NOVEMBER 2010 MONTHLY REPORT FOR GROUNDWATER TREATMENT O&M ACTIVITIES AT THE CLAREMONT POLYCHEMICAL SUPERFUND SITE OLD BETHPAGE, NASSAU COUNTY, NEW YORK

Prepared for:

United States Army Corps of Engineers
Kansas City District

Contract No. W912 DQ-07-D-0044 Task 0001

Prepared by:

Science Applications International Corporation
6310 Allentown Boulevard
Harrisburg, PA 17112
(717) 901-8100

Prepared: December 6, 2010

TABLE OF CONTENTS

Page

TABLE OF CONTENTS (cont'd)

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

ACRONYMS AND ABBREVIATIONS

ALSI	Analytical Laboratory Services, Inc.
AS	air stripping
ASF	air stripper feed
ASR	Analytical Services Request
CA	carbon adsorber
CLP	contract laboratories program
DESA	Division of Environmental Science and Assessment
DQCRs	daily quality control reports
DTW	depth to water
EPA	United States Environmental Protection Agency
gpd	gallons per day
gpm	gallons per minute
GW	groundwater
GWTP	groundwater treatment plant
GWTS	groundwater extraction, treatment, and reinjection system
HCl	hydrochloric acid
HMI	human-machine interface
HVAC	heating, ventilation, and air conditioning
IG	infiltration gallery
IW	injection well
LGAC	liquid-phase granular-activated carbon
LTRA	Long Term Response Action
MCC	motor control cabinet
MCP	master (main) control panel
NYSDEC	New York State Department of Environmental Conservation
O&M	operation and maintenance
PD	plant discharge
PID	photoionization detector
PLC	programmable logic controller
PW	process water
SAIC	Science Applications International Corporation
SAP	sampling and analysis plan
SOP	standard operating procedure
SSHP	site safety and health plan
USACE	United States Army Corps of Engineers
VGAC	vapor-phase granular-activated carbon
VOCs	volatile organic compounds

1.0 OPERATION AND MAINTENANCE ACTIVITIES

Science Applications International Corporation (SAIC) continued the operation and maintenance (O&M) of the Claremont Polychemical on-site groundwater extraction, treatment, and reinjection system (GWTS) for November 2010, the period defined as 0600 hours, November 1, 2010, through 0600 hours, December 1, 2010. All work was performed in accordance with SAIC Contract W912 DQ-07-D-0044 - Task 0001 under Option Year 3 of the contract. The facility operated for 30 days in the November reporting period with 280 minutes of downtime for the backwashing of the liquid carbon adsorber (CA) vessel CA-1.

A copy of Project Status Report No. 41 is provided in Appendix A.

O&M conducted during this reporting period was performed in accordance with the site O&M Manual. Additional details of these activities are presented in Section 2.0 of this report.

Each workday morning, readings of key operational parameters are taken. These readings are used to monitor the plant's performance and determine if any problems or trends have developed. Copies of the daily readings are included in the Daily Quality Control Reports (DQCRs) found in Appendix B. The results and interpretations of these readings are discussed in Section 7.0 of this report.

2.0 OPERATION AND MAINTENANCE LOGS

2.1 Daily Quality Control Reports

The daily operations of the GWTS are documented in the DQCRs. The DQCRs include a summary of the daily operational activities, the Daily Operating Logs, the Daily Activities Summary Reports, the Daily Site Safety Inspection Forms, Weekly Air Monitoring Logs, the Sound Level Monitoring Worksheets, and the Employee and Subcontractor/Visitor Sign-in Sheets. Copies of these documents are also provided in Appendix B.

2.2 Summary of Maintenance Activities

Maintenance of the treatment plant and equipment is performed in accordance with the O&M Manual, and the routine activities completed during this reporting period are summarized on Table 2-1. System maintenance incorporates the equipment manufacturers' recommendations, operations experience, and good engineering and maintenance practices. A detailed accounting of daily maintenance activities is provided in the plant operator's daily logbook, the site supervisor's daily logbook (both filed on-site), the operator's daily activities summary reports (Appendix B), and the plant supervisor's daily plant activity notes (filed on-site). Significant maintenance activities completed during this reporting period included the following:

- Monthly scheduled tasks included motor amp load readings, injection well (IW) depth soundings, IW falling head tests, valve function tests, comprehensive site inspections, infiltration gallery (IG) water level readings, and other function tasks.
- Landscaping and outdoor site maintenance were performed as needed.
- The process pumps were rotated (two on-line, one off) three times during this period as part of the preventive maintenance task.
- The process pH probes were cleaned, inspected, calibrated, and adjusted, as necessary.
- The sludge tank was emptied with an M-8 pump directly to the filter press. The sludge tank drain was unclogged and drain valves were reoriented.
- The filter press was emptied of dry carbon filter cake.
- The fuses for the injection well transducers 1, 2, and 4 were replaced.
- The check valve for air stripper feed (ASF) pump P3 was rebuilt with used parts.
- The hydraulic fluid was changed in the snowplow pump, and the plow was tested.
- Liquid CA-1 was backwashed through four cycles which included air sparging.
- Carbon was removed from the sump with the M-8 pump directly to the filter press.
- Leg extensions were installed on the sump pump for greater offset. The pump and discharge hose were reoriented for better sump drainage.
- The nonhazardous carbon waste was consolidated.

The plant experienced a power interruption in November which caused an ASF pump to shut off and the ASF tanks to overflow. This backed up the plant and caused system cycling. The plant operator responded to the overnight emergency and got the plant back to normal operation.

2.3 Operator's Logs

The following operating logbooks are currently in use:

- Program/Project Manager's Field Activities Log CL-26
- Well Redevelopment Field Log CL-28
- Site Sampling and Technical Support Log CL-34
- Site Supervisor's Daily Log CL-36
- Field Support Log CL-37
- Plant Operator's Daily Log CL-38

All logbooks (in use and filed) are retained on-site and are available for detailed review. All of the logbooks are identified on a master logbook inventory control file and are routinely checked as part of the site quality control program.

3.0 TECHNICAL SUPPORT ACTIVITIES

3.1 SAIC Personnel

- Richard Cronce was up from Harrisburg for a site visit.
- Joseph Willich was in from Colorado for a site visit.

3.2 Manufacturing Representatives

- None in November.

3.3 Subcontractors and Deliveries

- Mail was delivered on six occasions.

3.4 Visitors

- Michael Flaherty of the Nassau County Department of Public Works **(NC**DPW) was in to get well gate keys and an operation update.
- Zebra Environmental was at the old plant to review drilling options.
- Ed Knyfd of Weston Solutions was at the old plant to review upcoming work.

4.0 HEALTH AND SAFETY

Work at the Claremont Polychemical groundwater treatment plant (GWTP) was conducted in accordance with the approved Site Safety and Health Plan (SSHP). Daily site safety inspections were performed and are presented in the DQCRs in Appendix B. In addition to the daily site inspections, comprehensive safety inspections are routinely performed.

No safety incidents or accidents occurred during November 2010.

The United States Army Corps of Engineers (USACE) requested an update of the plant accident/ exposure data log. This will be a monthly task.

5.0 PLANNED ACTIVITIES AND SCHEDULES

The schedule of significant O&M activities is updated on a monthly basis, as presented in Table 2-1. Separate tentative schedules for equipment maintenance and sampling events are shown in the O&M Manual and the Sampling and Analysis Plan (SAP).

6.0 MONITORING WELL WATER ELEVATIONS

Water level elevations for the monitoring wells were recorded in October. Water quality data were not collected as the groundwater (GW) sampling event did not occur. The database has been updated, and the water elevation data are provided in Table 6-1. The next scheduled GW sampling event will be in February. Water quality data are expected to be collected at this time.

