy of filter cake. Treated water will be held for analysis to meet discharge criteria.

Earth Tech conditionally approved the Dredge Operations Plan for the shallow/shoreline excavation. The

lagoon excavation will begin on Monday, June 19. BWE has a separate access agreement with the McLeod property for access with an excavator. BWE will provide a copy of the agreement to DEC. BWE expects the sediments to dewater sufficiently to be able to dry excavate the lagoon and east shoreline of the lake. BWE will institute medical monitoring, lay out work areas for the lagoon, protect personal property, and control cross-contamination during excavation activities. Shoreline will commence with pushing nearshore material further into lake in a berm and protect the shoreline from redeposition after the lake level rises.

Health and Safety Status:

Contractors will work under BWE general H&S plan as an addendum to the site specific H&S plan. This was acceptable for the mobilization activities. Tailgate safety meetings will continue and will inform personnel of each day's scheduled work. At the commencement of work, all on-site personnel will be required to read and sign ooff on the site H&S Plan.

Decontamination pad was completed, and additional H&S materials supplied to the site. All personnel will have completed 40-hour H&S training prior to the commencement of dredging and processing operations.

Technical Issues:

Fish Eradication :

Discussed increase in quantity of fish removed from the lake and that BWE will summit an increased cost, (change order) for the extra effort that Miller Environmental supplied for fish collection. BWE will submit a description of the extra work and related cost.

Photodocumentation of Bulkheads and Barberry Road:

Photodocumentation of bulkheads is complete. BWE is requested to provide video and photos to the Engineer per the specifications.

Site Security:

The site security issue still has not been totally resolved. Ivy Court is open and unprotected, although the school yard processing area is locked. Site still does not have proper security as specified.

Daily Field Reports:

Field reporting format and delivery is satisfactory.

Other Submittals and Additional Items:

Turbidity monitoring will be conducted with a 'real time' continuous turbidity monitor located on the dredge. A station on land (in BWE construction trailer) will collect the data by radio signal or cable, which ever means works more effectively. A sediment sample was sent to the factory for 'factory calibration' of the turbidity meter.

Discussion of lowering of water line and logistics for shallow excavation. ET will closely monitor. Excavator will pull back material to where dredge will have sufficient draft to collect. Two rows of silt

fence will be installed, three feet apart and supported every three feet to prevent redeposition.

Provisions are being made for Willetts Creek excavation which will begin in early August.

BWE will have technical personnel on site Friday to discuss how in-place sediment volumes will be measured by survey instrumentation on the dredge, and the type of output that can be supplied to ET for review on a daily basis.

Steve Kim of ET will schedule a site visit to review the sediment processing/water treatment equipment prior to wet testing.

Contract Issues:

Bi-monthly payment request by BWE disapproved by DEC. DEC does not have available personnel to process bi-monthly requests.

The monthly update requirement for MBE/WBE utilization is made directly by BWE to Vincente Alfonso at DEC.

Subcontractor list submitted by BWE looks acceptable. DEC requested a weekly update to the list as to produce a complete 'running' list of subcontractors.

Change order for the weigh scale is still under review. DEC would like to combine the three change orders into one in order to expedite the process through DEC.

Meeting was adjourned at 2:00 PM.

Friday 7/16

1. Discharge & dredge pipe fusing & installation continues
2. Finish all system piping
3. Screen chutes
4. Finish screen cloth installation
5. Continue electrical wiring to all starters
6. Clearing for lagoon access
7. Lower lake outfall weir additional 18 to 20 inches
8. Sand delivered to one sand filter
9. Startup and test generator
10. Sand filter catwalk & railing installation
11. Jog pump motors & check rotation

Monday 7/19

1. Finish dredge pipes
2. Finalize all system piping
3. Jog ad check rotation of all pumps & motors
4. Jog 60' conveyor
5. Jog screen motor
6. Finish screen cloth installation
7. Electrical wiring to all equipment.
8. Remove lagoon weir
9. Fill other 2 sand filters with sand
10. Excavate lagoon into containers

Tuesday 7/20

1. Finish electrical wiring
2. Pump water from dredge to t s water test
3. Background air sampling
4. All motors pipes, and pumps testing with water
5. Pressure test dredge line 15 psi
6. Shoreline sediment excavated to deeper water
7. Installation of silt fence

Friday 7/23

1. Complete GPS system at dredge
2. Second step in pilot test (higher sediment dredging)

Dzus Fastener Site
Lake Capri/Willetts Creek Removal and Disposal Contract
Contract # D003972
Site #1-52-033
Week 6
July 21, 1999 – Weekly Project Meeting (Day 40 of 185)

On Thursday, July 21, 1999, at 1:45PM, the Week 6 Project Meeting was held at the on-site Resident Engineer's trailer. Attendees were:

Name	Company	Role	Phone#
Gerard Burke	NYSDEC	Construction Project Manager	518-457-9285
David Bartosik	Earth Tech	Resident Engineer	516-376-2144
Amy Van Laak	Earth Tech	Project Manager	518-458-1313
Michael Posillico	BWE	Owner, PM	516-249-1872
Jared Garraux	BWE	Assistant PM	516-249-1872
Vinny Evola	BWE	On-site PM	516-807-2870
Frank Talmo	Mobile Dredge	Dredge Supervisor	610-659-8474
Bob Sims	Mobile Dredge	Project Contact	610-659-8474
Mark Gouch	ERM	Project Engineer	516-921-4300

Topics per attached agenda.

Work Progress for week 6:

July 16 - July 21, continued construction of the sediment processing/water treatment plant and electrical panel. The roofing installation on the filterpress building is almost complete. Process equipment piping is anticipated to be complete by Friday, July 23. Completion of HDPE dredge and discharge lines and air pressure testing of lines. Hydrographic survey review indicates very close correlation of silt surfaces as compared to last year's survey conducted by Earth Tech. Total difference in volume between the CLE and ET surveys was approximately 500-600cy. Lowering of lake and lagoon water level to facilitate dry excavation lagoon. Lagoon excavation began on Monday, July 19. Excavation anticipated to be complete by Friday, July 23.

Work Schedule for next 2 weeks (July 26-August 6):

NYSDEC asked BWE to prepare 2-week schedule outlines for each weekly meeting indicating their planned activities. See attached schedule.

(Install hopper and screens, fill sand filters, place dredge and return piping below roadway in parking lot, finish lagoon excavation, begin Lake Capri north and east shoreline excavation, conduct wet test for process equipment, begin dredge pilot test)

Health and Safety Status:

BWE was requested again to provide credentials of Ray Fitzpatrick. BWE informed ET/DEC that John Shean will assist Ray Fitzpatrick with H&S responsibilities. Tailgate safety meetings will continue and will inform personnel of each day's scheduled work.

Technical Issues:

Photodocumentation of Bulkheads and Barberry Road:

Photodocumentation of bulkheads is complete. BWE presented site video tape to ET. Site photographs will be submitted next week.

Bulkhead Sediment Removal :

Submittal for use of backfill from 110 Sand was returned to BWE for lack of information. This submittal was resubmitted today with DOT approvals. The specifications require analytical results on the backfill which has not yet been completed. ET will visit the borrow source at 110 Sand.

Site Security:

BWE was asked again for an alternative site security proposal for anything other than what is specified in the specifications. BWE has changed locks on the entry gate off Barberry today and are enforcing a "locked" gate policy. A bell has been installed in the BWE construction trailer to announce traffic at the gate. A sign-in log is in use. Based upon the specifications requiring a 24 security guard, ET has calculated that $14,000. possible credit be issued back to DEC by BWE for this modification to the site security requirement. BWE stated that their bid was based upon using BWE site personnel for security guard requirements. DEC reminded BWE that the bid was to be based upon 24 hour security guard as outlined in the specifications. DEC will review and draft a memo to BWE regarding security.

Submittals:

ET requested that BWE submit submittals as set forth in the specifications (6 copies), that a consecutive numbering system be used, and that the accompanying letter of transmittal reference the specification section. BWE may submit more than one submittal per letter of transmittal as long as the appropriate reference number is used.

BWE is continuing to work on a submittal register.

Weigh Scale Pricing Documentation:

Prior to DEC accepting a change order for the weigh scale, BWE will respond with the cost of utilizing its scale versus providing a scale on site.

Memo#2 Action Items:

Turbidity curtain details and type and material has been submitted and is being reviewed by ET.

Turbidity/TSS correlation was discussed. It appears that ET and ERM will attempt to find a procedure to measure and monitor turbidity based upon actual field conditions and calibrate based upon daily

measured parameters in the lake. Interference from sunlight, algae growth, and colloidal particles are some of the factors affecting measuring the turbidity/TSS in the lake water. ET will coordinate with Mark Gouch of ERM to have ET chemist, Brett Mongillo on-site to work out a methodology and procedure to follow.

Detailed Operations and Maintenance Plan as proposed in BWE's Workplan will not be submitted as a written plan. BWE assures that equipment and material issues and repair will be handled as not to delay the project schedule.

Additional Items:

The dredging pilot test submittal and shallow area sediment removal plan are under review by ET. Conditional approval was given to BWE for the lagoon and east shoreline sediment removal by dry excavation last week. Final comments will be given to BWE the week of July 26.

Analytical results for a post-excavation composite sediment sample collected in the north region of the lagoon reported less than 0.5 ppm cadmium (total) and 0.03 ppm cadmium (TCLP). Additional sampling (two more samples) will be collected from the dry excavated regions of the lagoon for cadmium analysis. After the water level is reestablished, two more sediment samples will be collected for analysis. A total of five post-excavation samples are required per the specifications.

Tracking of excavated/dredged/processed materials from site to Babylon Landfill. DEC requires manifesting of materials to Posillico's Farmindale facility . Mike Posillico explained that there is approximately a seven day turnaround time for processing 'poscrete' which is a continuous process. DEC will request a bi-weekly activity report on processing and transport of the final product 'poscrete' to Babylon Landfill. BWE confirmed that all material is destined for use at Babylon Landfill, except possibly large stones, which if clean may go to another location.

Debris will be disposed of at 110 Sand or the Babylon Landfill. ET/DEC distinguished the difference between clearing/grubbing (included in pay item.'Mobilization/Demobilization') and debris removal (included in pay item 'Non-hazardous debris') as outlined in the specifications.

Willetts Creek excavation will be scheduled to take place and be completed by August 13, 1999. Fred Kobel will be notified of the schedule. Prior to work in Willetts Creek, Fred Kobel will indicate where sprinkler system heads are located in the area so BWE can protect them from damage.

Contract Issues:

Change Orders:

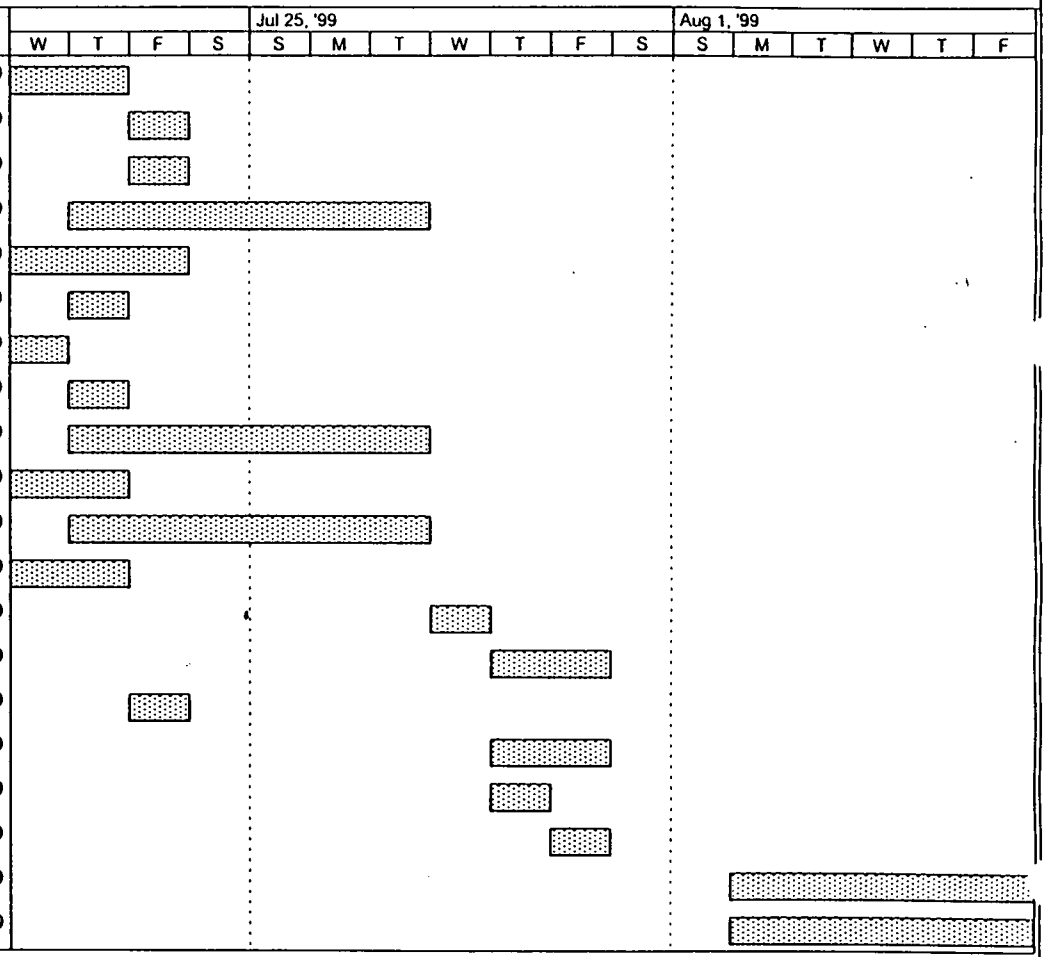
- **Change Order 1** – Storm Water Basin construction and debris removal. Under review by ET.
- **Change Order 2** – Weigh Scale. Awaiting cost comparison from BWE.
- **Change Order 3** - Fish Eradication overrun. Miller Environmental will submit additional costs to BWE. Additional testing was requested by DEC Fisheries Division (Stonybrook).

Since the processing of Change Orders by the State is slow, DEC expressed that Change Orders should be expedited by BWE.

Meeting was adjourned at 2:30 PM.

BLUE WATER ENVIRONMENTAL, INC.
DZUS - LAKE CAPRI DREDGING PROJECT
TWO WEEK SCHEDULE
7/21/99 TO 8/6/99

ID	Task Name	Duration	Start	Finish
1	Screen Shoots	2 days	Wed 7/21/99	Thu 7/22/99
2	Top Roof Panel	1 day	Fri 7/23/99	Fri 7/23/99
3	Road Crossing	1 day	Fri 7/23/99	Fri 7/23/99
4	Sand Filters (water & sand)	4 days	Thu 7/22/99	Tue 7/27/99
5	Complete System Piping	3 days	Wed 7/21/99	Fri 7/23/99
6	Screen Cloth	1 day	Thu 7/22/99	Thu 7/22/99
7	Electrical Wiring Complete	1 day	Wed 7/21/99	Wed 7/21/99
8	Light Installation	1 day	Thu 7/22/99	Thu 7/22/99
9	System Dry Test (all motors & pumps)	4 days	Thu 7/22/99	Tue 7/27/99
10	Lagoon Excavation	2 days	Wed 7/21/99	Thu 7/22/99
11	Excavate Shoreline & Shallows (silt fence)	4 days	Thu 7/22/99	Tue 7/27/99
12	Background Air Sample	2 days	Wed 7/21/99	Thu 7/22/99
13	Wet Test	1 day	Wed 7/28/99	Wed 7/28/99
14	Install Turbidity Curtains	2 days	Thu 7/29/99	Fri 7/30/99
15	Install GPS & Flow Meter	1 day	Fri 7/23/99	Fri 7/23/99
16	Pilot Test	2 days	Thu 7/29/99	Fri 7/30/99
17	Low Concentration	1 day	Thu 7/29/99	Thu 7/29/99
18	High Concentration	1 day	Fri 7/30/99	Fri 7/30/99
19	System Startup & Dredge Operations	5 days	Mon 8/2/99	Fri 8/6/99
20	Willetts Creek Excavation	5 days	Mon 8/2/99	Fri 8/6/99



Dzus Fastener Site
Lake Capri/Willetts Creek Removal and Disposal Contract
Contract # D003972
Site #1-52-033
Week 7
July 29, 1999 – Weekly Project Meeting (Day 48 of 185)

On Thursday, July 29, 1999 at 12 p.m. the Week 7 project Meeting was held at the on-site Resident Engineer's trailer. Attendees were:

Name	Company	Role	Phone #
Robert Knizek	NYSDEC	Project Supervisor	518-457-9285
Gerard Burke	NYSDEC	Construction Project Manager	518-457-9285
Mike Posillico	Blue Water Environmental (BWE)	Owner, PM	516-752-2145
Dave Bartosik	Earth Tech (ET)	Resident Engineer	516-376-2144
Vinny Evola	Blue Water Env.	Project Manager	
Robert Sims	Mobile Dredge & Pump	Subcontractor	618-497-9500
Jared Garraux	BWE	Project Engineer	516-752-2145
Steve Kim	Earth Tech	Design Engineer	215-244-7143

Topics per attached agenda.