7.0 TREATMENT SYSTEM FLOWS

The volume of treated water discharged by the treatment plant to the injection well field is determined daily from readings of the magnetic flow meter on the plant effluent line. A summary of these meter readings is provided in Table 7-1. The total treated water discharged for November 2010, as measured from 0600 hours on November 1, 2010, to 0600 hours on December 1, 2010, was 16,823,003 gallons. This volume is approximately 116 percent of the monthly targeted treatment goal. The cumulative amount of treated water for Option Year 3 (starting June 1, 2010) under the Long Term Response Action (LTRA) contract is 99,287,349 gallons. This is approximately 12 percent above the targeted goal for water to be treated. A graphic representation of total system flows is presented in Figure 7-1, and daily system flows are provided in Figure 15-1.

The average discharge flow for November was 389 gallons per minute (gpm) and 560,767 gallons per day (gpd).

The flow monitoring units for the individual IW systems are fully functioning. This allows for reading the flow rate and volume to each system. The relative flows for November are indicated below:

Injection Well System	Flow Average (gpm)	Volume Discharged (gallons)
IW-1	96	4,126,122
IW-2	93	4,033,178
IW-3	112	4,823,468
IW-4	80	3,465,962
System	381	16,447,730

There is a discrepancy between the total of the individual flows with that of the plant discharge (PD) flowmeter of ~8 gpm. Much of this error is due to how the magnetic flow meter records flow.

8.0 CHEMICAL CONSUMPTION

Currently, the four chemical feed systems are off-line, and their future use is not anticipated. All systems have been tested.

- The permanganate system is not operational. The programmable logic controller (PLC) is nonresponsive and needs to be replaced. An action plan is being devised.
- The sodium hydroxide system is operational.
- The hydrochloric acid (HCl) system is operational.
- The mixers on the polymer system are not functioning due to a wiring problem at the motor control cabinet (MCC) to the local control panel. An action plan is in the works.

Following is the inventory of the bulk chemicals at the plant:

Chemical	Inventory	
	No. of Containers	Container Type/Size
Caustic	7	55-gallon drums
Hydrochloric Acid (HCl)	1	55-gallon drum
Citric Acid	1	55-gallon drum (~200 lbs.)

9.0 CARBON USAGE

9.1 Aqueous-Phase Carbon

The presence of volatile organic compounds (VOCs) has not been detected in the effluent streams of the liquid-phase granular-activated carbon (LGAC) adsorber vessels. The influent and effluent streams of the vessels are monitored on a quarterly basis.

Rising differential pressure readings across each vessel indicated the need for backwashing. Vessel #1 was air sparged and then backwashed through four cycles in November. The backwashed carbon was discharged to the floor sump during this task.

9.2 Vapor-Phase Carbon

Two vapor-phase granular-activated carbon (VGAC) beds are available for the off-gas treatment of the air stripping (AS) stream. Currently, VGAC-1 is on-line with VGAC-2 off-line and ready for service. Monitoring of VOCs in the influent and effluent air of the active vessel is performed weekly with a photoionization detector (PID). VOCs have not been detected in the effluent during these weekly monitoring events. During this period, spent vapor-phase carbon was not generated, and no carbon was added to the vessels.

10.0 SLUDGE DISPOSAL

- No metal-hydroxide water treatment sludge was collected or disposed of during this period.
- One drum of nonhazardous carbon sludge from the backwash operation was collected, dried, and stored in November.
- Five full drums and one partially filled drum of nonhazardous carbon sludge/water are on-site.

11.0 MONTHLY DISCHARGE MONITORING REPORT

The plant is currently operating under an equivalency permit from the New York State Department of Environmental Conservation (NYSDEC). While this permit requires periodic submittal of discharge monitoring results, monthly discharge monitoring reporting is not required. Monitoring data will be provided to the NYSDEC upon request.

A letter requesting an extension of the authorization to discharge treated groundwater to the groundwater aquifer was submitted to Mr. Brian Baker of the NYSDEC Division of Water. The response and permit extension are pending.

12.0 SLUDGE QUALITY ASSURANCE REGULATIONS REPORT TO NYSDEC

During this period, no metal hydroxide sludge or hazardous waste was generated in the treatment process, and no hazardous waste was disposed of in November.

13.0 OTHER OPERATIONS, MAINTENANCE, OR MANAGEMENT ISSUES

Responsibility for the GWTP operation is to be turned over to the NYSDEC. This includes the transfer of documents related to the operation of the plant to the NYSDEC project manager.

Several ongoing plant-wide issues include:

- Long-term plan for the compressed air system.
- Reliable remote access to the plant human-machine interface (HMI).
- Repair master control panel (MCP) grounding issues.
- Electrically connect injection pump #3 to the control system.
- Construct and install dedicated pump systems for selected monitoring wells.
- Repair leak in PD manifold.
- Fill in sinkhole at IW-4.

14.0 PROPOSED CHANGES TO STANDARD OPERATING PROCEDURES (SOP)

Procedures and standard forms are reviewed and revised as needed. In November, the following revisions were made:

- Water Level Data Sheet (CPS-Form-027) to revision level D.
- Administrative tables for the SOP and Manual of Instruction were updated.

15.0 TREATMENT PLANT AND WELL FIELD MONITORING RESULTS

The Claremont Polychemical GWTS is monitored through the analysis of off-site laboratory analytical data and on-site field data.

15.1 Off-Site Analytical Data Results

Monthly PD samples are taken for organic analysis in compliance with the NYSDEC discharge permit and USACE contractual requirements. Quarterly GW samples are taken for organic analysis, and quarterly process water (PW) samples are taken for organic, inorganic, and generic analysis. Samples are sent to facilities assigned by the United States Environmental Protection Agency (EPA) contract laboratories program (CLP). Significant sampling-related events for the month of November included:

- The PD was sampled on five occasions for pH and temperature.
- The monthly PD sampling task was completed November 10. The samples were shipped to the Division of Environmental Science and Assessment (DESA) laboratory for analysis.
- An Analytical Services Request (ASR) was submitted for the December PD sampling task. The EPA assigned the DESA laboratory for the organic samples.
- The next quarterly GW task has been scheduled for February 2011.
- The organic analytical data for October's PW samples was received.

15.2 Field Data

Treatment plant effluent is monitored for pH and temperature on a weekly basis in order to obtain a monthly average in compliance with the NYSDEC discharge permit requirements. These readings are obtained from the discharge sample in a controlled area with calibrated portable meters. A summary of these data is as follows:

Date	pH	Temperature (°C)
November 1, 2010	6.40	17
November 8, 2010	6.39	18
November 15, 2010	6.46	14
November 22, 2010	6.40	13
November 29, 2010	5.60	13
Monthly Average	**6.25**	**15**

The NYSDEC discharge permit requires the PD to have an average monthly pH greater than 5.50. The treatment plant effluent met the monthly average pH discharge requirement.

Soundings to determine the depth to the bottom of the IWs were taken on November 11, 2010, and compared to previous readings. A summary of these data is included in Table 15-1. The data indicate that since the beginning of monitoring on June 17, 2004, there has been an accumulation of sediment in the four IWs. IW-1 is the most severe case, with the influx of sand accounting for more than 100 feet of sediment in the bottom of the well. Of this sediment, 78 feet were deposited between April 2008 and March 2009. In the last month, there was little change in the well sediment levels.

Water elevations in the IWs are recorded on a daily basis as is the daily total flow discharged to the well field. These are depicted in Figure 15-1. During November, the plant continued its stable operation, and the plant effluent and IW levels were steady. The transducer for IW-2 continues to read low.

A falling head test was performed on the IWs on November 22. A graphic representation of the time required to drop the water level to a static condition is presented in Figure 15-2. Comparisons of baseline data from March 2006 to that of recent tests (Figure 15-3) indicate that well #4 is stable and is operating near its baseline. Well #3 is also stable. The results for November show a significant deterioration in the performance of IW-1. IW-2 appears stable (readings are interpolated up to 35 feet) and operating near its baseline.

Flow to infiltration galleries IG-1 and IG-3 is restricted so that flow to IW-1 and IW-3 is maximized. Both galleries are draining adequately. The plant's effluent discharge flow is maximized and is limited by injection pump capacity.

16.0 PROCESS ANALYSIS, INTERPRETATIONS, AND CONCLUSIONS

16.1 Influent Process

Currently, the three extraction well pumps are on-line and operational.

Influent pump #3 is off and awaiting electrical testing as it appears that the overload relay in the MCC is defective.

- November's influent flow was maintained to keep the treated water tanks at ~65 percent of capacity. This boosts the injection pump performance.
- Water was treated by both treatment trains throughout this period.

No other issues arose with the extraction/influent system. Routine maintenance continues.

16.2 Metals Removal Process

The polymer, potassium permanganate, caustic, and HCl feed systems remain out of service as current water conditions make their use unnecessary. The flash and flocculation mixers at the clarifiers remain idle due to the discontinued use of the polymer and lack of solids generation. The reaction tanks and clarifier systems continue to operate as pass-through settling tanks.

The inclined plates on the clarifiers were brushed and cleaned. No sludge was removed from the clarifier cones.

16.3 Settling Filter Process

The discharge nozzles and screens of the retention-settling filter tanks are subject to particulate fouling. As part of routine maintenance, the system is backwashed with pressurized air using a sparger. Periodically, the system needs to be shut down for cleaning using pressurized water, along with brushing.

The frequency of air sparging remains periodic; however, in November, the risers received minimal attention.

16.4 Air Stripping Process

All three ASF pumps are operational with two rotated into service at a time.

- The remote start-up of the ASF pumps remains troublesome as the check valves fail to operate as intended.
- Pump #3 emits a high-pitched whine, which will require future address. The check valve for pump #3 was rebuilt and returned to service.

No other issues arose with the air stripping system. Routine maintenance continues.

16.5 Aqueous-Phase Carbon Treatment Process

All three LGAC feed pumps are operational, with two pumps rotated into service at a time. The pressures through the vessels continue to be monitored and are tending upwards. Vessel #1 was air-sparged through the lower laterals and backwashed through four cycles.

Other routine maintenance tasks continued.

16.6 Treated Water Injection Process

The IW system is on-line and fully operational. Valves to the four wells are currently fully open. Water levels in the wells are stable. Both injection pumps are on-line.

The plant's total discharge flow rate and volume are measured by a magnetic flow meter on the injection pump system's main discharge line. Flow sensors and transmitters installed in the discharge line to each injection well system are on-line and connected to the MCP and HMI.

The level transducer in IW-2 continues to read ~30-35 feet below the actual depth to water (DTW) level. This will be addressed when the electrician is on-site.

No issues were encountered with the injection system in November. Routine maintenance tasks continue.