Work Progress for Week 7

July 21-28, 1999:

Continued construction of the sediment processing / Water treatment plant and electrical panels / electrical connections.
Rotation check of all motors was performed and rewiring done as necessary.
The Lagoon and shallows excavation were completed and silt fences installed. Areas not considered shallows along the southeast shore were pre-dug to create enough draft for the dredge. This totaled four properties along the shoreline.
Equipment has been decontaminated and moved to the Willetts Creek North Excavation (Phase 1) area.
Preliminary post-excavation sampling was conducted to determine the effectiveness of the cleanup. Final confirmation sampling will be done when silt fences have been removed to determine if suspended particles have re-migrated to the excavation area.
The weir boards were reinstalled at the Lake Capri outfall on 7/28/99 to allow the lake to recharge for the Wet Test of the process system.
Prep work for the Willetts Creek excavation has begun and Fred Koelbel's office has been notified of our schedule. The School Board is cooperating with school activity / scheduled event coordination.

Work Schedule for next two weeks (July 30 – August 11)

NYSDEC asked BWE to prepare 2 – week schedule outlines for each weekly meeting indicating their planned activities. See attached schedule.
(Install hopper and screens, conduct wet test for process equipment, begin dredge pilot test)
Complete all process equipment installation. Conduct the wet test and shake down procedure at the ground water treatment plant.

At Lake Capri: Set up and calibrate the turbidity monitoring system, install the turbidity barriers, install the work zone marker buoys after completion of the above and final clean up.

Health & Safety Status:

BWE was requested again to provide credentials of the replacement for Ray Fitzpatrick (i.e. John Sheehan or whoever may be rotated in). BWE informed ET/ DEC that John Sheehan will assist Ray Fitzpatrick with H&S responsibilities. Tailgate safety meetings will continue and will inform personnel of each day's scheduled work. ETI requested that the H&S Officer conduct an audit prior to operations to ensure compliance with the Health & Safety Plan.

Technical Issues:

Photo Documentation of Bulkheads and Barberry Road:
BWE still did not have the photo documentation ready. They were reminded that the specifications are detailed as to the requirements & format for presentation.

Bulkhead Sediment Removal:
Analytical information on 110 Sand was submitted today. The Borrow Source (110 Sand) will be visited by Earth Tech.

Site Security:

BWE was asked again for an alternative site security proposal for anything other than what is specified in the specifications. BWE has changed locks on the entry gate off Barberry today and are enforcing a "locked" gate policy. A bell has been installed in the BWE construction trailer to announce traffic at the gate. A sign-in log is in use. Based upon the specifications requiring a 24 hour security guard, ET has calculated that $14,000 possible credit be issued back to DEC by BWE for this modification to the site security requirement. BWE stated that their bid was based upon using BWE site personnel for security guard requirements. DEC reminded BWE that the bid was to be based upon 24-hour security guard presence as outlined in the specifications. DEC will review and draft a memo to BWE regarding security.

Submittals:

BWE has been complying with the requirements for submittals presented last week and now is using the numbering system. BWE presented the following submittals at this meeting:
#65 Change Order #2: Fish Collection pricing
#66 Weight Scale Credit / Rental costs
#67 Schedule of Submittals
#68 O&M Submittal

Submittals for the Solids and Water Processing System

The Owner, NYSDEC, asked the Contractor to submit all the submittals specified in the contract document prior to the operation of the system. The Engineer reminded that the design drawings and other design-related report will have to bear the imprint of the licensed New York professional engineer's seal, stamp, and the engineer's signature.

The Contractor expressed their concern that there may not be shop drawings for some of the processing equipment units that were rented, old, and/or fabricated by the Contractor. In response, the owner suggested that the Contractor submit available shop drawings and cut sheets under the heading of "Shop Drawings Submittal."

Memo #2 Action Items:

Turbidity curtain details and type and material has been submitted and is being reviewed by Earth Tech.
Mobile Dredge submitted a clarification memo on the deployment technique.
Turbidity / TSS correlation was discussed. It appears that ET and ERM will attempt to find a procedure to measure and monitor turbidity based upon actual field conditions and calibrate based upon daily measured parameters in the lake. Interference from sunlight, algae growth, and colloidal particles are some of the factors affecting measuring the turbidity / TSS in the lake water. ET will coordinate with Mark Gouch of ERM to have ET chemist, Brett Mongillo on-site to work out a methodology and procedure to follow. Brett Mongillo is available until August 15th (not August 1st as was stated at last week's meeting.

Additional Items:

Steve Kim of Earth Tech (Design Engineer) was on site to review the process design. He requested that the design drawings be resubmitted with a raised seal stamp, a stamped ink imprint that is reproducible, and the signature of the engineer who sealed the drawings. Also, Section H of the Solids & Water Processing System Design Plan should be stamped, sealed, and signed in the same manner. Additionally, Steve Kim toured the Process Area and generated the following List of Items to be Completed:

As of 7/30/1999 10:00 in the morning, the solids separation and water treatment system was substantially completed. Based on the observations, the list of items that need to be completed is prepared below.

Shaker screen

- Roll-off bin, screens, handrails, belt guards

Hydrocyclone

- The sand discharge line from each LAX unit to the conveyer belt should be secured.
- Roll-off bin

Recessed plate and frame filter press

- The pressure relief line from the feed pumps to the slurry feed line needs to be completed.
- Polymer should be on site. (Did not see polymer)
- The FP #2 (from the trailer side) has a gap between the "black rubber" conveyer belt and the FP conveyer end, and the filter cake can drop on the floor of the secondary containment basin through the gap.

Dynasand filter feed line

- Chemical injection point should be installed prior to the pump suction line.
- The chemical feed system, i.e., chemical feed pump(s), chemical feed control system, etc. should be installed.
- The vertical portion of the feed line should have a cap or should be blocked. It is open now.

Dynasand filter

- Installation of the air monitor/control panel should be completed.
- Air line connections should be completed.
- Sight gauge to facilitate measurement of hydraulic head loss.

Lamella clarifier

- Polymer feed pump, feed control, and polymer storage should be provided.

Effluent pipeline

- Flow meter should be installed.
- Sample port should be installed.

Others

Holes in the liner should be patched.
Pump at stormwater retention basin: discharge from dry prime should be extended to the liner area.

Lagoon Notes:

Analytical results for a post-excavation composite sediment sample collected in the North region of the lagoon reported less than 0.5 ppm Cadmium (total) and 0.03 ppm Cadmium (TCLP). Additional sampling (two more samples) will be collected from the dry excavated regions of the lagoon for cadmium analysis. After the water level is re-established, two more sediment samples will be collected for analysis. A total of five post-excavation samples are required per the specifications.

Respectfully submitted,

Amy Van Laak
Project Manager

cc: Attendees
Project File

Dzus Fastener Site
Lake Capri/Willetts Creek Removal and Disposal Contract
Contract # D003972
Site #1-52-033
Week 8
August 5, 1999 – Weekly Project Meeting (Day 55 of 185)

On Thursday, August 5, 1999, at 12:00PM, the Week 8 Project Meeting was held at the on-site Resident Engineer's trailer. Attendees were:

Name	Company	Role	Phone#
Gerard Burke	NYSDEC	Construction Project Manager	518-457-9285
David Bartosik	Earth Tech	Resident Engineer	516-376-2144
Amy Van Laak	Earth Tech	Project Manager	518-458-1313
Steve Kim	Earth Tech	Design Engineer	215-244-7143
Michael Posillico	BWE	Owner, PM	516-752-2145
Thomas Spatafora	BWE	Assistant PM	516-752-2145
Vinny Evola	BWE	On-site PM	516-376-2142
Frank Talmo	Mobile Dredge	Dredge Supervisor	800-635-9689
Tom Zgrodnik	Larsen Engineers	Earth Tech Support	516-376-2144
Brian Heneveld	ERM	H&S Officer	516-921-4300
Mark Gouch	ERM	Technical Engineer	516-921-4300

Topics per attached agenda.

Work Progress for week 8:

July 28 - August 4, shallow excavation along the eastern shoreline of the lake was completed and two rows of silt fence installed. Sampling indicated two areas along the shore where reported cadmium concentrations exceeded 1 ppm. This is not considered post-excavation confirmatory sampling, but information for the contractor as to the status of the work done. The silt fence will be repositioned during lake dredging to allow the dredge to remove more material in the areas of cadmium exceedences.

Willetts Creek excavation began on Monday , August 2, 1999. The northern region, station 7+50 – 9+50 was completed on Monday. The lower Willetts Creek region to the north and south of the footbridge were excavated on Tuesday and Wednesday, August 3 and 4. An estimated 252cy of material were removed from the creek compared with 311cy 'engineer's estimate'. Post-excavation confirmatory samples were collected and results are anticipated this afternoon.

The dry test of the process equipment was completed to the satisfaction of BWE and is confirmed in a correspondence letter from them. The 'wet' test began August 4 and BWE is continuing to fix leakage points.

Work Schedule for next 2 weeks (August 5 – August 19):

NYSDEC asked BWE to prepare 2-week schedule outlines for each weekly meeting indicating their planned activities. See attached schedule.

(Site cleanup, dredge pilot test, process area miscellaneous items, treatment system startup and dredging) BWE will conduct pilot dredge program in low and high cadmium sediment areas and collect samples of filtercake, sands and processed water for compliance. If results returned by Monday, August 9 are within specified limits, BWE will commence with the full dredge program on Tuesday, August 10, 1999.

Health and Safety Status:

A H&S audit was conducted on Tuesday, August 3, 1999 by Brad Advil of ERM for BWE. ET has requested a copy of the report. BWE will submit by day's end a spread sheet of present status of site personnel and their required 40-hour training.

Site and community air monitoring program is in effect. Data has been collected over the last 2-week period which includes background readings at the north and south boundaries of the process area. ET reminds BWE that specifications be followed and information reported weekly as specified. There is a 1-week turnaround time for laboratory analysis. BWE may bring out a weather station that would produce real time weather data at the site. Presently BWE is using weather data from Farmingdale. Tailgate safety meetings will continue and will inform personnel of each day's scheduled work.

Noise monitoring readings report background readings of about 50db, readings at the fence line with the conveyor and shaker operating was reported to be 83db. The conveyor is loud but may operate quieter under wet operating conditions. Specifications reference the town noise ordinance, which is complaint driven and not does not specify a decibel level. Hearing protection will be distributed as needed. ET requests that BWE gather noise data near school windows and on Saturday mornings to be sensitive to the local community and school.

Site conditions were audited and issues presented to BWE for review. BWE is completing daily H&S reports and will forward late reports to ET. ET requested that prior notice be given to ET when exchanging out site H&S personnel.

Technical Issues:

Photodocumentation of Bulkheads and Barberry Road:

The first set of site photographs was submitted during the meeting as well as video tapes.

Bulkhead Sediment Removal :

Submittal for use of backfill from 110 Sand was approved. This location will also be used for non-hazardous debris disposal.

Site Security:

BWE and DEC will address BWE proposed alternative and DEC's request for return credit at a later date.

Turbidity / TSS Correlation:

The calibration test was conducted and provided some correlation of TSS reading between all probes but not with the lab provided calibration data. ERM and ET will continue to discuss the results and find an acceptable way to collect, use and interpret data during the dredging. ERM believes qualitative information can be determined and used beneficially. More discussion and review of the results will be conducted after the meeting.

Lagoon Excavation Status:

Samples indicated exceedences of cadmium (16 ppm) in the southeast region (depression). Two more confirmatory samples will be collected after the lagoon has fully recharged. BWE requests clear direction from DEC if they have to go back into the lagoon to remove more material due to access issues. DEC will review internally and clarify what the next step will be. DEC requested that a depth sounding be done to identify the extent of the remaining soft sediment material that overlies the natural sand.

Lake Excavation Status:

Shoreline excavation reported two locations with cadmium concentration in the sediment samples greater than 1 ppm. These locations will be accessible to the dredge when the lake dredging operation begins.

Willetts Creek Excavation Status:

Analysis from post excavation samples collected in the northern excavation region reported cadmium concentrations near 100 ppm . Results from the lower creek region are not yet available. DEC requested that silt fencing be placed in the region across the creek to prevent migration of exposed sediments downstream until a decision can be made for its removal. The contract documents do not specify a pay item for any re-excavation in the creek beyond the specified depth requirements. DEC requested that additional sample cores be taken in the northern excavation region to delineate the extent of cadmium within the remaining soils.

Memo#4 Action Items:

Items in Memo #4 were briefly discussed and BWE is working on compliance.

Analytical Report Format and Timing:

ET requested BWE follow specifications on timely delivery of analytical reports and format of presentation of those results.

As-Built Information:

Contract documents require BWE to produce as-built and formatted documentation of work and analytical results for the final report. ET will work with BWE to format information accordingly.

Dredge Sequence at Outfall:

Discussion of southern region of lake losing water as a result of silt layer removal. Hydraulic conditions are not known and the drought has a probable impact on recharge to the lake. BWE will need to reconsider their dredge sequencing and be prepared to provide a recharge if necessary. Lake levels are

still below normal level and is recharging slowly after being lowered for the shoreline excavation. Presently plastic sheeting covering the weir prevents any water discharge from the lake. Discuss other ideas to retain head in lake in case of loss due to removal of silt layer. ET will discuss any available information it has regarding the lake hydraulics. Discuss silt curtain locations and deployment.

Contractor Generated Waste:

Contractor generated waste will be separated and disposed of at 110 Sand at the contractor's expense.

Clarification of Moisture Content of Filtercake:

Discussed how samples will be collected and composited for analysis of moisture content. Samples would be collected hourly from each dump trailer to represent the material in that load to be transported offsite. Samples would be designated per the manifest for the truck load as mm/dd/## (08/15/02 – Aug/15/ second truckload). A composite of the hourly samples from each dump trailer will be analyzed for moisture content. Moisture content will be used to verify tonnage for payment based upon acceptable moisture content specified. Excess moisture would be converted to a water weight and be a credit back to DEC.

Mobile Dredge Reporting Format:

Dredge movement will be monitored by an onboard GPS unit and software program that will have a real time display of location, area covered and depth of cut which will provide a daily cubic yardage of sediment removal. A flowmeter and nuclear densiometer on the cutter head will measure the percent solid slurry feed and rate to the process equipment.

Status of BWE Poscrete shipments to Babylon Landfill:

BWE will provide DEC with the Purchase Order from Galvin for the material going to the Babylon Landfill. Any reject material will be recycled at Posillico's facility. A tracking system/spreadsheet will be established for transport of all processed sediment materials to final disposition at the landfill. BWE is compiling a data base of information for that portion of the project and this will be made available to DEC.

Additional Items:

BWE may remove sediment layer adjacent to the outfall while water level in the lake is still below the overflow. This is under review by BWE and ET.

Mobile Dredge provided information on the refueling needs of the dredge. It is anticipated that refueling will need to take place twice weekly. This would be accomplished using overpack 55 gallon drums set in a supply boat which would be filled at the docks at the southern end of the lake. Spill kit supplies will be maintained at the site.

Metering and monitoring of process equipment would be covered in detail later in the day between Steve Kim (ET) and Mark Gouch (ERM).

The non-hazardous debris removed to date is approximately 166 cy. This amount exceeds the estimated quantity of 100 cy.

The following submittals were submitted by BWE:

Photodocumentation for month 1
O&M reporting logs
Test Results,(7/16 Crusher Run)
Resubmittal of dredge sequencing map

Contract Issues:

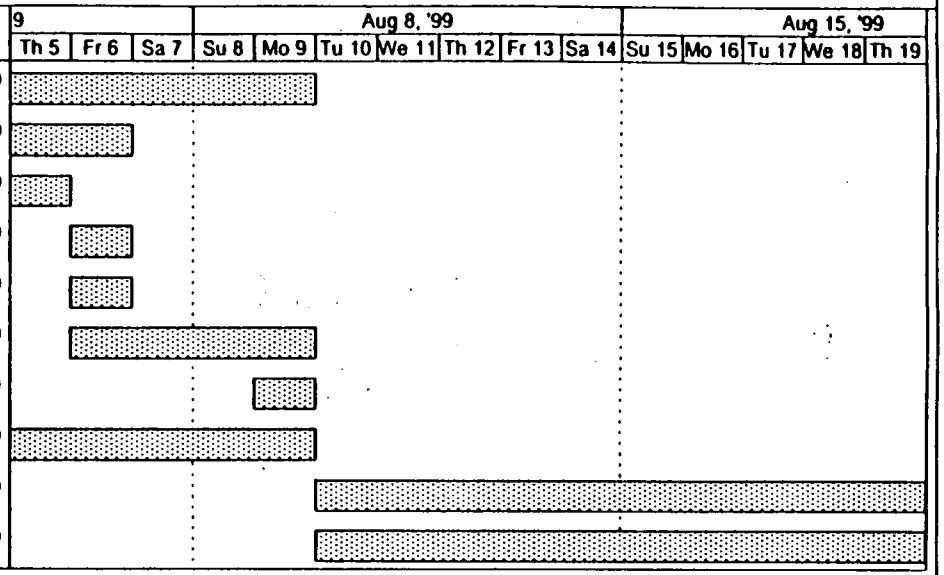
Change Orders:

- **Change Order 1** – Storm Water Basin construction and debris removal. Under review by ET.
- **Change Order 2** – Weigh Scale. Cost comparison from BWE has been submitted and is under review. DEC requested certificates and certifications for Posillico's scale.
- **Change Order 3** - Fish Eradication overrun. BWE has submitted a breakdown of additional costs.

Meeting was adjourned at 2:30 PM.