FIGURES

Figure 7-1. Actual Versus Treated Water Goal

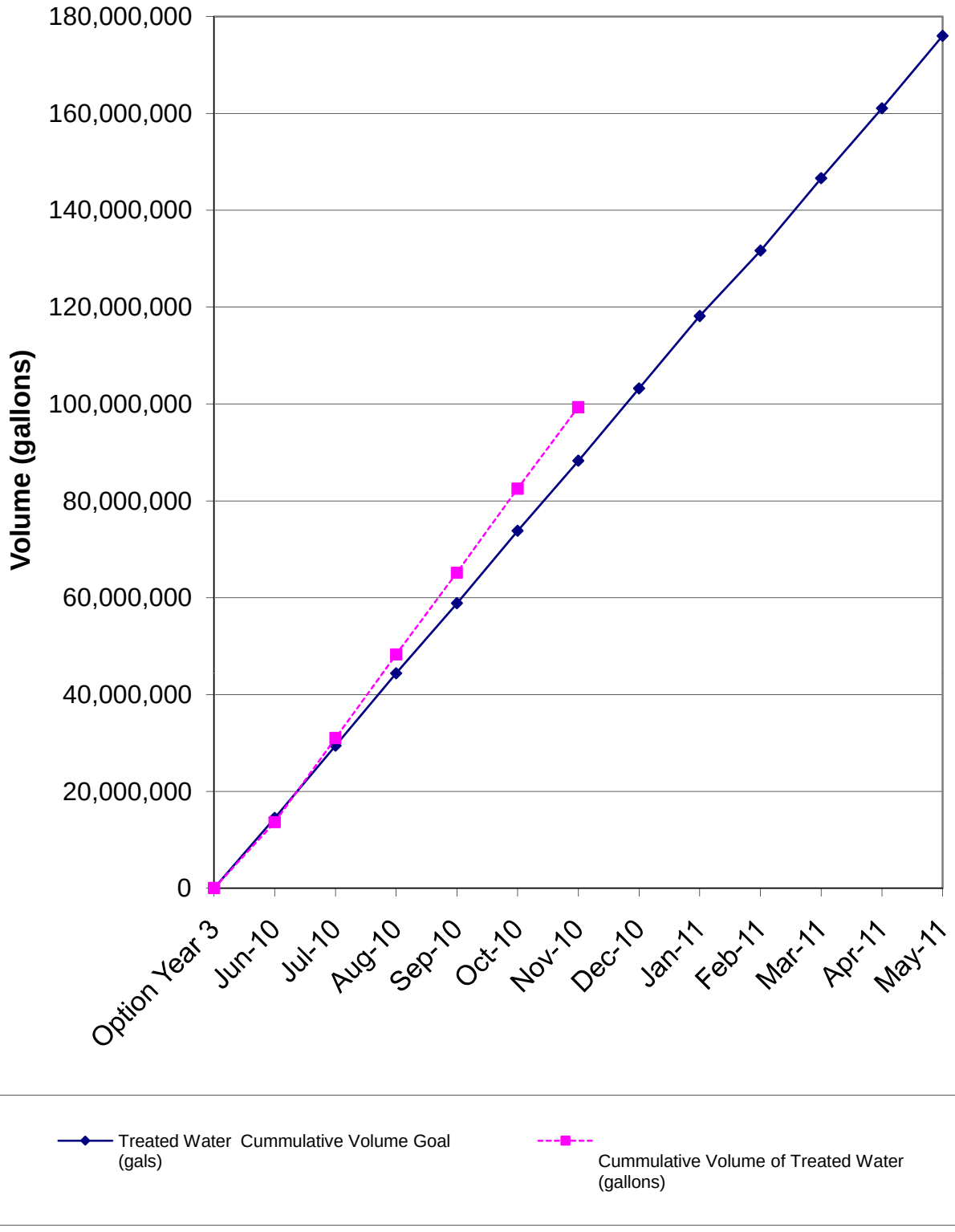


Figure 15-1 Injection Well Elevations and Daily Flow

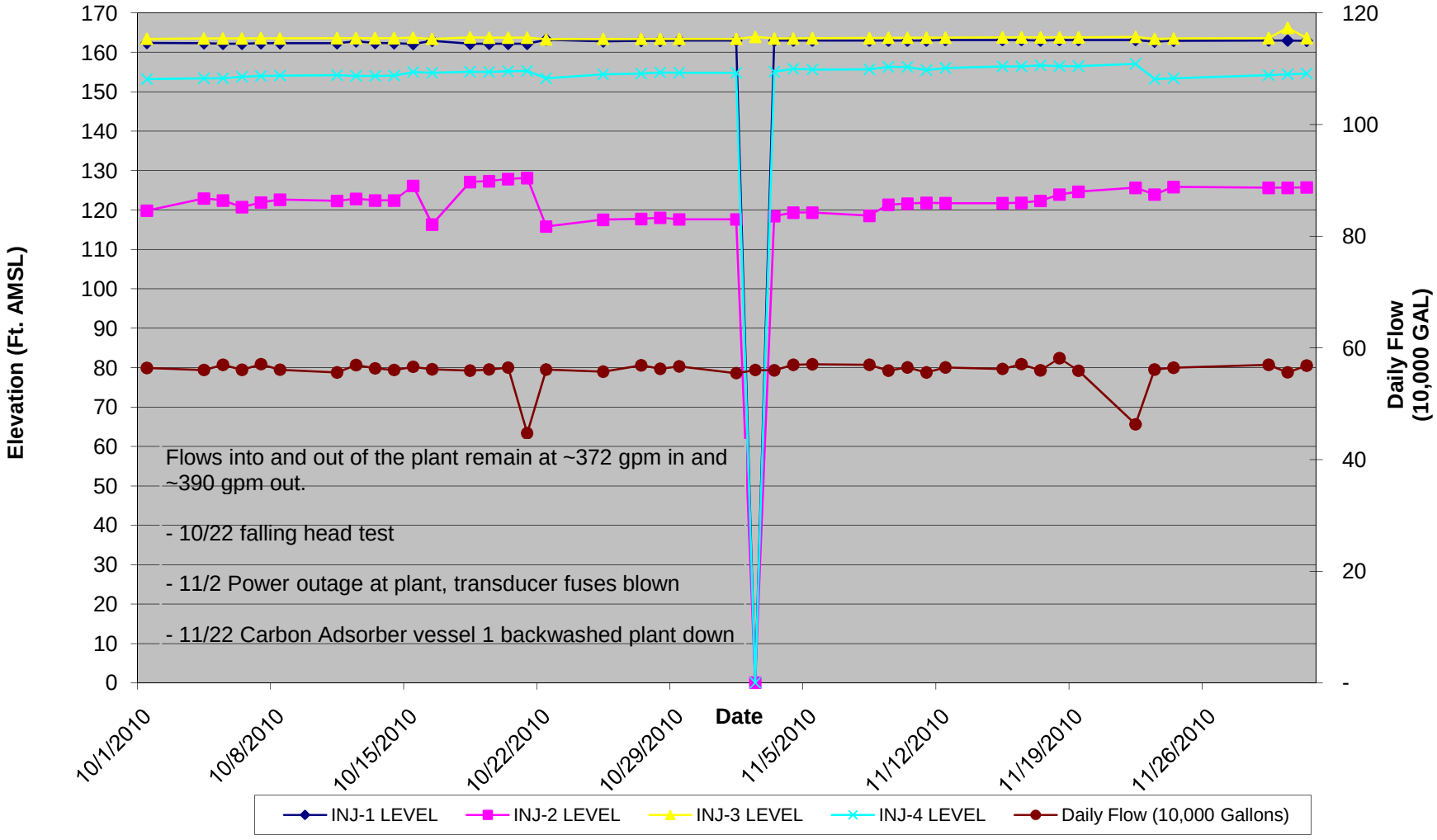


Figure 15-2 Injection Well Falling Head Test November 22, 2010

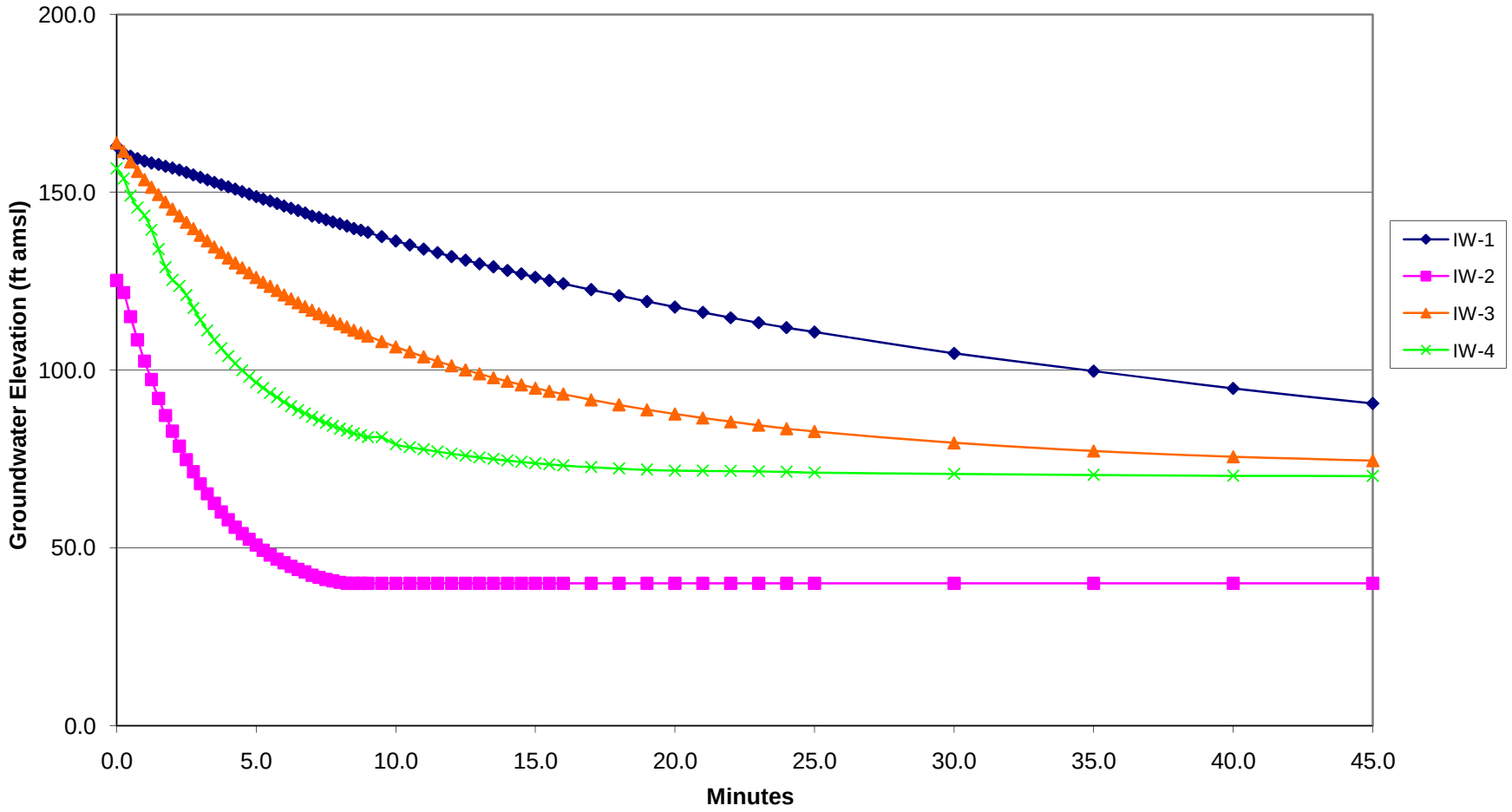
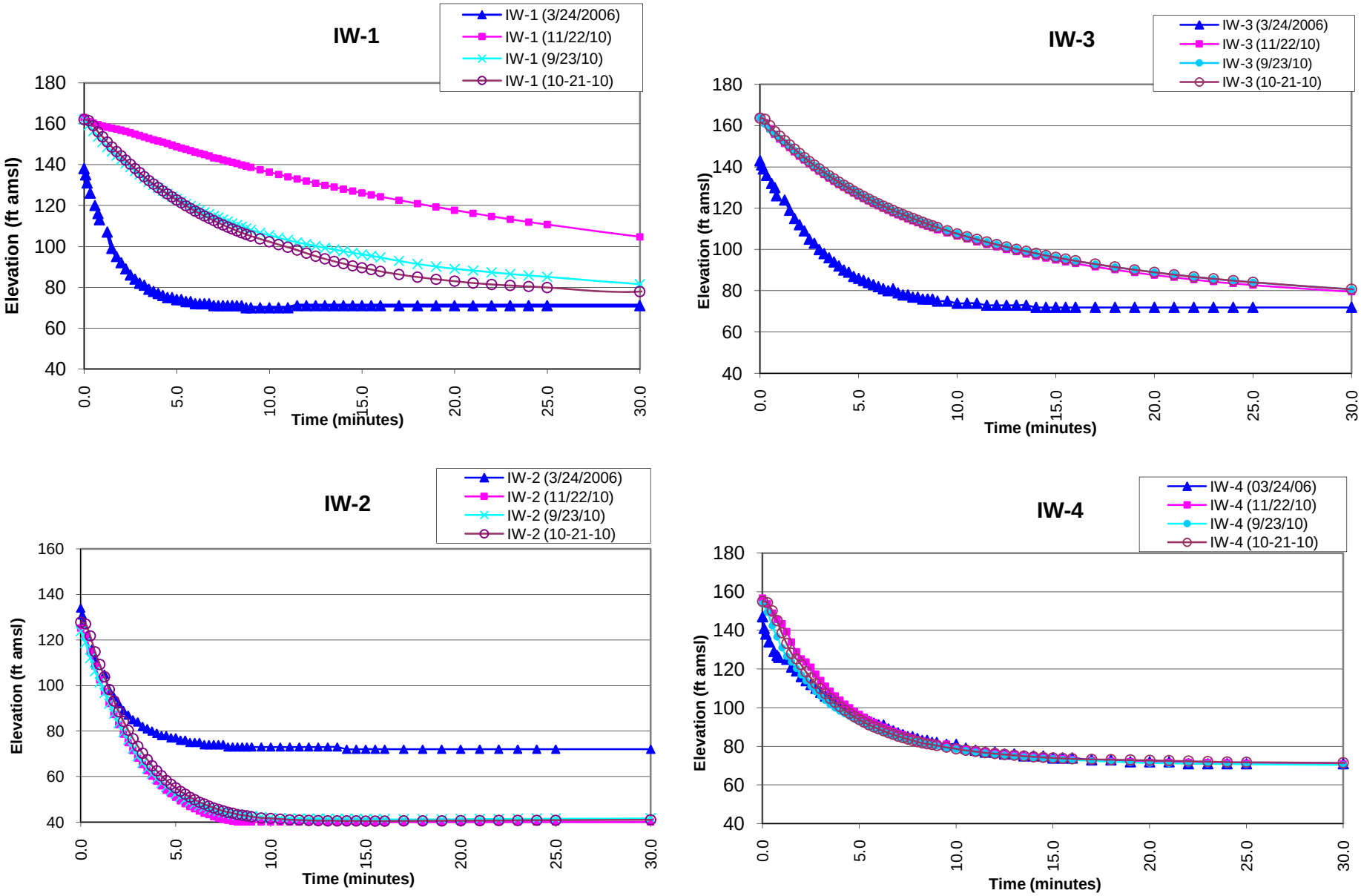