BLUE WATER ENVIRONMENTAL, INC.
DZUS - LAKE CARPI DREDGING PROJECT
TWO WEEK SCHEDULE
8/5/99 TO 8/19/99

ID	Task Name	Duration	Start	Finish
1	Site Cleanup Before Systems Start	3 days	Thu 8/5/99	Mon 8/9/99
2	Pilot Test	2 days	Thu 8/5/99	Fri 8/6/99
3	Low Concentration	1 day	Thu 8/5/99	Thu 8/5/99
4	High Concentration	1 day	Fri 8/6/99	Fri 8/6/99
5	Rework Truck Wash	1 day	Fri 8/6/99	Fri 8/6/99
6	Trailer Ramp	2 days	Fri 8/6/99	Mon 8/9/99
7	Lagging	1 day	Mon 8/9/99	Mon 8/9/99
8	Shaker Catwalk	3 days	Thu 8/5/99	Mon 8/9/99
9	System Startup & Dredge Operations	8 days	Tue 8/10/99	Thu 8/19/99
10	Treatment System Operations	8 days	Tue 8/10/99	Thu 8/19/99



Dzus Fastener Site
Lake Capri/Willetts Creek Removal and Disposal Contract
Contract # D003972
Site #1-52-033
Week 9

August 12, 1999 – Weekly Project Meeting (Day 62 of 185)

On Thursday, August 12, 1999 at 12:30 p.m. the Week 9 project Meeting was held at the on-site Resident Engineer's trailer. Attendees were:

Name	Company	Role	Phone #
Gerard Burke	NYSDEC	Construction Project Manager	518-457-9285
Mike Posillico	Blue Water Environmental (BWE)	Owner, PM	516-752-2145
Dave Bartosik	Earth Tech (ET)	Resident Engineer	516-376-2144
Kevin P. McGrath	ET	Asst. Resident Engineer	518-435-7251
Thomas Zgrodnik	Larsen Engineering	ET Support	516-376-2144
Vinny Evola	Blue Water Env.	Project Manager	516-752-2145
Mark Gouch	ERM	BWE, O&M Support	516-921-4300
Robert Sims	Mobile Dredge & Pump	BWE, Subcontractor	618-497-9500
Frank Talmo	Mobile Dredge & Pump	BWE, Subcontractor	800-635-9689
Tom Spatafora	BWE	PM, Asst.	516-752-2145
Brian Heneveld	ERM	BWE, H&S Officer	516-921-4300

Topics per attached agenda.

Work Progress for Week 9

August 4 – August 11, 1999:

Process cycles run for areas of known high Cadmium concentrations and known low Cadmium concentrations. Analytical results for filter cakes indicated that pressed soils do not exceed hazardous waste characteristic profile criteria.

H&S audit completed by ERM, no major H&S problems identified. Several minor H&S problems were identified and addressed and most were eliminated. Other H&S issues, specifically regarding routine decon procedures for site, equipment, and workers will be addressed more thoroughly as operations become steadier.

Substantial amount of "punch-list" work completed to prepare for full operation and to satisfy the Health and Safety Audit.

Initial pilot test for process water treatment plant failed to achieve discharge levels for Zinc. SPDES permit allows for 72µg/l of Zinc and laboratory analytical results reported 75µg/l. System process was modified; modifications included a higher concentration of injected flocculants to increase removal of suspended solids, and a reduction in the Dynasand filter total filter mass to improve liquefaction within the tanks. Analytical results for post-modification samples reported that concentrations of Zinc below the SPDES discharge levels have been achieved. After review of the data, NYSDEC authorized BWE to begin full operation. System to be fully operational by Monday, August 16, 1999.

Work Schedule for next two weeks (Aug 5 – August 25)

A work schedule for the next two weeks was submitted by BWE (copy attached). Phase I – Zone I dredging will begin on Thursday August 12, 1999 and continue through August 25, 1999. No other work is currently scheduled.

Health & Safety Status:

Air Monitoring: No exceedences were reported along the site perimeter. ERM suggested that the wet operations would likely prevent any exceedence in the future. ERM suggested that the air monitoring be continued for one to two more weeks and if results continue to display no exceedences that the air monitoring be discontinued. Discussion tabled until August 25, 1999.

Noise Monitoring: Monitoring off site commenced on August 3, 1999. To date, readings indicate that noise from site operations is comparable to light traffic, similar to the noise levels along RT 27A. Readings of 73 db were reported from the area of the High School. Specifications do not specify a numeric action level or a reporting frequency. Reporting will be included in the daily operations report and due by 10 AM the following day. Action levels will be developed if complaints from the community necessitate them. As of this time, no noise complaints have been received.

Submittal of Daily H&S reports delayed by transition of personnel. Reports to be brought current and submitted to ET by Friday August 13, 1999.

Weather station: on-site station is not functional. New equipment will be available and installed on Monday August 16, 1999.

Technical Issues:

Turbidity/TSS: No correlation can be established between the turbidity monitoring results and the TSS analytical results. Dredge operations will be allowed to continue under the assumption that the turbidity plume created by the dredge will continue to be insignificant unless daily analytical results report an exceedence. ET will monitor the plume visually on a daily basis. The outfall from the lake has been isolated with a double silt barrier as an added precautionary measure.

Details for the remobilization to and excavation of the non-compliant areas of Willets Creek and the Lagoon, as identified by the interim post-excavation sampling results, are to be prepared and submitted by BWE prior to 8/25/99. Change orders, as needed, will be submitted at the conclusion of negotiations between BWE and NYSDEC.

O&M Manual for balance of process submittals to be completed by 8/19/99.

Restoration of Junior High School Property: BWE reported that Mr. Fred Koelbel, for West Islip School District Grounds Administrator indicted that no work needs to be completed prior to the commencement of school. They (school district) would prefer that restoration be completed at a future date when weather conditions are more favorable for success.

Earth Tech will prepare a checklist of information, forms, etc., to be included in the daily submittal to ET by BWE. The completed checklist and required reports will be submitted together. BWE was reminded that they have fallen behind on their submittals of Analytical data/daily monitoring reports. Earth Tech agreed to work cooperatively with BWE to create a reporting format and forms for BWE to use to submit analytical data and monitoring information. The forms will be produced by BWE with ET's assistance.

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BWE offered to increase the sampling frequency for the wastewater treatment system from monthly, as required by the specifications, to weekly. NYSDEC agreed that this change was sensible in light of the compliance difficulties experienced during the pilot/shakedown. NYSDEC has authorized BWE to temporarily continue dredging in the event of an exceedence of one or more of the SPDES discharge limits on the condition that the necessary system modifications required to return the system to compliance be implemented in a timely manner and that the treatment system be retested after modification and demonstrated as evidenced by analytical results to have been brought back into compliance in accordance with the contract specifications.

BWE indicated their intention to submit an application to NYSDEC to raise the SPDES discharge levels for Zinc.

Submittals:

BWE presented the following submittals at this meeting: NONE

Photo Documentation of Bulkheads and Barberry Road overdue: To be completed and submitted by 8/25/99.

BWE to supply required submittals before system operations begin on Monday August 16, 1999. BWE stated that submittals would be ready before 5PM Friday August 13, 1999.

Additional Items:

Decisions regarding holiday work-schedule have not been made at this time. Tentative schedule will be ready by next weekly meeting (August 19, 1999). Final schedule will be prepared by 8/25/99 meeting.

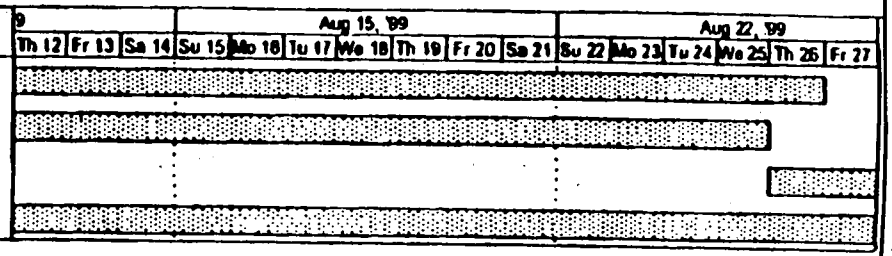
Respectfully submitted,

Kevin P. McGrath
Asst. Resident Engineer

cc: Attendees
Project File

BLUE WATER ENVIRONMENTAL, INC.
DZUS - LAKE CAPRI DREDGING PROJECT
TWO WEEK SCHEDULE
8/12/99 TO 8/26/99

ID	Task Name	Duration	Start	Finish
1	Dredging Operations	11 days	Thu 8/12/99	Thu 8/26/99
2	Dredging Phase I - Zone 1	10 days	Thu 8/12/99	Wed 8/25/99
3	Dredging Phase I - Zone 2	2 days	Thu 8/26/99	Fri 8/27/99
4	Water & Solids Treatment Systems	12 days	Thu 8/12/99	Fri 8/27/99



Dzus Fastener Site
Lake Capri/Willetts Creek Removal and Disposal Contract
Contract # D003972
Site #1-52-033
Week 11

August 26, 1999 – Weekly Project Meeting (Day 76 of 185)

On Thursday, August 26, 1999 at 12:00 p.m. the Week 11 project Meeting was held at the on-site Resident Engineer's trailer. Attendees were:

Name	Company	Role	Phone #
Dave Bartosik	Earth Tech (ET)	Resident Engineer	516-376-2144
Thomas Zgrodnik	Larsen Engineering	ET Support	516-376-2144
Vinny Evola	Blue Water Env.	Project Manager	516-752-2145
Mark Gouch	ERM	O&M Consultant	516-921-4300
Robert Sims	Mobile Dredge & Pump	BWE, Subcontractor	618-497-9500
Frank Talmo	Mobile Dredge & Pump	Dredging supervisor	800-635-9689
Tom Spatafora	BWE	Supervisor	516-752-2145
Brian Heneveld	ERM	BWE, H&S Officer	516-935-2686
Jared Garaux	BWE	Project Assistant	516-752-2145

Topics per attached agenda.

Work Progress for Weeks 10 - 11

August 11 – August 25, 1999:

Shakedown runs on processing system encountered some problems. Sand not being removed by LAX units; larger pump and related piping installed to resolve problem.

Slurry feed into filter presses clogged the cloths, shut down pressing operations on Thursday 8/19, washed the cloths 8/20 – 8/21. After restart on Monday 8/23, cloths clogged again. Perlite filter aid was initially added to one press on Tuesday 8/24 with a 3 hour cycle time; good results achieved. Perlite run with a 1.5 hour cycle time was tried on Wednesday 8/25, with equally good results. All the filter presses were re-plumbed on 8/25 to utilize Perlite, and a suction tube / water feed line were constructed to a batch mix tank. All press runs since use of Perlite have yielded good results, with low moisture content in the pressed solids. Seven cake drops occurred between 1730 hrs and 2300 hrs on the evening of 8/25, until Perlite supply was exhausted. No clogging has re-occurred, and problem appears to be resolved.

Work Schedule for next two weeks (Aug 25 – September 1)

RE requests BWE to update and revise the full schedule for projected dreding operations based on production rates to date. Revised schedule should be available for review at the next meeting on 9/2/99.
Everyone agrees that 21 days of dredging should bring project to end of Phase 1. RE advises to leave sufficient time to take into account the shortfalls at the end of each dredging cut, i.e. bulkhead areas, corners of lake, around islands, footbridges, etc. Next meeting on Thursday; Gerard Burke will arrive on site Friday a.m. Coverage over the Labor Day holiday weekend needs to be arranged.

Health & Safety Status:

Crewmen are getting lax about wearing hard hats. RE reminds attendees that Mike Posillico received concussion recently on site because of failure to wear hard hat. Health & Safety Officer made the same observation.
Weather station is still not functioning. The related computer will be on line in the next few days.
Dedicated computer is now on site for H&S Tech to use; reports should be forthcoming in the near future. This week's submittals may be delayed due to non-routine sampling requirements. An additional person will be on site next Wednesday and Friday to conduct noise monitoring at the Lake.
Compilation of air monitoring results to date were handed to RE during meeting. Lab results show no problem with dust. H&S Officer repeated his request to discontinue air monitoring, and RE denies request on the basis that Perlite is now on site and creating significant amount of airborne particulates. RE will review data for the next two weeks to see if a problem exists, and then pass on request to terminate air monitoring. H&S Tech may have difficulty maintaining coverage of duties by himself now that production is increasing to a consistently high level.
Noise monitoring results may be reported in terms of an average, with note on daily submittals referencing a specified page in the Noise Monitoring 3-ring binder.
RE advises everyone involved that a close-out document from another project is on its way to the site, so that the required format for daily report submittals can be viewed and used as a guide to determining how information should be presented for documentation purposes.

Technical Issues:

Slides from first two photodocumentation submittals should be finished and on site by next Wednesday. Next set of pictures should be on site by this Friday, with slides following approximately one week later.
Analytical reports, QA / QC items should be forthcoming next week. Jeremy Wolf will be taking samples at Lake Capri outfall next week for turbidity, TSS, TDS, etc. He will also re-examine his sample tasks and ensuring that necessary duplicates for QC are also taken.
Everyone should look over the packet of forms and tables constructed by Tom Zgrodnik to ascertain whether the information being collected is segregated by type of data, and categorized into a proper, reportable format.
The stone, sand, and filter press cakes produced by the processing system should be receiving not only Total Cadmium analysis, but also TCLP analysis for Cadmium if total Cd is in excess of 20 mg/Kg. This will alleviate future problems with the disposal of the materials if analytical data is present to back up the claim that the materials are non-hazardous.

Submittals:

Equipment modifications to processing system has not been submitted, with the exception of informal and incomplete packets of manufacturer's catalog descriptions.
Jeremy Wolf has been keeping a master sample log, but it has not been submitted for review.
Turbidity report from Dredging operations needs to be submitted. Also need compliance monitor out on the Lake.

Additional Items:

Need scale weight tickets returned to RE's office on a more consistent basis by the drivers. Also need a timely return of moisture content results on the filter press cake solids so that invoicing and payments have a tangible correlation.
Frank Talmo offers two options for reporting the in-place cubic yards of material dredged from the Lake. He can either download the data directly to the ET office via e-mail or continue with manual reports. This information will be forthcoming on a weekly basis at minimum. He will advise the RE by Monday if the information can be reported by download on a Friday, so that it can be plotted and returned in time for weekly meetings on Thursdays.
Vinny Evola needs to prepare a daily report as required in the specifications under "Project Record Documents".
Vinny can leave the site to focus on updating this aspect of documentation requirements if he needs to do so.

Contract Issues:

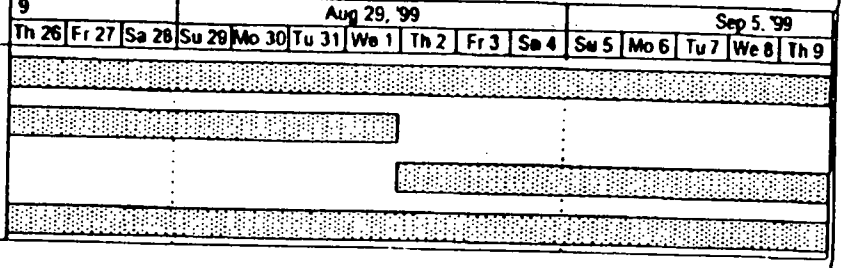
Mike Possillico and the RE have had discussions involving payment for cake solids based on varied methods of calculations of moisture content. However the issue has still not been fully resolved, and it needs to be determined soon. The methodology needs to be agreed on by all parties. RE indicates that a deduction will be made for cake solids less than 45%, but no additional payment will be made for cake solids in excess of that figure.
Invoice #2 has been drafted, and preparations are being made to forward it to Albany.
Change Orders were covered at length on Tuesday 8/24 and Wednesday 8/25.

Respectfully submitted,

David Bartosik
Resident Engineer
cc: Attendees
Project File

BLUE WATER ENVIRONMENTAL, INC.
DZUS - LAKE CAPRI DREDGING PROJECT
TWO WEEK SCHEDULE
8/26/99 TO 9/9/99

ID	Task Name	Duration	Start	Finish
1	Dredging Operations	11 days	Thu 8/26/99	Thu 9/9/99
2	Dredging Phase I - Zone 1	5 days	Thu 8/26/99	Wed 9/1/99
3	Dredging Phase I - Zone 2	6 days	Thu 9/2/99	Thu 9/9/99
4	Water & Solids Treatment Systems	11 days	Thu 8/26/99	Thu 9/9/99



Dzus Fastener Site
Lake Capri/Willetts Creek Removal and Disposal Contract
Contract # D003972
Site #1-52-033
Week 12

September 2, 1999 – Weekly Project Meeting (Day 83 of 185)

On Thursday, September 2, 1999 at 12:00 p.m. the Week 12 project Meeting was held at the on-site Resident Engineer's trailer. Attendees were:

Name	Company	Role	Phone #
Amy Van Laak	Earth Tech (ET)	Project Manager	518-435-7208
Dave Bartosik	Earth Tech	Resident Engineer	516-376-2144
Thomas Zgrodnik	Larsen Engineering	ET Support	516-376-2144
Michael Posillico	Blue Water Env.	Manager	516-752-2145
Vinny Evola	Blue Water Env.	Project Manager	516-752-2145
Mark Gouch	ERM	O&M Consultant	516-921-4300
Robert Sims	Mobile Dredge & Pump	BWE, Subcontractor	618-497-9500
Frank Talmo	Mobile Dredge & Pump	Dredging supervisor	800-635-9689
Tom Spatafora	BWE	Supervisor	516-752-2145
Brian Heneveld	ERM	BWE, H&S Officer	516-935-2686
Jared Garaux	BWE	Project Assistant	516-752-2145
Greg Shkuda	ERM	QA/QC	516-921-4300

Topics per attached agenda.

Work Progress for Weeks 11 - 12

August 26 – September 1, 1999:

Dredging operations at Lake Capri: The dredging of Zone One has been completed, with the exception of cuts along the east and west shoreline and around the islands. It was observed by Earth Tech that the muck layer immediately behind the dredge was removed, but subsequent spot checks of areas dredged previously have revealed that the loose silt has migrated. The material is light and fluffy, and appears to be sloughing down into areas that were dredged
A total of 1.63 million gallons have so far been discharged to the lake. The water in the lake will be recycled through the processing system several times by the end of the project.
BWE has requested extended work hours to perform dredging and processing operations, ideally 1.0 to 1.5 additional hours. Neighbors haven't complained about operations, and the BWE / MDP crews would like to make 7 passes per day, and end the day with empty tanks and empty presses. This would achieve optimum performance of the processing system. BWE has applied for extended hour dispensation.

Work Schedule for next several weeks

BWE presented an updated and revised schedule for projected completion of the project.
Tentative dredge completion date is October 27, 1999. Project demobilization anticipated on November 8 – 12, 1999.
A schedule is attached.

Health & Safety Status:

Daily safety meetings have not been conducted routinely due to swing shifts being implemented by BWE.
H&S Officer has emphasized that the sign-in log be used since not all personnel are signing in.

The weather station is not yet operational. Artie is working on the station, and will have a report by next Thursday.
Exhaust fumes: Complaints of fumes were reported at the school. ERM will purchase Draeger tubes to have on hand to test the air quality if further complaints are made. An exhaust stack for the electrical generator may be required.
Safety meetings / tailgate sessions: all personnel need to review the requirements for PPE, use the Sign-in Log Sheet, and exercise better hygiene practices on the job. A form will be developed for safety meeting attendance.
Safety meetings will begin again starting with the morning of September 3. RE reminds the meeting attendees that the personnel on second shift also need to review the safety requirements.
Engineering controls for dust generated by Perlite will be implemented by erecting a tent over the "bubble box" used for mixing Perlite and water.
Cadmium-bearing dust from truck traffic will be controlled by more frequent water sprinkling on the roads.
Filter cake falling off trucks during loading can be avoided by closer and more frequent observation during these activities.
Treatment operation difficulties are causing more housekeeping needs than normal.
Use of hard hats, PPE, belt guards, and other safety items need more attention from all workers on the site.

Technical Issues:

Analytical results / QC matters: The critical samples included in the Category B Deliverables package should be returned and available for review by September 9th, along with related maps indicating sampling locations. The end point samples involving the shoreline / perimeter will also be included. ET reminds BWE that it requires copies of all analytical reports.
Water Quality: the first full round of water quality samples for SPDES was taken on August 19th, with a 5-day laboratory turnaround time requested.
Surface water samples were collected on Friday August 27 at the Lake outfall. Parameters included TSS, Turbidity, Total Cd, and Dissolved Cd.
Turbidity Monitoring / Reporting: ERM wants to discontinue turbidity monitoring based upon data collected and will provide a printout by Friday September 3, 1999.
The SPDES Permit requires pH monitoring, regardless of the fact that processing / treatment does not alter the pH of the incoming water. This is being done manually on site.
SPDES Permit reporting is on a monthly basis; August 13th was the official date of operational startup.
The Master Sample Log being compiled by ERM's sampling tech needs reformatting to be useable, and the pertinent data needs to be extracted from the compilation.
TCLP procedure has not yet been run on any filter press cake samples since the pilot test. Although the specifications require TCLP data for every 150 cubic yards of processed material, a daily TCLP on filter cake composites will be acceptable based upon the preliminary work completed by BWE on Cadmium sediment. Based upon daily results for a period of 1 –2 weeks, the frequency of sampling and analysis may be revised. NYSDEC requires TCLP on filter cake to verify non-hazardous classification. It is in the interest of BWE to ensure that adequate data is available to document the material is not hazardous. BWE will request 2-day turnaround on sampling results.
Filter cake sampling techniques were ironed out. On a daily basis, a 5 gallon plastic bucket will be placed alongside each filter press. The press crew will remove a piece of cake from each cake drop out of each press throughout the day. A composite sample will be formed at the end of operations on each day. The composite will be analyzed for percent solids, total Cd, and TCLP for Cd. This sampling procedure will begin immediately (September 2nd). Likewise, daily composite samples will be taken from the sand and stone waste streams. Each composite will be analyzed for total Cd.
The Turbidity Monitoring Alarm on the dredge appears to be working properly, as evidenced by its activation during a slurry force line break on September 1, 1999.
Status of dredging (elevation profile and volume estimate) will be sent to ET and ERM by DLE after plotting the data. ET requests this information weekly.

Submittals:

Slides and Photographs: Vinny Evola says these items should be in his hands by tomorrow (September 3rd).
The O&M Manual was submitted today.

Additional Items:

Coverage during the Labor Day Weekend will be available if circumstances (e.g. rainstorms) necessitate. The retention basin will be drawn down as far as possible, the tanks will be empty, and someone will be available to cover the site during this long holiday weekend.
Daily reports are due at the RE's office each day by 10 a.m. BWE is still behind in submitting DFRs. ET requested that more recent DFRs be completed and submitted.
Dredge line inspection reports are to reflect the four times each day that inspections are made. The entire length of the lines require inspection, right up to the fence line at the processing / treatment area. Frank Talmo will remind his crew to inspect these lines beyond the footbridge at the Lake.

Contract Issues:

Change orders continue to be discussed by BWE and Dave Bartosik of ET.
Payment request #2 was submitted by BWE.

The meeting was adjourned at 2:20 p.m.

Respectfully submitted,

David Bartosik
Resident Engineer
cc: Attendees
Project File

Dzus Fastener Site
Lake Capri/Willetts Creek Removal and Disposal Contract
Contract # D003972
Site #1-52-033
Week 13

September 9, 1999 – Weekly Project Meeting (Day 90 of 185)

On Thursday, September 9, 1999 at 12:15 p.m. the Week 13 project Meeting was held at the on-site Resident Engineer's trailer. Attendees were:

Name	Company	Role	Phone #
Gerard Burke	NYSDEC	DEC Project Manager	518-457-9285
Amy Van Laak	Earth Tech (ET)	ET Project Manager	518-435-7208
Dave Bartosik	Earth Tech	Resident Engineer	516-376-2144
Thomas Zgrodnik	Larsen Engineering	ET Support	516-376-2144
Michael Posillico	Blue Water Env.	Manager	516-752-2145
Vinny Evola	Blue Water Env.	Project Manager	516-752-2145
Robert Sims	Mobile Dredge & Pump	BWE, Subcontractor	618-497-9500
Frank Talmo	Mobile Dredge & Pump	Dredging supervisor	800-635-9689
Brian Heneveld	ERM	BWE, H&S Officer	516-935-2686
Jared Garaux	BWE	Project Assistant	516-752-2145

Topics per attached agenda.

Work Progress for Weeks 12 - 13

September 2 – September 8, 1999:

Dredging operations at Lake Capri: During the previous week, five passes were made to end Work Zone 1. In addition, six passes were made toward the end of Work Zone 2. Dredging resumed on Tuesday September 7 until the slurry line became plugged after three passes had been made. Heavy rains this week on Wednesday September 8th precluded dredging operations temporarily. Obstruction in the line was not removed until late evening of September 8, 1999. The stormwater retention basin was drawn down to feed the filter presses during this period. The recent storm generated more than 2 inches of rain within a few hours, which correspondingly generated a large volume of runoff into the retention basin. The basin was filled to capacity, and a high loading of fines was apparently deposited into it. The filter cloths became partially plugged with these fine particles. MDP is changing filter cloths on some presses.

Work Schedule for next several weeks

BWE intends to schedule work operations on Saturdays to keep on overall schedule.
The stormwater basin needs to be cleaned out. BWE requests to send the upper half of the water volume in the retention basin to the water treatment system by means of a manifold and valves to each tank, as a contingency for further storm events. The lower half of the water volume would be sent to the filter presses. The DEC recommended that a written proposal for this assembly be submitted. BWE would partition costs for this with DEC charging for manifold system.
Additionally, BWE would like to floc mix tanks during Phase II operations. The clarified water would be sent to the water treatment system, and the fraction containing the sediment would be sent to the filter presses. Blue Water will submit a detail of this procedure for approval.
The work schedule submitted last week did not reflect the second pass in Phase 1. BWE would like to finish Phase 1, bulkheading in Phase 1, bulkheading in Phase 2, and not re-dredge the second pass in Phase 1. Also. because the silt moves within the lake towards the south end, they would like to start Phase 2 at the northern end and move

toward the south, taking enough cuts to reach the required elevation. BWE will submit a revised schedule and dredging plan to reflect these changes.
In Zone 3, the dredging will also be North to South.
Grab samples will be taken to check the Cadmium levels after dredging Phase 1 to ascertain mass removal and remaining Cd levels in the lake.

Health & Safety Status:

The weather station is still not operational. The ability to document rainfall, etc. without the weather station is difficult. ERM will supply a person to start up the weather station.
Draeger tubes have not yet been ordered. BWE will ask ERM to have the tubes on site as soon as possible.
Other issues have taken more time and priority over daily safety meetings. These meetings need to be maintained, and Jeremy Wolf from ERM will assist with documenting this requirement.

Technical Issues:

Analytical results and QA / QC matters: Jeremy Wolf of ERM has submitted a spreadsheet summary of categorized and chronologically ordered sample data.
The Category B Deliverables package was not delivered due to an apparent miscommunication.
Monthly sampling results for SPDES compliance is being compiled, and to date, all samples indicate that water discharged to Lake Capri is within permit levels.
Sampling results need to be submitted for TCLP on filter cake. Stone and sand will receive total Cd analysis on composited samples, which formally began on last Friday September 3, 1999.
The lab for ERM has re-run the samples that yielded high results in the 20,000 ppm range, and they are reviewing the raw data. Results in this range are suspected to be erroneous, and there may be a decimal error by two orders of magnitude. This instance serves to underscore the need for daily review of analytical results by the QA / QC officer.
Miller Environmental is handling the lagoon re-dredging. This operation got underway today, and check samples will be taken upon its completion. The hose jetting can direct its discharge into the Channel, without concern of recontamination in areas already excavated within the lagoon.
Frank Talmo will contact CLE in regard to the dredging maps, elevation levels, and related floppy discs. Susan Nilson from CLE has reportedly submitted information to ET in Albany (Peter Kane).
Mr. Evola is working on compiling thirty days of Daily Field Reports that remain outstanding.

Submittals:

BWE has received the Video documentation package for month #3, and the slides of all three months have also been received by BWE. These items were submitted to the RE today.

Contract Issues:

Discussed mass average methodology for Pay Item 10B as presented by BWE, along with the individual load calculation method. NYSDEC will review the BWE calculations and their reasoning for the mass average approach over the entire job.
Invoice #3 (due 9/13/99) will not be accepted without all Daily Field Reports complete to date.

The meeting was adjourned at 2:10 p.m.

Respectfully submitted,

David Bartosik
Resident Engineer
cc: Attendees
Project File

Dzus Fastener Site
Lake Capri/Willetts Creek Removal and Disposal Contract
Contract # D003972
Site #1-52-033
Week 15

September 23, 1999 – Weekly Project Meeting (Day 104 of 185)

On Thursday, September 23, 1999 at 12:30 p.m. the Week 15 project Meeting was held at the on-site Resident Engineer's trailer. Attendees were:

Name	Company	Role	Phone #
Gerard Burke	NYSDEC	DEC Project Manager	518-457-9285
Amy Van Laak	Earth Tech (ET)	ET Project Manager	518-435-7208
Dave Bartosik	Earth Tech	Resident Engineer	516-376-2144
Thomas Zgrodnik	Larsen Engineering	ET Support	516-376-2144
Michael Posillico	Blue Water Env.	Manager	516-752-2145
Vinny Evola	Blue Water Env.	Project Manager	516-752-2145
Robert Sims	Mobile Dredge & Pump	BWE, Subcontractor	618-497-9500
Frank Talmo	Mobile Dredge & Pump	Dredging supervisor	800-635-9689
James Rocco	ERM	Manager	516-921-4300
Jared Garaux	BWE	Project Assistant	516-752-2145
Loren Walicki	ECNE	QA / QC data review	516-921-9393
Andrea Williams	ET	ET inspector	516-376-2144

Topics per attached agenda.

Work Progress for Weeks 14 - 15

September 9 – September 22, 1999:

Dredging operations at Lake Capri: During the previous week, the northeast cove area was completed from the east side of the island up to the footbridge at the McLeod's residence (Ivy Court). On Wednesday 9/15, some deeper areas below grade were dredged. On Thursday 9/16, dredging operations were shut down in preparation for approaching Hurricane Floyd. The stormwater retention basin was emptied of silt and sand to make room for stormwater, and it did overflow at approximately 1730 hrs during the end of the storm. Friday 9/17 was a cleanup day. The schedule has lapsed due to the hurricane, and the November 24th completion date has been changed to December 3rd. BWE estimates the west and the south bulkheading to be completed by October 1st. Discussed approaches to southern bulkhead dredging / backfill prior to working in Zone III. This may leave the opportunity to re-suspend sediments in the southern area already completed. BWE will reconsider this approach.

Work Schedule for next two weeks

Dredging during the next two weeks will be along the Western shoreline (Phase I and II) and along the southern bulkhead. Phase II portions of the West cove and East cove also need to be done.
Saturday work is likely. BWE would like to have some flexibility to move into different work zones as time and work requirements permit. DEC would prefer to follow the Work Zone to Work Zone as proposed in the modified dredging plan. The DEC requests a written submission regarding the approach in the southern bulkheads and how the southern region will be protected from re-silting.

Health & Safety Status:

The weather station is now operational, and is apparently yielding accurate information.
The air monitoring requirements and the data acquired to date will be reviewed for possible reduction in monitoring frequency or eventual phase out of the air monitoring program.

Technical Issues:

The results of TCLP analytical results on filter cake, and details on the new stockpile plan, were presented in a letter of correspondence. NYSDEC will review the BWE submittal on statistical analysis completed by BWE. Blue Waters will distribute copies.
Tom Spatafora will provide sufficient information on transport to hazardous waste facility if filter cake fails TCLP. In the event that the cake does fail TCLP analysis, the load will be quarantined and arrangements will be made for proper transport to Model City. A failed load may remain on site for 1 week. Proper placarding and hazardous waste manifests will be required. There will also be a review of the analytical data, the resample data, and the quantities to transport to the landfill.
The information from turbidity monitors requested on 9/9/99 was received today.
Lorin Walicki will submit an updated Master Sample Log each Friday.. It will show the status of all samples, and the sample ID's will be consistent to prior ID nomenclature.
The Category B Deliverables from the laboratory were delayed. There were anomalies noted in the June / July data, and they are being reviewed by the lab. The DEC chemist requested QC data from BWE's laboratory. The QC questions will be answered by next week. Information on cake generated prior to 9/15 will have lab results within two days. Cake generated after 9/15 will require another 30 days before QA/QC review is completed. That data is due 10/24/99 to the DEC. The DEC will provide final determination after review of this data once received.
Site-processed materials will be sampled according to a new protocol, and a DEC representative will witness all sampling activities.
Frank Talmo reported that dredging operations are nearing completion of Phase I, and the start of Phase II is approaching. BWE will ensure the QC of dredging / sampling at grade. The HyPac computer onboard the dredge will not yield a hydrographic survey map. Currently, the dredge operator manually records the depth of excavation at any given point along the dredge's path. The computer can only show the path taken and does not record the vertical depth of the auger head. If elevation is determined to be in error after a hydrographic survey, that data point will be invalidated and BWE will go back again to rectify.
BWE will discuss (after the meeting) procedures to follow to have grade control during Phase II. The following items will be addressed in a letter to the state:

1. Collection of data to plot points (x. y coordinates) and dredge grade
2. If soft material is encountered, it will be assumed to be contaminated and will be removed
3. During a shutdown, an SOP should address retaining control of the dredge line and the draft of the dredge
4. Detail of contingency if the dredge line should break

Fred Koelbel of the West Islip School District will review the upper Willetts Creek area restoration schedule.

Submittals:

The clock recorder tapes from the security guards for the months of August and September were submitted today.
Data from the Turbidity Monitors was submitted by ERM for BWE.

Contract Issues:

An estimated payment was set up for payment of Invoice #3 (% solids of filter cake and tonnage). The final payment will reflect changes. BWE has submitted the first group of Change Orders.
Clarification on the terms "dredge", "re-dredge" and "additional dredging" will be submitted to BWE by the next meeting.
The DEC may be required to approve the request for additional wage dispensation as long as one person works more than 16 hrs / day, six days per week.

Change Orders:

None

The meeting was adjourned at 2:15 p.m.

Respectfully submitted,

David Bartosik
Resident Engineer
cc: Attendees
Project File

Dzus Fastener Site
Lake Capri/Willetts Creek Removal and Disposal Contract
Contract # D003972
Site #1-52-033
Week 17

October 7, 1999 – Weekly Project Meeting (Day 118 of 185)

On Thursday, October 7, 1999 at 10:00 a.m. the Week 17 project Meeting was held at the on-site Resident Engineer's trailer. Attendees were:

Name	Company	Role	Phone #
Gerard Burke	NYSDEC	DEC Project Manager	518-457-9285
Dave Bartosik	Earth Tech	Resident Engineer	516-376-2144
Thomas Zgrodnik	Larsen Engineering	ET Support	516-376-2144
Michael Posillico	Blue Water Env.	Manager	516-752-2145
Joe Posillico III	Blue Water Env.	Supervisor	516-752-2145
Angelo Occhiocharrio	Blue Water Env.	Crew Foreman	516-752-2145
Vincent Evola	Blue Water Env.	Project Manager	516-752-2145
Robert Sims	Mobile Dredge & Pump	BWE, Subcontractor	618-497-9500
Mark Gouch	ERM	Manager	516-921-9393
Frank Talmo	Mobile Dredge & Pump	Dredging supervisor	800-635-9689
James Rocco	ERM	Manager	516-921-4300
Jared Garaux	BWE	Project Assistant	516-752-2145
Loren Walicki	ECNE	QA / QC data review	516-921-9393

Topics per attached agenda.