Figure 15-3 Comparison of Post-Redevelopment and March 2006 Falling Head Tests



TABLES

Table 2-1 Maintenance Log
Claremont Polychemical Superfund Site
Old Bethpage New York

November 2010

Science Applications International Corp.
Claremont Plychemical Site
Old Bethpage, New York

SYSTEM	UNITS	EQUIPMENT	ACTION	FREQUENCY	1-Nov	8-Nov	15-Nov	22-Nov	29-Nov	COMMENTS
EXTRACTION WELLS										
new motor installed in #2 6/18/10	3	PUMPS	Op hour readings	Daily	FF	FF	FF	FF	FF	daily task
new pump and motor in #1 on 7/22/10	3	MOTORS	Amp Draws	Monthly	-	-	-	-	complete	Amp Draws taken 11/24
EQUALIZATION TANK	1	TANK	Inspection	Daily	FF	FF	FF	FF	FF	Tanks are inspected daily. Some rust observed
jogged mixer 9/3/09	1	MIXER	Exercise	As needed	-	-	-	-	-	mixer is off line
inspected and cleaned 8/09	1	INFLUENT STRAINER	Inspection	As needed	-	-	-	-	-	
INFLUENT PUMPS	3	SUCTION VALVES	Exercise	Monthly	-	-	-	-	FF	Pump isolation valves are exercised monthly and during plant shutdowns
	3	DISCHARGE VALVES	Exercise	Monthly	-	-	-	-	FF	
	3	CHECK VALVES	Lubricate	As needed	-	-	-	-	-	Check valves are lubricated periodically
			Inspect	As needed	FF	-	-	-	-	
pumps and trays painted 4/10	3	PUMPS	Inspect	Daily	FF	FF	FF	FF	FF	Operation is checked during daily data collection rounds
new pump head installed P-3 10/08	3	PUMP MOTORS	Inspect	Monthly	FF	-	-	-	-	pumps rotated 3 times in November
P#2 mech. seal installed 12/09			Lubricate	As needed	FF	-	-	-	-	
			Amp Draws	Monthly	-	-	-	-	complete	Amp Draws taken 11/24
	2	FLOW DIRECTION VALVES	Exercise	Monthly	FF	-	-	-	-	adjusted as needed during pump rotations
actuators removed 6/2/08	2	FLOW CONTROL VALVES	Inspect	Monthly	FF	FF	FF	FF	FF	Valves normally open
	2	MAGNETIC FLOW METERS	Inspect	Weekly	FF	FF	FF	FF	FF	Operation is checked during daily data collection rounds
			CALIBRATE	As needed	FF	FF	FF	FF	FF	not necessary at this time
	6	PRESSURE GAUGE VALVES	Exercise	Monthly	FF	-	-	-	-	
REACTION TANK # 1	1	MAIN DRAIN VALVE	Exercise	Monthly	-	-	-	-	-	Tanks are filled with water, no leaks, drain valve not tested
mixer jogged 9/09	1	MIXER	Inspect	Monthly	Chemical feeds are not in service, ppt not required					not in service
			Lubricate	As needed	-	-	-	-	-	
electrode replaced 10/08	1	pH PROBE	Calibrate	Weekly	FF	FF	FF	FF	FF	checked weekly vs lab meter
			Inspect	weekly	cleaned	cleaned	cleaned	cleaned	cleaned	inspected and cleaned as needed
			Adjust	As needed	cal'd	cal'd	cal'd	cal'd	cal'd	last calibrated 11/29
REACTION TANK # 2	1	MAIN DRAIN VALVE	Exercise	Monthly	-	-	-	-	-	Tanks are filled with water, no leaks, drain valve not tested
mixer jogged 9/09	1	MIXER	Inspect	Monthly	Chemical feeds are not in service, ppt not required					not in service
			Lubricate	As needed	-	-	-	-	-	
probe replaced 12/08	1	pH PROBE	Calibrate	Weekly	FF	FF	FF	FF	FF	checked weekly vs lab meter
			Inspect	Weekly	cleaned	cleaned	cleaned	cleaned	cleaned	inspected and cleaned as necessary
			Adjust	As needed	cal'd	cal'd	cal'd	cal'd	cal'd	Last calibrated 11/29
CAUSTIC FEED		Bulk Chemical - drums	Inventory	Biweekly	7	7	7	7	7	ok
	1	POLY TANK	Inspect	Biweekly	-	-	-	-	-	The Caustic feed system is off line but is periodically inspected. When the system is in operation, inspections and maintenance tasks frequency will increase to the level necessary with chemical feed systems.
system last tested 05/10			Clean	As needed	-	-	-	-	-	
	1	MIXER	Inspect	As necessary	-	-	-	-	-	
(pump 1 new 10/2/07)	2	PUMPS	Inspect	As necessary	-	-	-	-	-	
		PIPING / TUBING	Inspect	As necessary	-	-	-	-	-	
			Clean	As needed	-	-	-	-	-	
POLYMER FEED		Bulk Chemicals -bags	Inventory	Biweekly	0	0	0	0	0	There is no polymer on-site at this time. The polymer feed system is currently offline but is periodically inspected. The system was tested 5/29/09. Water fill and level controls work. Neither mixer is getting power at LCP. An investigation revealed wiring inconsistencies and missing control parts. Pumps work in manual mode with variable speed. No leaks. As the system is put on-line, the frequency of inspections and maintenance tasks will increase.
	2	POLY TANK	Inspect	Biweekly	-	-	-	-	-	
system last tested 05/09	2	MIXER	Inspect	As needed	-	-	-	-	-	
			Clean	As needed	-	-	-	-	-	
	2	DRAIN VALVE	Exercise	As needed	-	-	-	-	-	
	2	WATER SUPPLY VALVES	Exercise	As needed	-	-	-	-	-	
	1	WATER FILTER	Inspect	As needed	-	-	-	-	-	
	3	PERISTALTIC PUMPS	Exercise	As needed	-	-	-	-	-	
	19	SYSTEM VALVES	Exercise	As needed	-	-	-	-	-	