Work Progress for Weeks 16 - 17

September 23 – October 6, 1999:

Dredging operations at Lake Capri: During the previous week, it was anticipated that Phase II operations would begin on Friday September 30th. However, a survey of the lake bottom revealed an appreciable amount of mud existed in the southern end of the lake. The quantity of mud was sufficient to justify returning to that area and continuing to dredge in Phase I from the Southern Island to the border of the lake at Montauk Highway. Currently, the filter press operations are running at an average of 24 to 25 drops per day. Cake is being stockpiled until TCLP results are received from the laboratory, and the cake is cleared for removal from the work site.

Work Schedule for next two weeks

It is anticipated that today (October 7th), Phase I operations in the south end of the lake will be completed and the dredge will move to the western part of Area 2 to begin the first part of Phase II. Dredging will proceed until 7 p.m. or until the tanks are filled, whichever occurs first. The turbidity curtains will be repositioned to accommodate the dredging in the NW corner of the lake, and the excavator on the barge will pull mud from the areas along the bulkheads where the dredge can't reach. The dredge will be positioned alongside the excavation barge to vacuum the material as the machine draws it away. As the dredge makes several short passes in that area, the excavator will backfill along the bulkheads simultaneously.

Health & Safety Status:

BWE had made a request to phase out air monitoring. The State desires to have the current air and noise monitoring program continued until further notice. School activities during the weekend preclude dropping the air monitoring. Also, the leaves are coming off of the trees, resulting in increased exposure of noise and dust particles to the neighboring residents. Proper engineering controls for dust should also be maintained. Documentation of ongoing air and noise monitoring will support the argument that worksite operations have had no impact on school children or area residents.

Medical monitoring: The employees at the work site should receive a hard copy of the results of their medical exam (blood, vision, hearing, EKG, etc.). The Health & Safety Officer was asked to follow up on getting these results from the clinic, and to distribute them to the employees. Kim Powell of BWE is also following up on this matter, and hopefully the information will be received by the end of the week.

Technical Issues:

Mike Posillico suggested that stockpiling the filter cake presents an issue of increased exposure to the site workers and he would like to pursue an alternative to stockpiling. Gerard Burke of NYSDEC noted that the anticipated decrease in cake generation during Phase II operations would alleviate problems encountered in the current stockpiling plan.

Tom Spatafora has made arrangements with ChemWaste in Buffalo NY to receive filter cake that fails TCLP. A generator ID# has been requested, along with the hazardous waste profile information the facility needs. The facility has agreed to accept 1000 tons of material from the site if necessary.

The filter cake that failed TCLP was converted to Poscrete on the day it was received. It is identifiable through documentation of the Poscrete pug mill logs, and can be cross-referenced to the appropriate manifest numbers. The stockpiles of filter cake that failed TCLP and turned into Poscrete can be identified at the PBA site.

Lorin Walicki noted that the required Compliance Monitoring of the water quality in the lake and at the outfall have all been within allowable limits. Weekly samples are collected and analyzed for Total Suspended Solids, Total metals, dissolved metals, and other parameters. She submitted a weekly data packet today, which includes tabulated summaries of the data.

The Category B Deliverables from the laboratory were delayed again. The lab has 2 packages to deliver later today, but Lorin will need at least two days to review the data before submitting the packages to the RE. The RE reminded Ms. Walicki that data covering four months of operations are now due, and that payment on the final invoice cannot occur until all documentation is delivered.

Bob Simms reported on the logistics of the upcoming Phase II dredging. He detailed the plan to start in the eastern corner of Area 2, and move toward the south. The floatation booms will be repositioned to run North – South, and backfilling along the bulkheads will proceed immediately following the dredging / excavation in those areas. Care will be taken to ensure the structural integrity of the bulkheads at all times. The level of the lake will be kept at approximately 3 feet throughout the operations. Every attempt will be made to remove the material adjacent to the bulkheads as long as dredging or excavation operations do not threaten collapse of the bulkheads.

The turbidity barriers will not be allowed to drag on the lake bottom during their re-positioning.

Samples collected in the shallows areas previously excavated showed good results, with only one location having a Cadmium level slightly over 1 mg / Kg.

Fred Koelbel of the West Islip School District has not inspected the upper Willetts Creek area yet. BWE will need a letter from him stating that the area has been restored to an acceptable condition.

Frank Talmo reported that a hydrographic survey was completed yesterday (October 6th), but results have not come back to him yet. Although a graphic representation of the survey will not be available for some time, the more basic results should be available by tomorrow. BWE and the RE would like to have that information shared in order to estimate the remaining in-place cubic yards of material.

Earth Tech has taken twenty-five samples of the lake bottom after Phase 1 operations, and the analyticals will be returned by next week. That data can be used to compare with BWE / ERM data.

A discussion on re-dredging and additional dredging ensued. Mike Posillico intends to charge for areas dredged that are beyond contract elevations. Mr. Burke and the RE would like a clear delineation of the time and materials required for those operations as distinguished from normal dredging operations. Mike Posillico wants to dredge the areas that need it and do it in as efficient a manner as possible without the additional set-up time and re-positioning required to return to an area after it has already been relocated. This is a possible item for dispute over contract payment items. The Survey / lab data will help to define what is needed. The RE suggested dredging to grade south

of the island, then as the dredge finishes up and is going "out the door", it will be relatively easy to reposition the dredge if additional cuts are needed south of the island.
BWE will have a person onboard the dredge next week to keep track of dredge elevations and positions. He will work cooperatively with the DEC inspectors to keep progress moving forward.

Submittals:

Vincent Evola is working on obtaining the Photo Documentation that remains to be submitted for the month of September.

Contract Issues:

Jarred Gareaux is working on Invoice #3. Invoice #4 will be ready on approximately the 24th of this month.

Change Orders:

None

The meeting was adjourned at 10:50 a.m.

Respectfully submitted,

David Bartosik
Resident Engineer
cc: Attendees
Project File

Dzus Fastener Site
Lake Capri/Willetts Creek Removal and Disposal Contract
Contract # D003972
Site #1-52-033
Week 18

October 14, 1999 – Weekly Project Meeting (Day 125 of 185)

On Thursday, October 14, 1999 at 1:00 p.m. the Week 18 project Meeting was held at the on-site Resident Engineer's trailer. Attendees were:

Name	Company	Role	Phone #
Amy Van Laak	Earth Tech	Project Manager	518-458-1313
Dave Bartosik	Earth Tech	Resident Engineer	516-376-2144
Tom Zgrodnik	Larsen Engineering	ET Support	516-376-2144
Angelo Occhiocharrio	Blue Water Env.	Crew Foreman	516-376-2182
Vincent Evola	Blue Water Env.	Project Manager	516-752-2145
Frank Talmo	Mobile Dredge & Pump	Dredging supervisor	800-635-9689
Jared Garaux	BWE	Project Assistant	516-249-1872

Topics per attached agenda.

Work Progress for Weeks 17 - 18

October 7 – October 13, 1999:
Dredging operations at Lake Capri: During the previous week, the dredge was re-positioned for the long cuts of Phase II operations to begin in Area 2 on Friday October 8th. The dredge immediately experienced difficulty in moving the slurry up to the processing / treatment area. A decision was made to return to the NW corner of the lake on Saturday October 9th to finish off areas with sediment that were left behind after Phase I. Bulkhead areas were difficult to enter with the dredge, therefore the excavator barge was brought into position to pull material out away from the bulkheads and into areas where the dredge could reach it.
Backfilling of the bulkheads is scheduled to start tomorrow (October 15th). The North area of the lake is now thought to be down to required excavation elevation.
On Monday October 11th, the pump impeller on the dredge was changed out. However, it became apparent that a booster pump was needed before beginning the Phase II operations along the western shoreline.

Work Schedule for next two weeks

BWE estimates three days will be required to dredge the area adjacent to the western shoreline, plus an additional day to dredge the shoreline itself. One more day will be needed to dredge from the southern island down to the southern bulkheads along Montauk Highway.

After completion of the western shoreline, the dredge will make cuts from the west to the east, progressing toward the southern portion of the lake with each successive pass. When it reaches the southern island, the dredge will be rotated to make short 60 foot passes along the island's eastern bulkheads.

For the next two weeks, the dredge will work on finishing up Zone 2 and will then progress to the northeastern cove area. Cadmium levels need to be checked in the NE cove area, and the dredging / re-dredging / additional dredging costs need to be worked out. As this area will most likely be done under dispute, Jared has prepared BWE's cost breakdowns for that dredging and a response to the Rich Roger's letter.

Health & Safety Status:

BWE has made an additional request to revise air monitoring requirements from daily to a weekly frequency.
Kim Powell from BWE is continuing to follow up on retrieving the personnel medical monitoring results.

Technical Issues:

The Echo Sounder, which was installed on board the dredge on Wednesday October 6th, appears to be working well. Charlie from BWE is also on board the dredge to confirm the echo sounder's readout by performing physical measurements of the depth to lake bottom behind the auger head. Correlation between tape measure depths and echo sounder readouts has been very good.

The Lakos units have been supplemented by modifications to the shaker setup. A thin mesh fabric has been placed under the coarse wire screen to remove sand before the stream enters the Lakos. The filter presses are keeping up with the input, but cake quality and cycle times have been degraded by the sand content. There have been only two drops of filter cake during the last three days.

A booster pump will be brought to the lake to help force the heavy solids up into the treatment / processing area. It is a diesel powered 200 hp pump capable of discharging approximately 2000 gpm. Vincent Evola will look into the mechanical capability of the filter presses to handle the additional flow. Angelo from BWE is also looking into using the retention basin as a settling pond to remove sand from the incoming slurry. A series of sandbag weirs will be placed in the basin to ensure that the pump at the basin will not get plugged with solids. The discharge from the pump may be re-routed directly to the water treatment system.

The post-Phase I Hydrographic Survey has been completed, and Frank Talmo reported that approximately 50% of the central area of the lake is already at the specified required excavation elevation, ± 3 inches. He said that an overlay survey, showing the pre- and post-excavation levels, would be available for review by next week's meeting.

Fred Koelbel from the West Islip High School District gave a verbal approval of the grounds restoration at the Willetts Creek area bordering the high school athletic field.

Vincent Evola is working on obtaining the Photo Documentation that remains to be submitted for the month of September.

Submittals:

The Change order for Lagoon Re-dredge was submitted by BWE.

The DEC received a response to the clarification letter by Rich Rogers of Earth Tech addressing the issue of 'dredging', 're-dredging', and 'additional dredging'.
BWE's response states they will proceed with work under Item 2B (re-dredging / additional dredging) at the current bid price of $20 / cubic yard until the total quantity of work under item 2B exceeds 460 c.y. In that event, BWE is requesting an adjustment to $226 / cubic yard for all quantities in excess of 115% of the engineers estimated quantity, assuming that filter pressing will continue to be utilized.

Certified payrolls were not submitted today, but will be forwarded by next week's meeting.

Contract Issues:

Jarred Gareaux submitted BWE's application for Payment #3 today.

Change Orders:

None

The meeting was adjourned at 1:50 p.m.

Respectfully submitted,

David Bartosik
Resident Engineer
cc: Attendees
Project File

Dzus Fastener Site
Lake Capri/Willetts Creek Removal and Disposal Contract
Contract # D003972
Site #1-52-033
Week 19

October 21, 1999 – Weekly Project Meeting (Day 132 of 185)

On Thursday, October 21, 1999 at 1:00 p.m. the Week 18 project Meeting was held at the on-site Resident Engineer's trailer. Attendees were:

Name	Company	Role	Phone #
Gerard Burke	NYSDEC	DEC Project Manager	518-457-9285
Steve Kim	Earth Tech	ET Engineer	215-244-7143
Dave Bartosik	Earth Tech	Resident Engineer	516-376-2144
Tom Zgrodnik	Larsen Engineering	ET Support	516-376-2144
Michael Posillico	Blue Water Env.	BWE Project Director	516-752-2145
Vincent Evola	Blue Water Env.	Project Manager	516-752-2145
Jim Rocco	ERM	QA/QC Manager	516-921-4300
Jared Garaux	BWE	Project Assistant	516-249-1872
Mark Gouch	ERM	Project Engineer	516-921-4300
Bob Simms	MD&P	Dredging / Pumping Supvr	610-497-9500

Topics per attached agenda.

Work Progress for Weeks 17 - 18

October 14 – October 20, 1999:
Dredging operations at Lake Capri: During the previous week, the dredge completed the Northwest area of the lake during the period from Thursday October 14th through Saturday October 16th. BWE collected three unofficial samples in the area to assess whether Cadmium had been removed to acceptable levels. The bulkheads in that area were also dredged, along with areas around and underneath the dock at 13 Barberry Rd.

The booster pump was set up by Mobile Dredge on Friday October 15th to assist dredge slurry transport to the processing area. The dredge then moved to the western shoreline and set up to make long passes from North to South for Phase II. There were two full passes and a portion of a third completed between Saturday October 16th and Monday October 18th until the dredge pump housing wore through due to sand abrasion at approximately 5 p.m. Dredging operations were down from Monday evening through Tuesday October 19th. A temporary repair to the pump enabled dredging operations to continue yesterday, October 20th.

It was decided by BWE to move into the southern area of the lake where the softer material would be easier on the pump until a replacement part could be obtained. The dredge is now in that area, and BWE plans to finish along the southern bulkheads by tomorrow evening (October 22nd). The pump housing and impeller will be changed out either tomorrow (10/22/99) or Saturday (10/23/99) before moving to the Northeast corner of the lake.

Work Schedule for next two weeks

Upon moving the dredge to the Northeast corner of the lake, BWE anticipates 3 days will be required to complete the removal of sediments in that area. This dredging is considered 'Additional Dredging' because although BWE surveyors have verified contract grade level, high concentrations of Cadmium still remain (0.12 ppm to a high of 44.0 ppm). A cut of 1 ft. will be made by the dredge, and then samples will be collected for total Cadmium analysis.

After dredging in the Northeast cove is completed, the amount of fine silt remaining in the lake is thought to be minimal, and Phase II can then begin, according to BWE original dredging plan. The dredge will be repositioned along the western shoreline again to finish Zone 2, Phase II.

The accompanying project schedule details the number of days required to accomplish the various tasks associated with work in Phase II dredging. BWE projects that all dredging operations and bulkhead backfilling will be completed, along with dredge demobilization, by Wednesday November 24th.

Health & Safety Status:

Kim Powell from BWE is continuing to follow up on retrieving the personnel medical monitoring results. The doctor who can release those forms is out, and the forms cannot be released without his approval.

BWE has made an additional request to revise air-monitoring requirements from daily to a weekly frequency. Gerard Burke (DEC) stated that he is reluctant to approve that change due to continuous activity at the school athletic field.

Noise monitoring on the lake was performed on Friday October 15th with the booster pump running, the noise level was approximately 92 decibels, or roughly 10 dB higher than the dredge alone. A full set of noise monitoring measurements could not be completed before the dredging / booster pump operations were shut down. No complaints of noise have been received from neighboring residents as a result of the addition of the booster pump.

Technical Issues:

The Echo Sounder on board the dredge continues to work well. BWE is also on board the dredge to confirm the echo sounder's readout by performing physical measurements of the depth to lake bottom behind the auger head, take readings of sludge depths, and marking locations of sediment pockets. Correlation between tape measure depths and echo sounder readouts has been very good.

The post-Phase I Hydrographic Survey has been completed, and Bob Simms brought a hard copy of the survey, showing the pre- and post-excavation levels. The representatives from CLE Engineering (who prepared the survey) are on the site today, and they will forward an electronic copy of the results to Earth Tech's office in Albany for review by Peter Kane. The survey shows that the dredge operator's dig codes and the elevations shown on the survey map do not coincide exactly. BWE requested a clarification of 'final grade', i.e. will it be determined by the contour lines or the excavation grade of the shaded boxes shown on Plan Sheet 7. Earth Tech will provide this clarification.

The RE reminded the CLE representative that a preliminary copy of the survey within each Phase II work zone is due within 12 hours of completing the survey, and that a finished hard copy is due for review within 48 hours of completion. BWE expressed concern that the estimated volume of materials to be removed, as judged from the hydrographic survey, does not correlate well with their original estimates.

Backfilling along the bulkheads should begin soon while the opportunity exists to offload sand to the barge during this period of relative calm in construction activity on Montauk Highway. Pratt Construction Co. is working outside the area required to gain access to the lake along Rte. 27A, and timely advantage should be taken of this opportunity.

BWE and ERM discussed modifications to the Water / Solids Treatment System with Steven Kim of Earth Tech. No formal presentation was available at this time.

Submittals:

None

Contract Issues:

Jarred Garaux will have the draft invoice prepared by Oct 24, 1999. Certified payrolls were not available.

The quantity of debris removed under Line Item 10f was 116% over estimates. Mike Posillico stated that he will charge the contract price for this line item, and will put that in a letter to the RE.

The RE stated that it is appropriate to address the Asphalt submittal in the near future.

Change Orders:

None

The meeting was adjourned at 4:00 p.m.

Respectfully submitted,

David Bartosik
Resident Engineer
cc: Attendees
Project File

Dzus Fastener Site
Lake Capri/Willetts Creek Removal and Disposal Contract
Contract # D003972
Site #1-52-033
Week 20

October 28, 1999 – Weekly Project Meeting (Day 139 of 185)

On Thursday, October 28, 1999 at 12:30 p.m. the Week 20 project Meeting was held at the on-site Resident Engineer's trailer. Attendees were:

Name	Company	Role	Phone #
Steve Kim	Earth Tech	ET Engineer	215-244-7143
Dave Bartosik	Earth Tech	Resident Engineer	516-376-2144
Tom Zgrodnik	Larsen Engineering	ET Support	516-376-2144
Michael Posillico	Blue Water Env.	BWE Project Director	516-752-2145
Vincent Evola	Blue Water Env.	Project Manager	516-752-2145
Jerry Vetter	MD&P	Subcontractor	610-497-9500
Mark Gouch	ERM	Engineering Consultant	516-921-4300
Bob Simms	MD&P	Dredging / Pumping Supvr	610-497-9500

Topics per attached agenda.

Work Progress for Weeks 19 - 20

October 21 – October 27, 1999:
Dredging operations at Lake Capri: On Friday October 22nd, the dredge completed the Southern area of the lake, south of the island and along the bulkheads adjacent to Montauk Highway. On Saturday October 23rd, the dredge moved up to the Northern end of the lake and into the area of the Northeast cove, where a 1 foot cut will be made to remove the remaining sediment in that area.

Work Schedule for next two weeks

When the dredge has completed its work in the NE cove, it will move to the Western shoreline and begin Phase II excavation. Following the work along the western shoreline, the dredge will move on to continue Phase II on the remaining bulk of the lake, and BWE will begin backfilling of the bulkheads on the western shore.

Health & Safety Status:

Kim Powell from BWE has finally obtained the personnel medical monitoring reports from the Bayshore Clinic, and copies of those reports have been distributed to the employees.

Technical Issues:

The treatment / processing systems are proposed to be modified. An increase in the ability to move water through the system is needed, and Mike Posillico would prefer not to use the filter presses as water pumps during the upcoming period of low % solids in Phase II. ERM will provide a submittal for the modifications.

Peter Kane (at Earth Tech's Albany office) has reviewed the post-Phase I Hydrographic Survey provided by CLE Engineering. According to the review, the estimation of the cubic yards of material removed is fairly consistent with MDP's estimate of approximately 16,000 cubic yards. Mike Posillico asked whether the original survey performed in June was used to perform those calculations from contour lines. At last week's meeting, the representative from CLE said the survey was made to box grade (not contour lines), and that the estimate was given for yards in situ.

Mike said that initial contract talks in Albany estimated about 19000 cubic yards (that figure represents BWE's estimate plus 15%).

As of this month's survey on October 5th, CLE estimates that approximately 2750 cubic yards remain to be removed in order to attain the contract grade level. Mike stated that the current estimate of 16,000 cubic yards already removed, added to the estimate of 2750 cubic yards remaining in Phase 2, is in agreement with BWE's original estimate.

Mike Posillico indicated that he has gone to the interface layer and excavated to hard bottom in required areas in order to remove the sediment from the lake. The RE asked Mike whether he considered the Western shoreline completed, and Mike replied in the affirmative, but that he will go back to do another three inches from that area. He would also like to receive compensation for it. In addition, he indicated that most of the Central and Eastern portions of the lake were already at grade. However, if he proceeds from this point and applies the contour lines specified in the contract, then the material that needs to be removed will bring the quantity well in excess of the yardage estimates. He questioned the validity of removing clean sand from those areas simply because the contour lines say to excavate to that elevation. He said that, in some areas, an overcut will achieve the desired goal, but in other areas, an overcut yields no benefit. These overcuts translate into a high cost with no real benefit in achieving the objectives of the project.

In response, Earth Tech's Engineer said that the contour lines in the contract documents were based on extensive sampling information. Therefore, to ensure that the contaminant is removed as planned, the lake needs to be dredged to the contour lines.

Jerry Vetter of MDP requested that the letter from Rich Rogers be retracted. Mike Posillico agreed, and expressed the need for a compromise on the discrepancy between dig codes vs contour lines. Mike, Jerry Vetter, and Bob Simms indicated that, if there were no flexibility on this issue, a one-week job shutdown would be required to reprogram the dig codes into the dredge computer. Mike indicated that BWE would continue to perform the additional dredging in the NE cove, and do the Western shoreline during the reprogramming period in order to keep forward progress moving on the project.

Steve Kim and the RE stated that the contract requires the contractor to dredge to the contour lines addressed in the Rich Rogers letter, and that it would stand as a contract requirement. The meeting ended at this point, with no further discussion of the remaining items on the meeting agenda.

Submittals:
None

Contract Issues:
None

Change Orders:
None

The meeting was adjourned at 1:40 p.m.

Respectfully submitted,

David Bartosik
Resident Engineer
cc: Attendees
Project File

Dzus Fastener Site
Lake Capri/Willetts Creek Removal and Disposal Contract
Contract # D003972
Site #1-52-033
Week 25

December 2, 1999 – Weekly Project Meeting (Day 174 of 185)

On Thursday, December 2, 1999 at 1:20 p.m. the Week 25 project Meeting was held at the on-site Resident Engineer's trailer. Attendees were:

Name	Company	Role	Phone #
Gerard Burke	NYSDEC	Project Manager	518-457-9285
Steven Kim	Earth Tech	ET Engineer	215-244-7143
Dave Bartosik	Earth Tech	Resident Engineer	516-376-2144
Bob Simms	MD&P	Crew Supervisor	800-635-9689
Michael Posillico	Blue Water Env.	BWE Project Director	516-752-2145
Vincent Evola	Blue Water Env.	Project Manager	516-752-2145
Andrea Williams	Earth Tech	Site Inspector	516-376-2144
Jared Garraux	Blue Water Env.		516-249-1872

Topics per attached agenda.

Work Progress since last meeting
November 4 –December 1, 1999:
North- South 300 foot passes along the western shore, up to the island, were completed and the area isolated with silt curtains to prevent migration of material. West-East passes were done down to the island and all bulkheads were backfilled. Samples taken in this area came up clean. Samples are collected at minimum, four hours after a final dredge pass is completed. An area, 300ft x 100ft, about 300ft north of the island was discovered with deeper silt than anticipated. This area was isolated and will be addressed later by moving the dredge back up north and making 100ft. east-west passes in the area, moving in a southerly direction which is on a down gradient. Problems with cold weather and debris caused dredging delays. A day was lost on Monday due to the sub-zero weather conditions and accompanying wind chill, which froze the lines. Most of the day was spent thawing lines and equipment, and the crew spent the night winterizing the equipment and putting drains on lines.

Work Schedule for next two weeks
BWE intends to work Saturday and Sunday (8 am to 8 pm- including processing) for the next two weeks to complete the southern end of the lake, including backfilling of bulkheads on the southern shore, and picking up the mud in the isolated mid-western area. East-West 100 foot passes in the isolated area would go directly into the bulkheads on the western shore. The depth of silt in this area is 3 to 6 inches deep. A sludge-judge is being used during dredging to confirm silt removal. Any loose silts remaining in the lake are anticipated to migrate down gradient to the southern end of the lake which will be dredged last. BWE reported that the entire lake area would be vacuumed after this is done to pick up any areas missed. It is anticipated that the entire project, including demob will be completed by Friday 12/24 with dredging and processing completed by Wednesday 12/15 as per the attached schedule by BWE. Lake testing and re-dredging should be completed before 12/15 with site restoration starting on Thursday 12/16. Mike Posillico agreed to pave the parking area, weather permitting. Gerard Burke and ET agreed that a town

representative should review the condition of Barbarry Road since BSE has photo-documentation of the road condition prior to the start of the project.

Health & Safety Status:

A new power wash and steam generator was put in for the equipment so personnel were briefed on the health and safety aspects of the apparatus

Technical Issues:

On the status of the hydrographic survey for zone I, Mike Posillico reported that the survey conducted came back but the north cove was not included, even though the silt curtain was opened up to allow access to the area. The surveyor will meet with BWE on Tuesday at 10am to discuss and schedule a survey for Zone II. Gerard Burke suggested that BWE make every effort to present a complete and realistic survey because schedules and payment will depend on comparison of pre- and post-excavation surveys. Mike was also advised to assure that both surveys are compatible for comparison. Steve Kim suggested preparing a list of questions or a checklist to review with Peter Kane (ET Albany). Information gathered from him should also include a list of parameters previously used, any changes made with reasons for these changes and the result of the change.

Gerard Burke voiced displeasure at BWE's disregarding the stipulated hours of operation on site. Calls from a neighbor about operation after the 11pm deadline were totally unfounded, though a pump left on overnight at the storm water retention basin was responsible for the noise coming from the site. This pump has since then been shut off at night and a muffler has been put on it. Dave later visited the neighbor who is pleased with the result. Hours of operation remain, with no work after 11pm.

A third press is on site and will be operational once a tarp, windbreak and heat are installed. This press will help increase filter cake production since the presses have not been keeping up with dredging, and it will be very helpful in handling the silty area of the lake just discovered, and the southern end to which material will most likely migrate. This will also shorten processing time and help to meet deadlines. A backboard at the base of the press, to contain sludge when loading, will also be constructed.

BWE's request for additional dredge days would have to be put into writing to be entertained by the DEC. This request to extend the contract period, according to Mike Posillico, is due to the totally unexpected volume of non-dredgeable debris (e.g. chunks of concrete, logs, tires, auto parts) encountered, which not only caused delays by their removal being time consuming, but also by wearing away equipment resulting in frequent replacement of parts. Additionally, a power failure, hurricane, denial of access to the entrance of the lake, a boat cleat plugging the discharge line are cited as factors which resulted in unforeseen delays and warrant consideration for extension of the contract period.

Poscrete quantities are debatable and would have to be verified. Sand will be used for asphalt since analytical done by ERM on the sand showed < 3ppm cadmium. Mike is scheduled to meet with Tony Cava of NYSDEC.

Mark Gouch's submittal on Water Treatment System modifications was rejected since the drawings did not reflect the different stages of operation. Additional information is needed before the plans are acceptable. The RE requested an engineer's stamp on the drawings of this modification, along with a letter acknowledging that it is a modification to the original drawings by the Design Engineer.

Lorin Walicki of ERM called to say that she would be late but was not here before the end of the meeting so ERM was not represented, nor were there any analytical reports submitted during the meeting. Issues pertaining to ERM like TCLP irregularities and 4hr post dredge confirmation sampling were therefore not addressed. A weekly data package, which included a 'Report on Filter Press Cake Sampling Results' submittal, was brought to Earth Tech's trailer later that evening. These documents were forwarded by Fed-ex to the Earth Tech Project Manager in Albany.

Concerns voiced at the meeting included the disposal of water after demob and cleaning of the site. It was agreed that this water could possibly be decanted, treated and sent to the lake or to an industrial water treatment facility.

Down-time was another concern but Vinnie E. and Bob S. (Mobile Dredge) gave assurances that change-outs would not involve waiting for parts such as pump shell housings, pump shaft assembly, pump 'back door', impellers or auger reduction gears since spare parts are on site or in the vicinity.

Keeping the schedule was a crucial factor, providing that the remediation was not compromised, as the access agreement for the school parking lot expires on 12/31/99.

Quality Control of dredging :
Sampling with the sludge judge will determine if migration has occurred.

Submittals:
No submittals were received.

Contract Issues:
Category B deliverables for closeout documents were not being submitted in a timely manner. Lab reports were extremely late.

A draft invoice for the period ending 11/24/99 was not received. Jared met with Gerard after the meeting to discuss preparation of these invoices.

Change Orders:
None

The meeting was adjourned at 2:20pm.

Respectfully submitted,

David Bartosik
Resident Engineer
cc: Attendees
Project File

CONSTRUCTION CERTIFICATION REPORT

DZUS FASTENER SITE (OU2)

APPENDIX G

SITE PHOTOGRAPHS

WILLETTS CREEK EXCAVATION



Photo 1 – Trackhoe excavation
Willetts Creek excavation of contaminated soil from creek bed using a small trackhoe. (7/99)

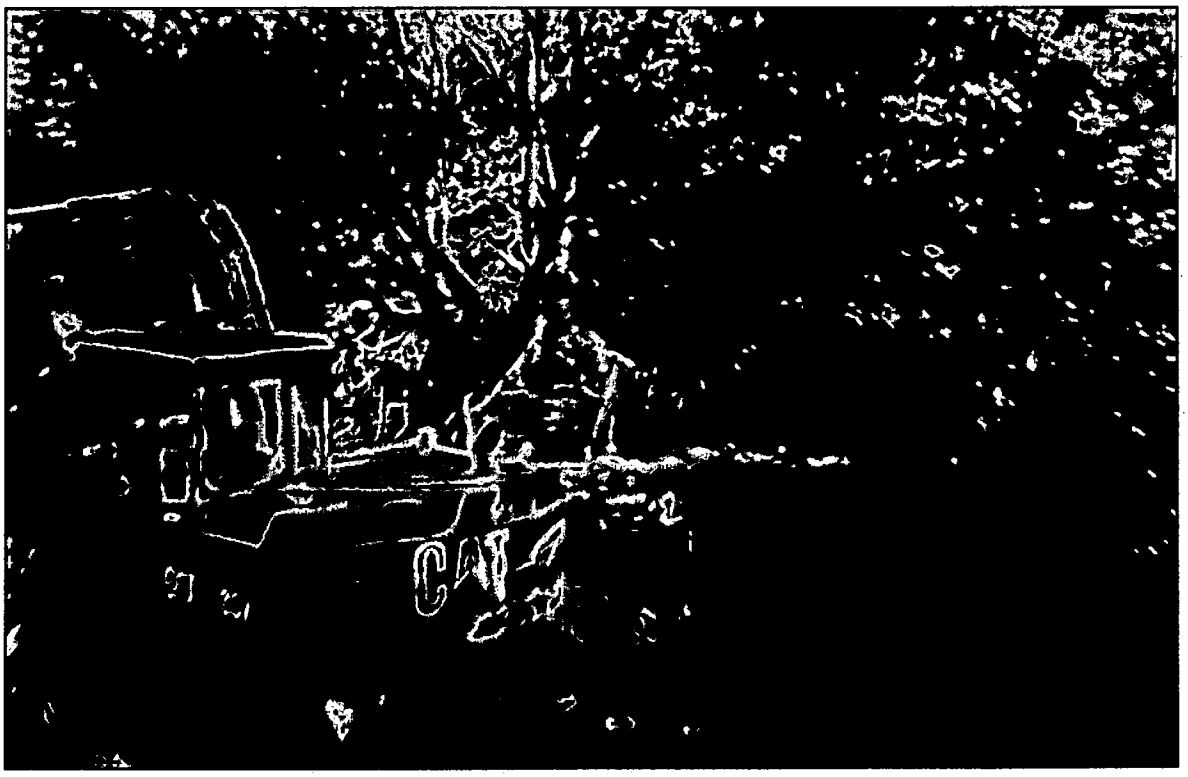


Photo 2 – Sandbag Wall
Sandbag wall protection constructed across Willetts Creek during excavation work. (7/99)



Photo 3 – Silt curtain
Silt curtain installed south of Burling Lane bridge during excavation work in Willetts Creek. (7/99)



Photo 4 – Debris Removal
Trackhoe removing debris and vegetation during excavation work in Willetts Creek north of Burling Lane bridge (7/99)

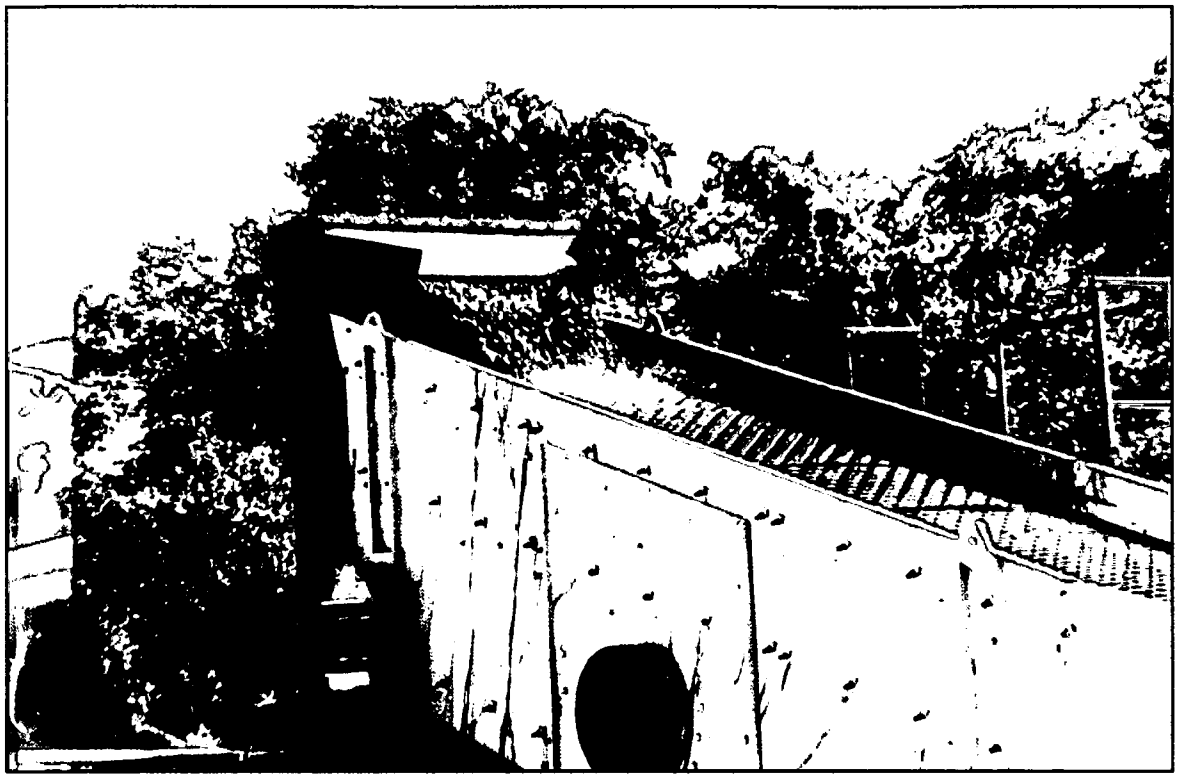


Photo 5 – Vibrating Screen
'Gator' vibrating screen receiving dredge slurry from Lake Capri during start-up operations.