Table 2-1 Maintenance Log
Claremont Polychemical Superfund Site
Old Bethpage New York

SYSTEM	UNITS	EQUIPMENT	ACTION	FREQUENCY	1-Nov	8-Nov	15-Nov	22-Nov	29-Nov	COMMENTS
POTASSIUM		Bulk Chemicals	Inventory	Biweekly	0	0	0	0	0	There is currently no permanganate salts on-site.
PERMANGANATE FEED	1	POLY TANK	Inspect	Biweekly	-	-	-	-	-	The potassium permangante feed system is currently off-line. The system requires replacement of PLC control system to be operational. Repair work is scheduled. As the system is returned to service, the frequency of inspections and maintenance tasks will increase.
	1	MIXER	Inspect	As needed	-	-	-	-	-	
			Clean	As needed	-	-	-	-	-	
Flange gasket replaced 8/24/10	1	DRAIN VALVE	Exercise	As needed	-	-	-	-	-	
	2	METERING PUMPS	Inspect	As needed	-	-	-	-	-	
	7	SYSTEM VALVES	exercise	As needed	-	-	-	-	-	
FLASH/FLOC TANK # 1	1	SAMPLE PORT VALVE	Exercise	Monthly	-	-	-	-	-	The flash and flocculation tanks and associated equipment are currently offline. Due to lack of solids in the groundwater, metals precipiation is not required at this time.
	1	DRAIN VALVE	Exercise	Monthly	-	-	-	-	-	
	1	SLUDGE PUMP INF. VALVE	Exercise	Monthly	-	-	-	-	-	
mixer jogged 05/09	2	MIXER	Exercise	Monthly	-	-	-	-	-	
	1	SLUDGE PUMP EFF. VALVE	Exercise	Monthly	-	-	-	-	-	
	2	GAUGE VALVES	Exercise	Monthly	-	-	-	-	-	
FLASH/FLOC TANK # 2	1	SAMPLE PORT VALVE	Exercise	Monthly	-	-	-	-	-	
	1	DRAIN VALVE	Exercise	Monthly	-	-	-	-	-	
	1	SLUDGE PUMP INF. VALVE	Exercise	Monthly	-	-	-	-	-	
mixer jogged 05/09	2	MIXER	Exercise	Monthly	-	-	-	-	-	
	1	SLUDGE PUMP EFF. VALVE	Exercise	Monthly	-	-	-	-	-	
	2	GAUGE VALVES	Exercise	Monthly	-	-	-	-	-	
CLARIFIER # 1	1	BAFFLES	Inspect	Weekly	FF	FF	FF	FF	FF	last cleaned Sept. 2010
			Clean	As needed	-	-	-	-	-	
Unit was emptied and cleaned 5/09	2	SLUDGE PUMPS	Inspect	As needed	-	-	-	-	-	idle, no sludge is being generated
baffels last cleaned 02/10			Exercise	As needed	-	-	-	-	-	
Pumps tested 6/10	3	SAMPLE PORT VALVES	Exercise	As needed	-	-	-	-	-	
	1	DRAIN VALVE	Exercise	AS needed	-	-	-	-	-	tank is full, valve not tested, no leaks
	1	WEIRS	Inspect	Weekly	FF	FF	FF	FF	FF	cleaned as needed
CLARIFIER # 2	1	BAFFLES	Inspect	Weekly	FF	FF	FF	FF	FF	last cleaned Sept. 2010
Unit was emptied and cleaned 5/09			Clean	As needed	-	-	-	-	-	
baffels last cleaned 02/10	2	SLUDGE PUMPS	Inspect	As needed	-	-	-	-	-	idle, no sludge is being generated
Pumps tested 6/10			Exercise	As needed	-	-	-	-	-	
	3	SAMPLE PORT VALVES	Exercise	As needed	-	-	-	-	-	
	1	DRAIN VALVE	Exercise	AS needed	-	-	-	-	-	System holds water, no leaks
	1	WEIRS	Inspect	Weekly	FF	FF	FF	FF	FF	
SAND FILTER # 1	4	DRAIN VALVES	Exercise	As necessary	-	-	-	-	-	System holds water, no leaks
Unit was emptied and cleaned 5/09	8	RISERS	Inspect	Weekly	FF	FF	FF	FF	FF	air sparged and brushed as needed
SAND FILTER # 2	4	DRAIN VALVES	Exercise	As Necessary	-	-	-	-	-	System holds water, no leaks
Unit was emptied and cleaned 5/09	8	RISERS	Inspect	Weekly	FF	FF	FF	FF	FF	air sparged and brushed as needed
PNEUMATIC SYSTEM	1	AIR COMPRESSOR MOTORS	Check Oil	Weekly	FF	off	off	off	off	System is off line and is activated as needed.
(off line 1/08), last changed 09/10			Change Oil, filter	As necessary	FF	off	off	off	off	
last changed 1/06	2	COMPRESSOR AIR FILTER	Inspect	Weekly	FF	off	off	off	off	
hamber rebuilt 3/20/09, changed 09/10			Change	As necessary	FF	off	off	off	off	
#1 belts changed 11/21/07	2	COMPRESSOR BELTS	Check	As necessary	FF	off	off	off	off	
			Change	As needed	FF	off	off	off	off	
control panel circuit breaker replaced 3-17-09	1	AIR COMP. TANK	Inspect	As necessary	FF	off	off	off	off	
			Check drains	As necessary	FF	off	off	off	off	auto valve is operational
	2	AIR COMP. TANK VALVES	Exercise	Monthly	FF	off	off	off	off	
	8	PRESSURE RELIEF VALVES	Inspect	Weekly	FF	off	off	off	off	

Table 2-1 Maintenance Log
Claremont Polychemical Superfund Site
Old Bethpage New York

Science Applications International Corp.
Claremont Plychemical Site
Old Bethpage, New York

SYSTEM	UNITS	EQUIPMENT	ACTION	FREQUENCY	1-Nov	8-Nov	15-Nov	22-Nov	29-Nov	COMMENTS
	3	AFTER COOLER VALVES	Exercise	Monthly	FF	off	off	off	off	
	1	AFTER COOLER DRAIN	Inspect	As necessary	FF	off	off	off	off	auto valve is operational
	4	AIR DRYER VALVES	Exercise	Monthly	FF	off	off	off	off	
repaired 2/7/07	1	AIR DRYER DRAIN	Inspect	Weekly	FF	off	off	off	off	auto valve is operational
Last replaced 09/10	2	COALESING FILTER	Drain	As necessary	FF	off	off	off	off	as necessary
			Change filter	As necessary	FF	off	off	off	off	
	4	COALESIG FILTER VALVES	Exercise	Monthly	FF	off	off	off	off	
	15	PLANT REGULATORS/TRAPS	Drain	As necessary	FF	off	off	off	off	as necessary
AIR STRIPPER FEED	2	TANK	Inspect	Weekly	FF	FF	FF	FF	FF	holding water with no leaks
probe replaced 7/08	1	pH PROBE	Calibrate	Weekly	FF	FF	FF	FF	FF	
removed and cleaned 5/28/10			Adjust	As needed	-	-	-	-	-	electrode removed and cleaned, not taking cal.
pumps and trays painted 4/10	2	pH PROBE VALVES	Exercise	Weekly	FF	FF	FF	FF	FF	
	3	PUMPS	Inspect	Weekly	FF	FF	FF	FF	FF	inspected daily, pumps rotated 3 times in October
	3	PUMP MOTORS	Inspect	Weekly	FF	FF	FF	FF	FF	amp draws taken 10/29
			Lubricate	As needed	FF	FF	FF	FF	FF	pump 3 exhibits high pitch whine
	3	CHECK VALVES	Lubricate	Monthly	OK	OK	OK	OK	OK	Valve 3 rebuilt wth used parts 10/10
			Inspect	Quarterly	-	-	-	-	-	continue to pose pump start-up problems
actuators removed 6/07	1	FLOW CONTROL VALVES	Inspect	Weekly	FF	FF	FF	FF	FF	valve is normally open
	2	TANK INFLUENT VALVES	Exercise	Monthly	FF	-	-	-	-	normally open
	2	TANK EFFLUENT VALVES	Exercise	Monthly	FF	-	-	-	-	No leaks
	2	TANK DRAIN	Exercise	Monthly	-	-	-	-	-	tank full - not tested, no leaks
	2	LEVEL INDICATOR	Inspect	Weekly	FF	FF	FF	FF	FF	
	2	LEVEL IND. ISOLATION VALVE	Exercise	Monthly	FF	-	-	-	-	
	5	PUMP INFLUENT VALVES	Exercise	Monthly	FF	-	-	-	-	
replaced 3/08	3	PUMP EFFLUENT VALVES	Exercise	Monthly	FF	-	-	-	-	
	1	SAMPLE PORT VALVE	Exercise	Weekly	FF	FF	FF	FF	FF	exercised during pH probe checks
HYDROCHLORIC FEED		Bulk Chemistry - plastic drums	Inventory	Biweekly	1	1	1	1	1	The hydrochloric acid feed system is currently offline and out of service. Equipment is checked as needed.
	1	MIXER	Inspect	As needed	NR	NR	NR	NR	NR	
system tested 5/09			Clean	As needed	-	-	-	-	-	The system was operated for several days in June 2010. Fill system, mixer, level controls, and pumps operate. Pump 1 is a little weaker than #2.
pump2 replaced 7/07	2	PUMPS	Inspect	As needed	-	-	-	-	-	
calibration column valves replaced 11/09		PIPING / TUBING	Inspect	As needed	-	-	-	-	-	
			Clean	As needed	-	-	-	-	-	
AIR STRIPPER TOWER	1	FIBERGLASS TOWER (painted 5/08)	Inspect	Weekly	FF	FF	FF	FF	FF	
heater switched off Mar-2010	1	HEATER (painted 8/10)	Inspect	Weekly	-	-	-	-	-	
Tower power washed and painted 5/08	1	GAUGES / TUBING	Inspect	Weekly	FF	FF	FF	FF	FF	drained of moisture, replaced as required
			Drain Consensate	As needed	-	-	-	-	-	drained as required
Bx-80 belts replaced 10/28/09	1	BLOWER	Inspect Belts	Weekly	FF	FF	FF	FF	FF	amp draws taken 11/24
last greased 8/31/10			Grease bearings	Monthly	FF	-	-	-	-	grease applied 11-2-10
	1	Blower Magnehelic	Inspect	Weekly	FF	FF	FF	FF	FF	
	1	SUMP	Drain	As needed	-	-	-	-	-	
		OFF GAS PIPING	Inspect	Weekly	FF	FF	FF	FF	FF	
	2	OFF GAS PIPING VALVES	Exercise	Monthly	FF	-	-	-	-	
VAPOR GAC UNITS	4	GAUGES	Inspect	Daily	FF	FF	FF	FF	FF	part of daily data collection
			Drain Condensate	As needed	-	-	-	-	-	periodically
	8	GAUGE VALVES	Exercise	Monthly	FF	-	-	-	-	
new tubing 10/29/09		TUBING	Inspect	Daily	FF	FF	FF	FF	FF	
			Replace	As needed	-	-	-	-	-	

Table 2-1 Maintenance Log
Claremont Polychemical Superfund Site
Old Bethpage New York

Science Applications International Corp.
Claremont Plychemical Site
Old Bethpage, New York

SYSTEM	UNITS	EQUIPMENT	ACTION	FREQUENCY	1-Nov	8-Nov	15-Nov	22-Nov	29-Nov	COMMENTS
AQUEOUS GAC FEED	3	PUMP	Inspect	Weekly	FF	FF	FF	FF	FF	
pumps and trays painted 4/10	3	PUMP MOTORS	inspect	Weekly	FF	FF	FF	FF	FF	inspected daily, rotated 3 times in November
New PG (P-2 out) 9/08			Lubricate	As needed	FF	-	-	-	-	
			Amp draw	Monthly	-	-	-	-	-	Amp Draws taken 11/24
	3	CHECK VALVES	Lubricate	Monthly	FF	-	-	-	-	last lubricated Sept 2010
P-2 glan repaired 1/08			Inspect	Quarterly	-	-	-	-	-	
	2	POLY TANK	Inspect	Weekly	FF	FF	FF	FF	FF	daily inspection during data collection
	2	TANK INFLUENT VALVES	Exercise	Monthly	FF	-	-	-	-	
	2	TANK EFFLUENT VALVES	Exercise	Monthly	FF	-	-	-	-	
	2	TANK DRAIN	Exercise	Monthly	-	-	-	-	-	not exercised, tank full and on-line, no leaks
	2	LEVEL Monitor ISOLATION VALVES	Exercise	Monthly	FF	-	-	-	-	
new valves 10/07	3	PUMP SUCTION VALVE	Exercise	Monthly	FF	-	-	-	-	
new valves 11/07	3	PUMP DISCHARGE VALVE	Exercise	Monthly	FF	-	-	-	-	
actuators removed 6/07	2	FLOW CONTROL VALVES	Exercise	Weekly	-	-	-	-	-	valves normally open
	2	AIR STRIP. BYPASS VALVE	Exercise	Monthly	NR	-	-	-	-	Blocked and out of service
	2	SAMPLE PORT VALVE	Exercise	Monthly	FF	-	-	-	-	
AQUEOUS GAC VESSELS	3	INFLUENT VALVES	Exercise	Monthly	FF	FF	FF	FF	FF	exercised during backwash operations
	2	PRESSURE RELIEF VALVES	Inspect	Monthly	FF	-	-	-	-	last backwashed 11/22/10
	3	BACKWASH VALVES	Exercise	Monthly	FF	FF	FF	FF	FF	
weld repairs 5/28/10	2	EFFLUENT VALVES	Exercise	Monthly	FF	FF	FF	FF	FF	
replaced #1 12/09, #2 3/10	2	SAMPLE PORT VALVE	Exercise	Monthly	FF	-	-	-	-	
	4	GAUGE ISOL. VALVES	Exercise	Monthly	FF	-	-	-	-	
TREATED WATER	2	TANK	Inspect	Daily	-	-	-	-	-	some rust present
SYSTEM	2	DRAIN VALVE	Exercise	As needed	NR	-	-	-	-	tanks are full and on-line, no leaks, valves do not properly seal
pump 3 installed 12/08 off line	3	INJECTION PUMPS	Inspect	Weekly	FF	FF	FF	FF	FF	electrical hook up of Pump #3 scheduled
pumps and trays painted 4/10	3	PUMP MOTORS	Inspect	Weekly	FF	FF	FF	FF	FF	
tanks cleaned 04/10			Lubricate	As necessary	-	-	-	-	-	
			Amp Draws	Monthly	-	-	-	-	-	Amp Draws taken 11/24
IW-3 pipe repaired 1/10	4	Injection Wells	Inspect	Weekly	FF	FF	FF	FF	FF	Falling head tests completed 11/22 no overflows
Infiltration Galleries installed 9/10	2	Infiltration Galleries	Valves	As necessary					FF	Currently IG-1 and IG-3 influent valves set at 1/2 open
	3	CHECK VALVES	Lubricate	As needed	FF	-	-	-	-	last lubricated Sept 2010
			Inspect	Quarterly	-	-	-	-	-	
	3	PUMP INFLUENT VALVES	Exercise	Monthly	FF	-	-	-	-	
	5	PUMP EFFLUENT VALVES	Exercise	Monthly	FF	-	-	-	-	
	3	RECYCLE FLOW VALVES	Exercise	Monthly	FF	-	-	-	-	
	1	BACKWASH FEED VALVE	Exercise	Monthly	FF	FF	FF	FF	FF	exercised during backwash operations
insulated 10/10	2	Level Monitor	Inspect	Weekly	FF	FF	FF	FF	FF	
	2	Level Monitor isolation valves	Exercise	Monthly	FF/FF	-	-	-	-	units insulated and heat traced 10/10
	1	Krohne Mag meter	Inspect	Weekly	FF	FF	FF	FF	FF	leak at elbow
on-line 12/09	4	IW Flow Meters	Inspect	Weekly	FF	FF	FF	FF	FF	
	8	METER ISOL. VALVES	Exercise	Monthly	FF	FF	FF	FF	FF	full open
FLOOR DRAINS & PIT	1	SUMP PIT W/ PUMP	Inspect	Weekly	FF	FF	FF	FF	FF	sludge removed 11/23/10
	12	FLOOR DRAINS	Inspect Belts	Weekly	FF	FF	FF	FF	FF	clear
sump & Pre sump cleaned 9/10	2	FLOW CONTROL VALVES	Exercise	Monthly	FF	FF	FF	FF	FF	exercised during backwash operations
RECYCLE SYSTEM	2	PUMPS	Inspect	Weekly	FF	FF	FF	FF	FF	
pumps and trays painted 4/10		PUMP MOTORS	Inspect	Weekly	FF	FF	FF	FF	FF	system spends most time in standby mode
			Lubricate	As needed	-	-	-	-	-	carbon removed from tank 10/28