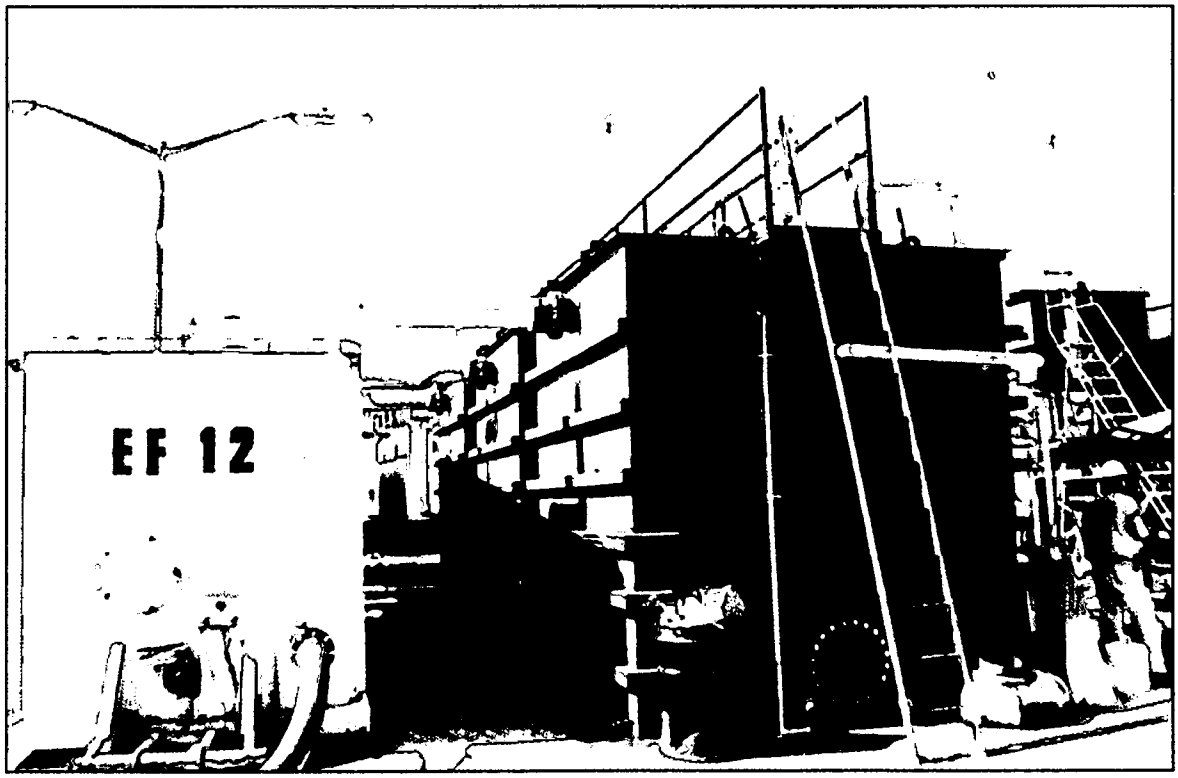


Photo 6 – Dynasand beds
Three 'Dynasand' continuous backwash sand filtration beds at the water treatment plant.

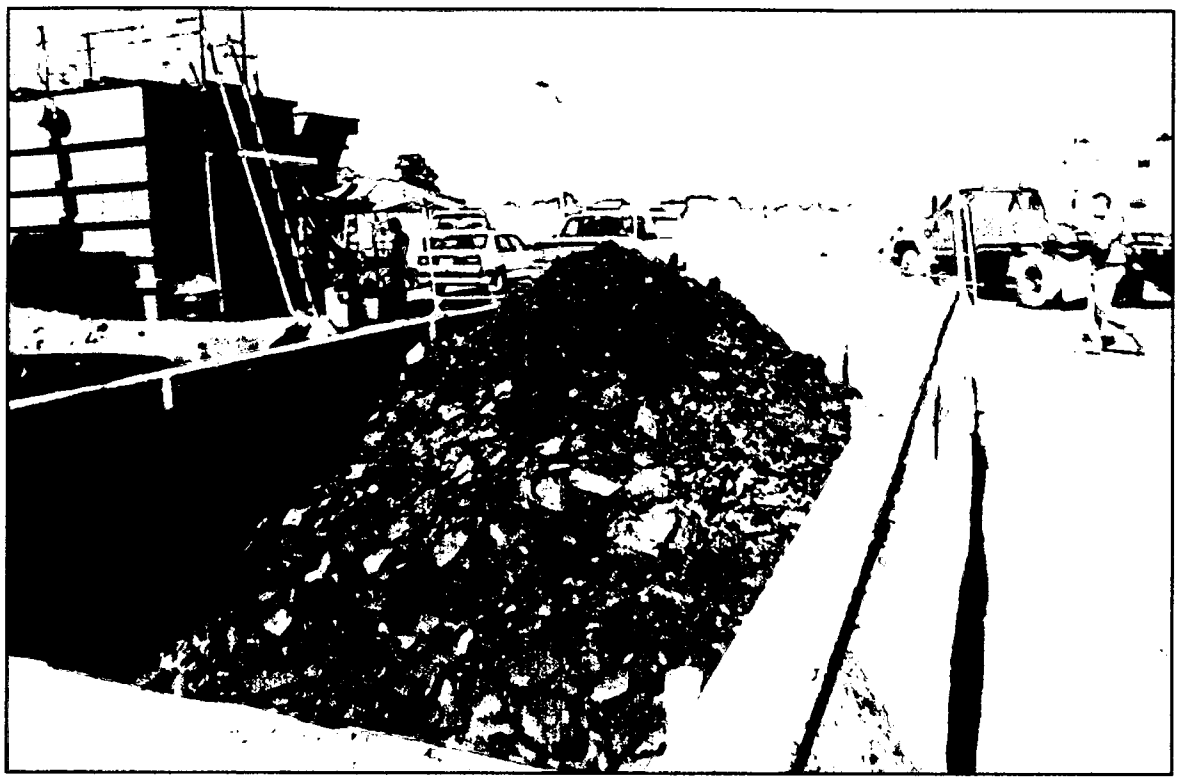


Photo 7 – Dewatered Sludge
Dewatered sediments in the form of filter-press cake being collected in roll-offs for transport and disposal to Posillico Bros.



Photo 8 – Filter Presses
Filtercake being conveyed from four "plate and frame" filter presses.

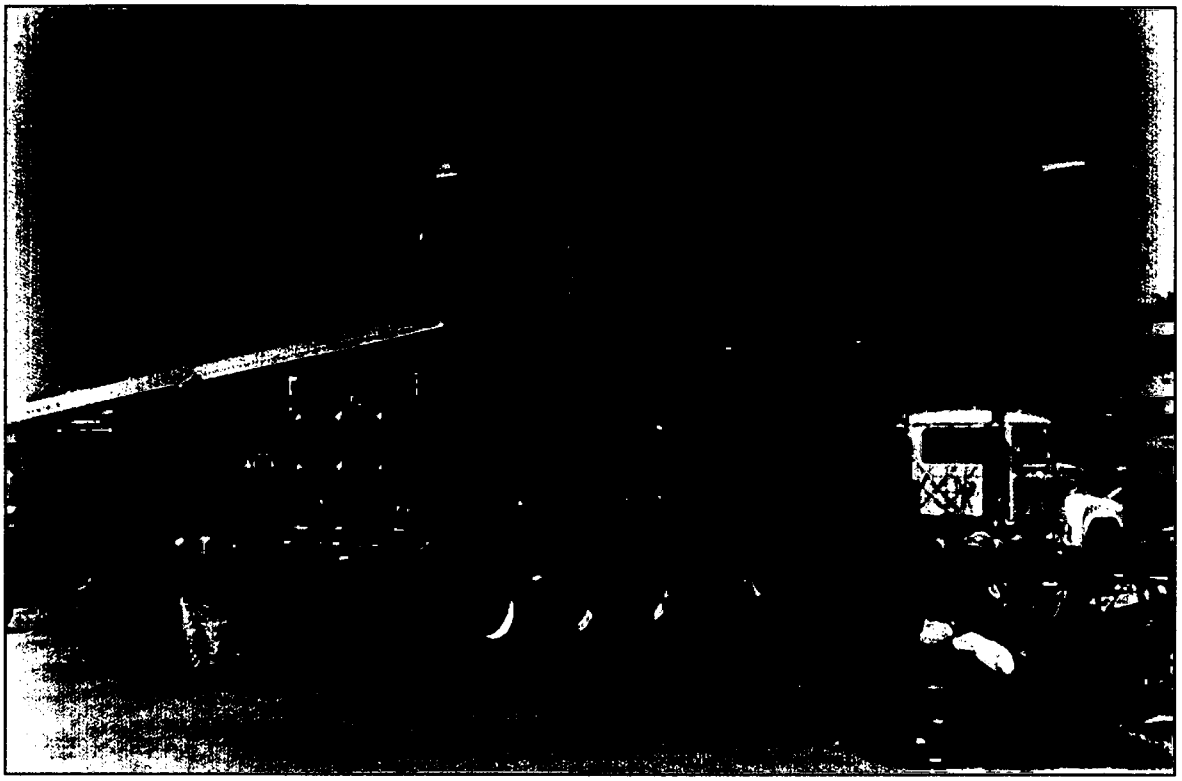


Photo 9 – Cake Conveyor
Conveyor dumps filtercake into bulk tractor trailers.

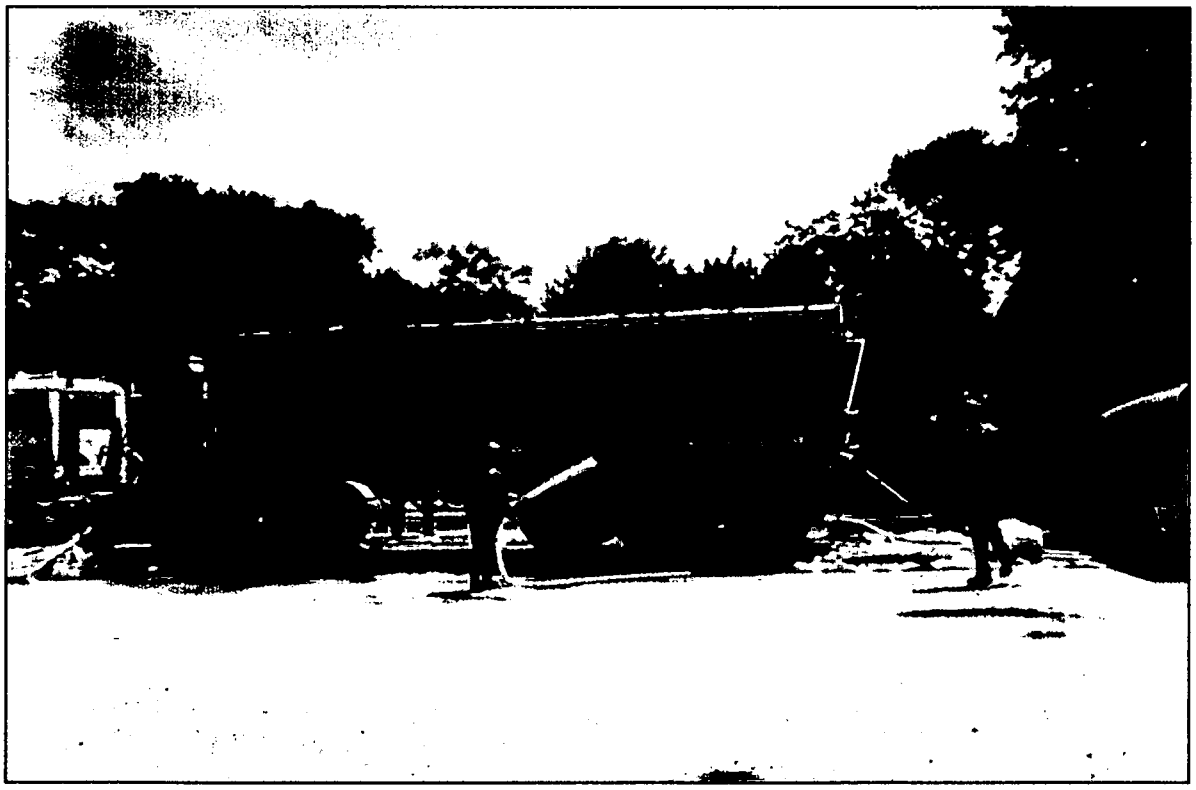


Photo 10 – Truck decontamination
Transport trucks are cleaned prior to leaving the site on a decontamination pad; run-off flows into retention basin behind.



Photo 11 – Lake Capri
View of lake with dredge (center) and support barge.

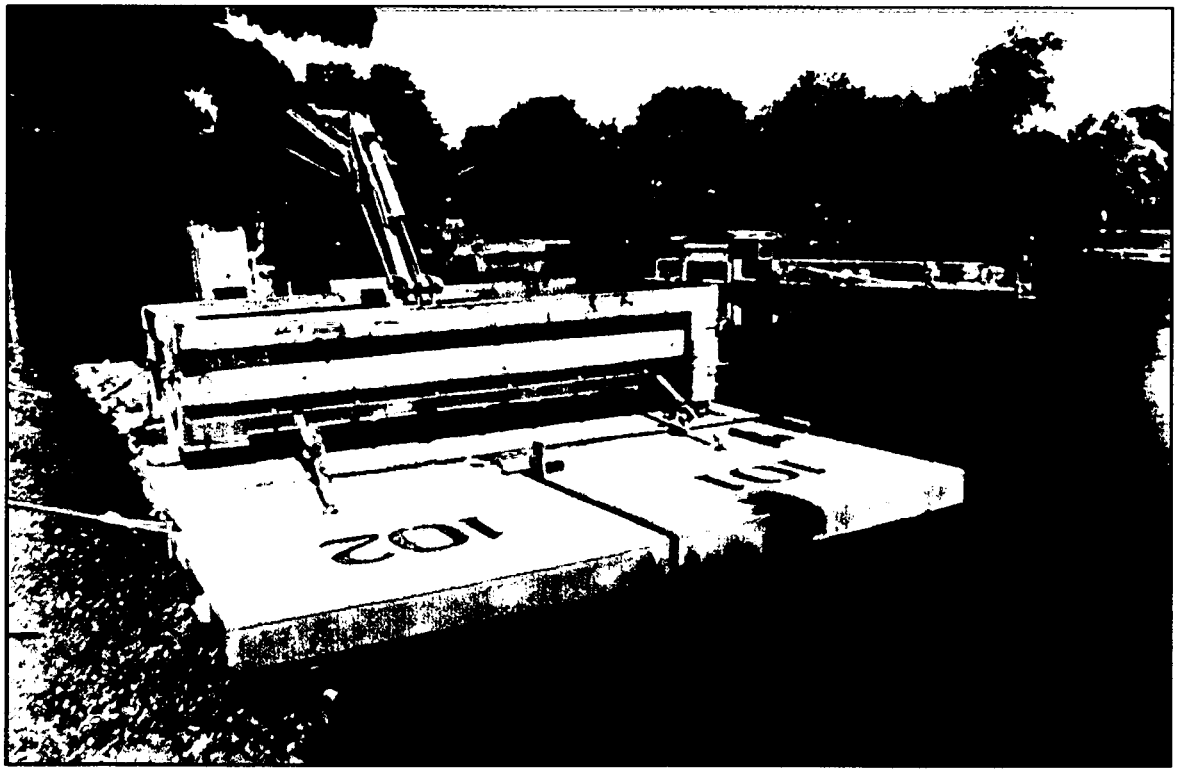


Photo 12 – Barge Trackhoe
Barge with small trackhoe is used for backfilling along shoreline bulkheads.



Photo 13 - Work Zones
Flotation booms with silt curtains suspended below the water divide lake into separate work zones and prevent migration of contaminated sediment outside the zone being dredged.

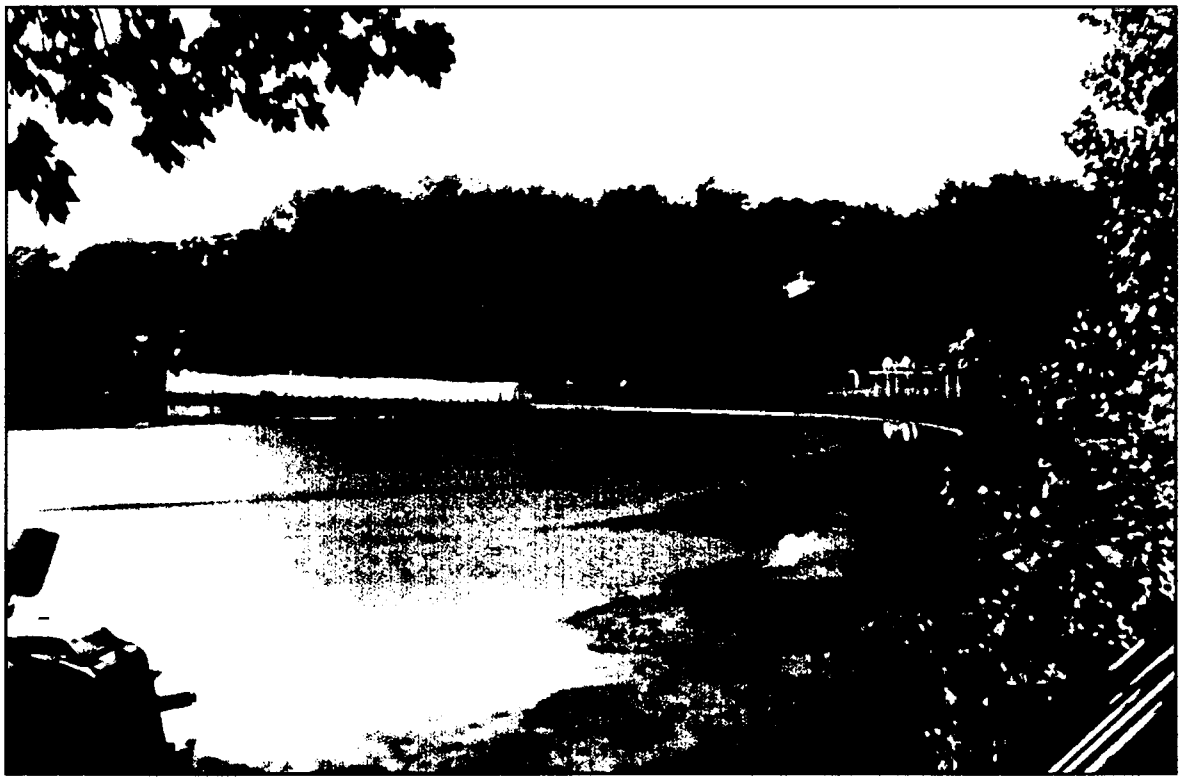


Photo 14 - East Shoreline Excavation
East shore of Lake Capri was exposed by lowering the lake water level. A double wall silt curtain barrier was erected to prevent migration of sediments during dry excavation sediment removal.

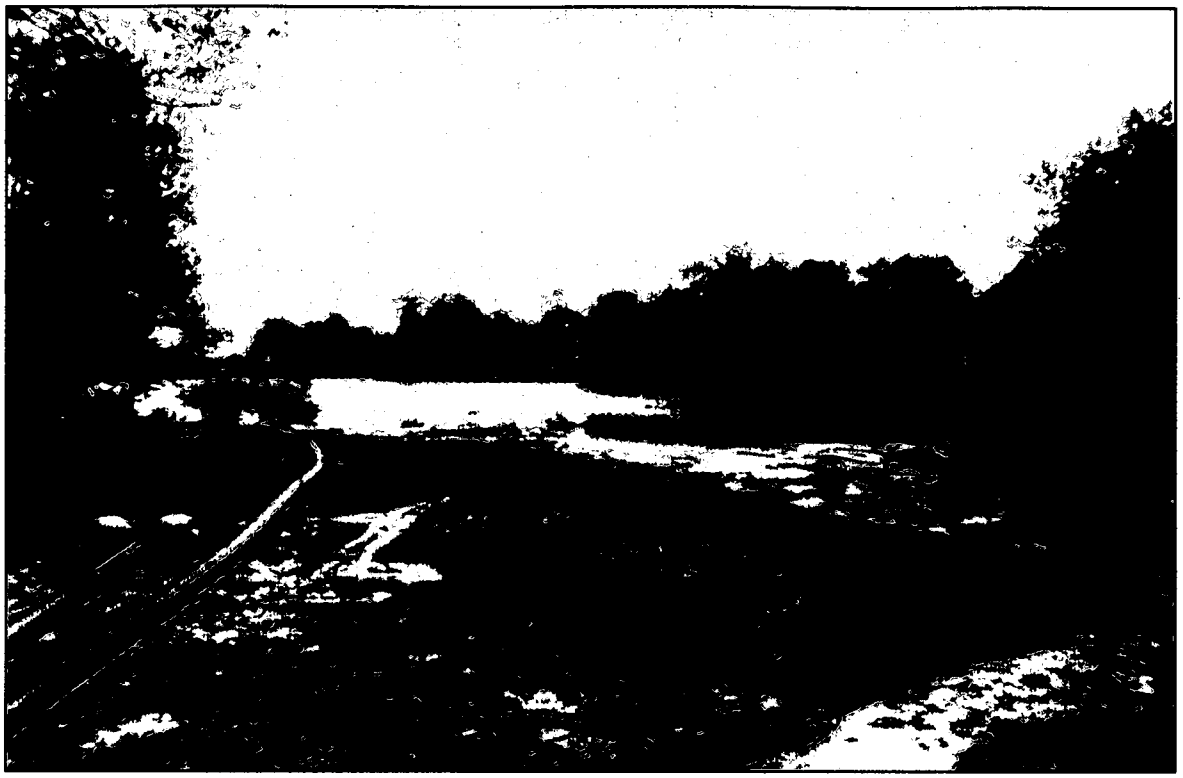


Photo 15 - North Cove Excavation
North cove region of the lake was exposed by lowering the lake level. This shallow region, inaccessible to the hydraulic dredge, was excavated in the dry.

LAGOON EXCAVATION

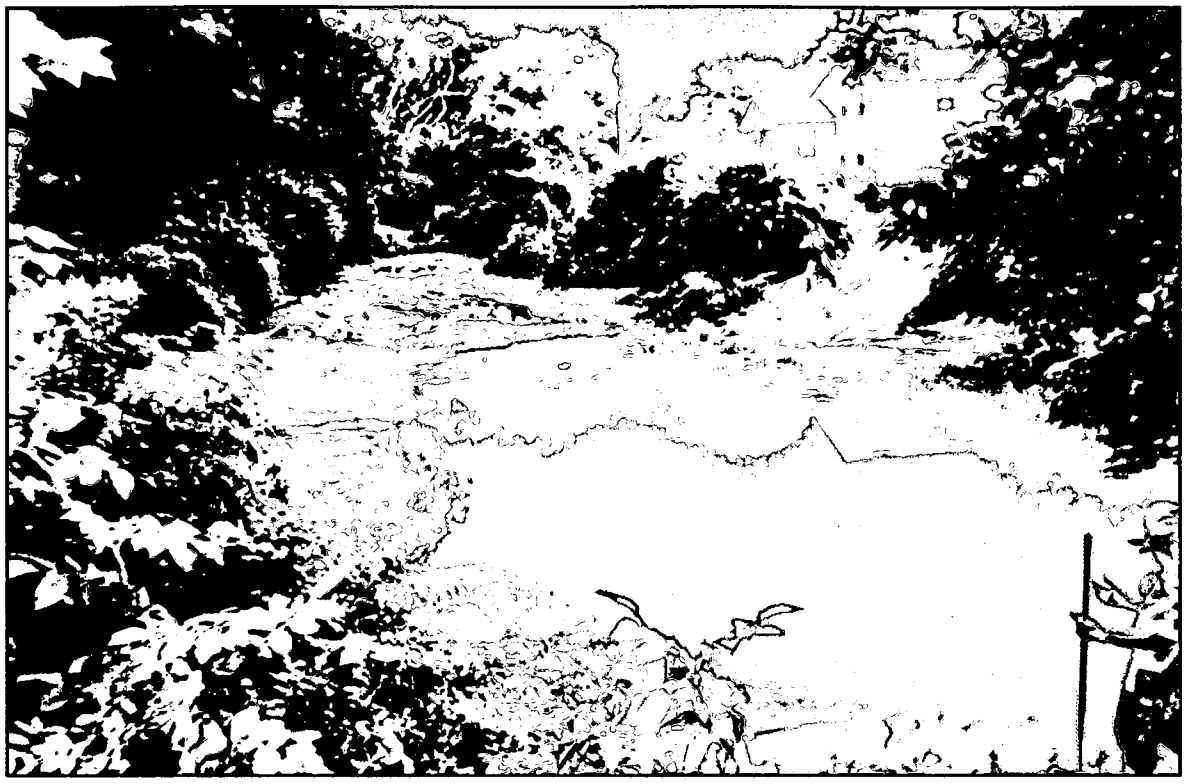


Photo 16 - Draining Lagoon
Looking northward from wooden footbridge. Lagoon is almost completely drained for excavation of sediments.

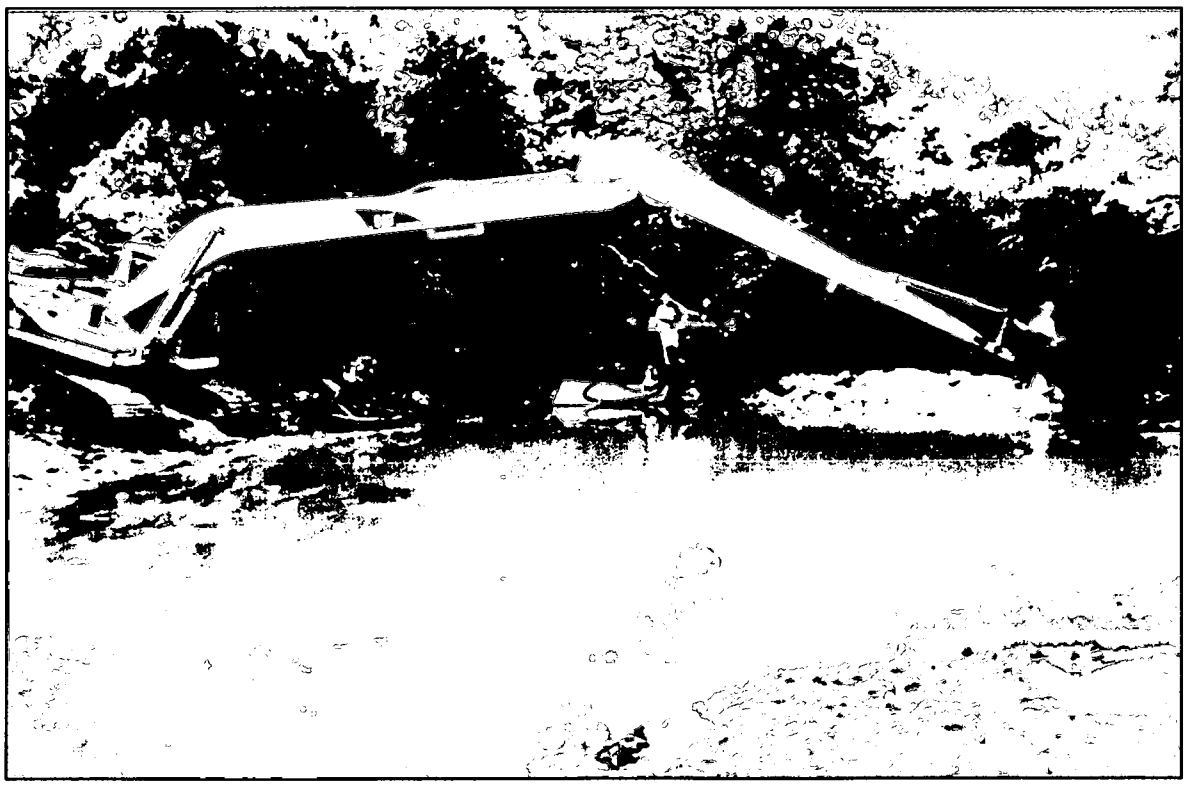


Photo 17 - Excavation in Lagoon
Long (40 foot) reach of CAT trackhoe removes sediments from opposite shore of lagoon.



Photo 18 - Vegetation Removal
Laborers removing debris and vegetation from shoreline of lagoon.

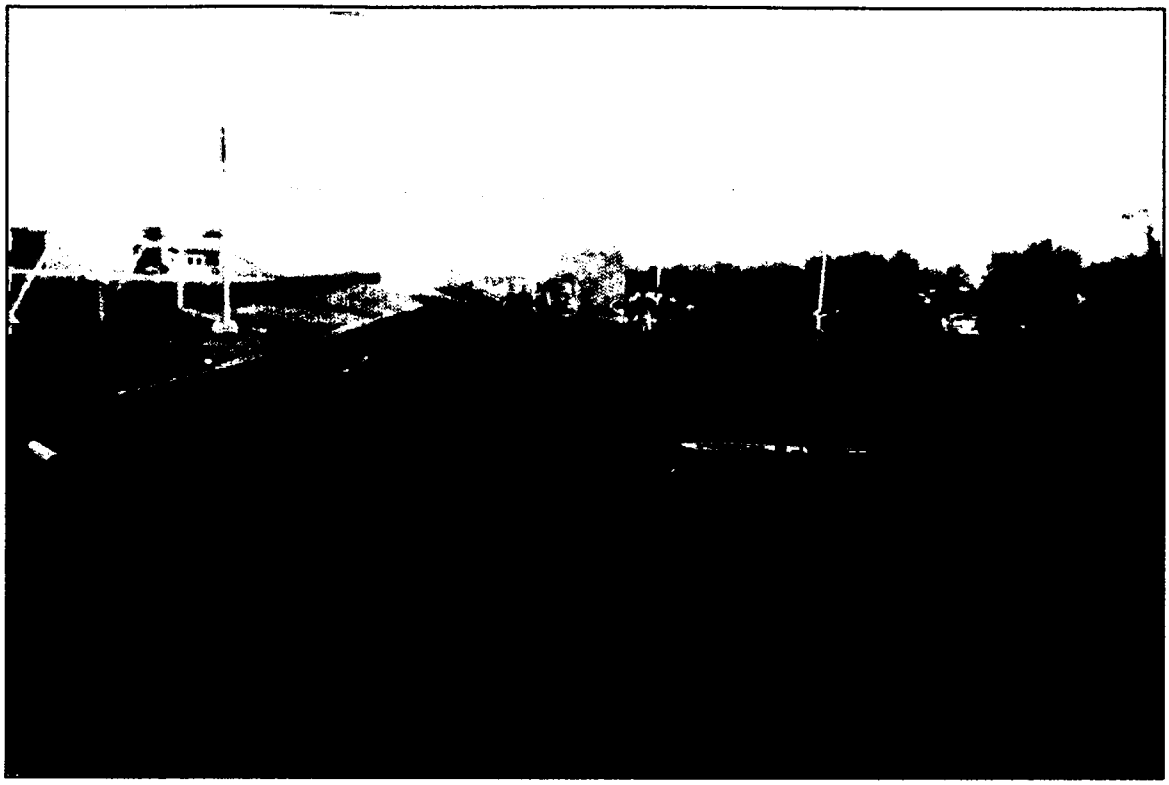


Photo 19 - West Islip High School
Repaving the parking lot.



Photo 20 - West Islip High School
Completion of paving work.

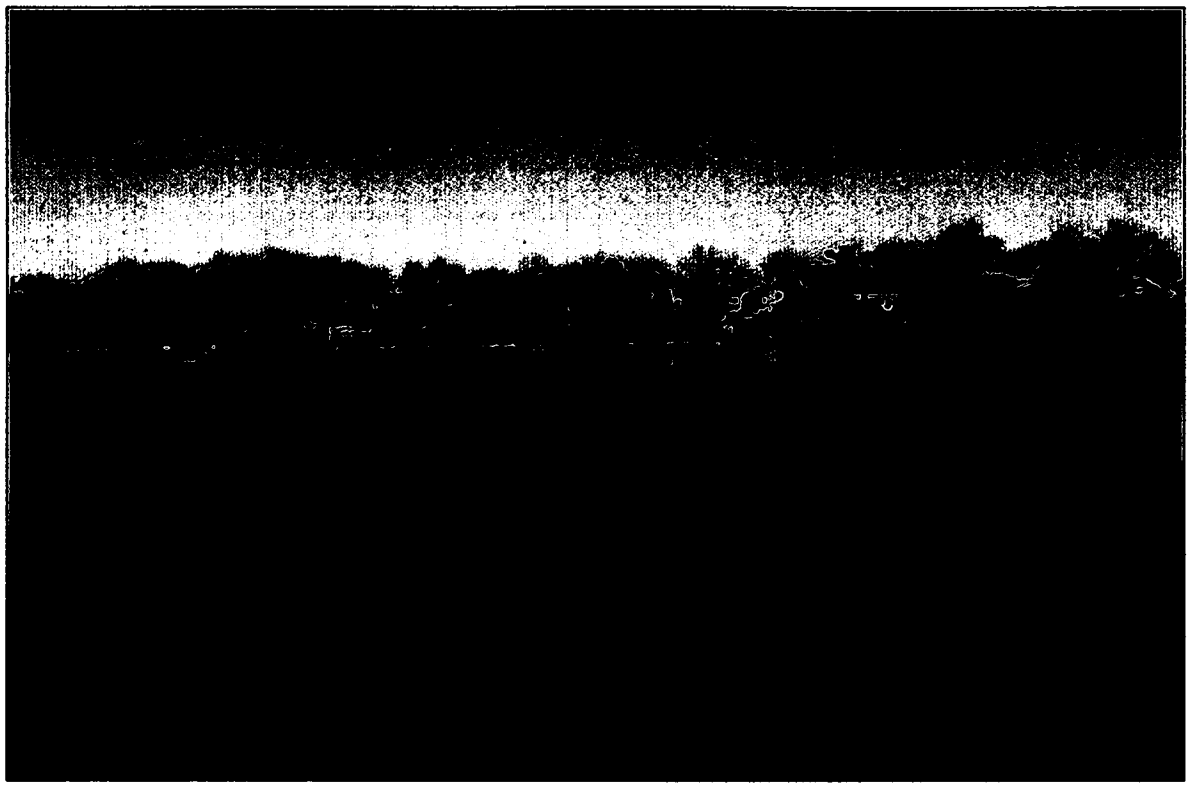


Photo 21 – Lake Capri
End of dredging, project completed.

File on eDOCs X Yes ____ No
Site Name DZUS
Site No. 152033
County Suffolk
Town West Islip
Foilable X Yes ____ No
File Name 2000-10-01 Const Structural Certification
Scanned OC
Report.