Table 2-1 Maintenance Log
Claremont Polychemical Superfund Site
Old Bethpage New York

SYSTEM	UNITS	EQUIPMENT	ACTION	FREQUENCY	1-Nov	8-Nov	15-Nov	22-Nov	29-Nov	COMMENTS
			Amp Draws	Monthly	-	-	-	-	-	Amp Draws taken 11/24
	2	CHECK VALVES	Lubricate	As needed	-	-	-	-	-	last lubricated Sept 2010
			Inspect	Quarterly	FF	-	-	-	-	
	2	PUMP INFLUENT VALVES	Exercise	Monthly	FF	-	-	-	-	
	3	PUMP EFFLUENT VALVES	Exercise	Monthly	FF	-	-	-	-	
SLUDGE STORAGE	1	TANK	Inspect	Weekly	FF	FF	FF	FF	FF	
cone drain valves replaced 11/05/09	2	CONE DRAIN VALVE	Exercise	Monthly	-	-	-	-	-	clog in system. Tank will not drain
	4	DECANT VALVES	Exercise	Monthly	FF	FF	FF	FF	FF	exercised when empting tank
	1	SAMPLE PORT VALVE	Exercise	Monthly	FF	-	-	-	-	
	1	SLUDGE PRESS PUMP	Exercise	Monthly	-	-	-	-	-	
	1	LEVEL INDICATOR	Inspect	Weekly	FF	FF	FF	FF	FF	
	2	LEVEL INDIC. VALVE	Exercise	Monthly	FF	-	-	-	-	
SLUDGE PRESS	1	SLUDGE PRESS	Inspect	As needed	NR	-	-	-	-	operated as necessary,
			Exercise	As needed	NR	-	-	-	-	slight leak in hydraulic control panel
	1	INFLUENT VALVE	Exercise	As needed	NR	-	FF	FF	FF	
	4	EFFLUENT VALVES	Exercise	As needed	NR	-	FF	FF	FF	
HVAC &	1	MOTOR	Inspect	Annually	NR	-	-	-	-	last inspection 10/10
AIR HANDLING UNIT	3	BELTS	Inspect Belts	Semi-annually	NR	-	-	-	-	last inspection 10/10
	1	MOTOR BEARING	Lubricate	Semi-annually	NR	-	-	-	-	last lubbed 10/10
	1	BLOCK BEARING (SOUTH)	Lubricate	Semi-annually	NR	-	-	-	-	last Lubbed 10/10
		Filters	Inspect	As needed	NR	-	-	-	-	last changed 2/08
	1	BEARING (NORTH)	Lubricate	Semi-annually	NR	-	-	-	-	last lubbed 10/10
CONTROL ROOM	1	MCC UNIT	check lamps	Weekly	-	-	-	-	-	several sockets need replacement
	20	Ceiling	check bulbs	Daily	FF	FF	FF	FF	FF	
LABORATORY	N/A	BOTTLES	Inventory	As needed	NR	-	-	-	-	
	N/A	CHEMICALS	Inventory	as needed	NR	-	-	-	-	
	N/A	COOLERS	Inventory	As needed	NR	-	-	-	-	
PLANT AND SHOP	20	Overhead (HP) lights	Check	Daily						Bulbs are replaced as necessary
	5	exit lights	check function	Daily	FF				FF	Bulbs are replaced as necessary
	3	fluorescent lights	check function	Daily						Bulbs are replaced as necessary

COMMENTS:

FF	- FULLY FUNCTIONAL	RR	- REPAIRS REQUIRED
IOS	- INTENTIONALLY OUT OF SERVICE	NR	- NOT REQUIRED
NS	- NEEDS SERVICE (NORMAL MAINTENANCE)	NA	- NOT APPLICABLE

Table 6-1
Groundwater Elevation and Well Construction Data
Claremont Polychemical Superfund Site
Old Bethpage, NY

							Elevation (NGVD29) to Top of				February 2002			April 2002			May 2002		
Well ID	Northing (NAD27)	Easting (NAD27)	Well Diameter (inches)	Depth of Screened Interval (ft bgs)	Elev.of Screened Interval (ft AMSL)	Well Depth (ft bgs)	Ground Surface (ft AMSL)	Steel Casing (ft AMSL)	PVC Casing (ft AMSL)	Pump Cap (ft AMSL)	Sample Date	Depth to Water Below Ref El[a]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[a]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)
Monitoring Wells																			
EW-1A	193873.779	2154019.942	4	65.17 to 75.00	53.34 to 63.17	76.50	128.34	130.09	130.02	130.00	14-Feb-02	69.58	60.44	5-Apr-02	70.20	59.82	16-May-02	70.60	59.40
EW-1B	193883.104	2154024.450	4	90.17 to 100.00	28.75 to 38.58	102.40	128.75	130.65	130.56	130.53	14-Feb-02	70.17	60.39	5-Apr-02	70.77	59.79	16-May-02	71.13	59.40
EW-1C	193876.735	2154013.250	4	115.17 to125.00	3.43 to 13.26	127.50	128.43	130.60	130.47	130.44	14-Feb-02	69.75	60.72	5-Apr-02	70.51	59.96	16-May-02	71.02	59.42
EW-2A	193955.252	2154621.992	4	92.17 to 102.00	65.19 to 55.36	108.50	157.36	157.54	157.14	157.36	12-Feb-02	97.67	59.47	5-Apr-02	98.35	58.79	17-May-02	98.89	58.47
EW-2B	193968.144	2154627.191	4	120.17 to 130.00	28.74 to 38.57	129.50	157.74	157.99	157.61	157.73	12-Feb-02	98.17	59.44	5-Apr-02	98.59	59.02	15-May-02	99.05	58.68
EW-2C	193965.658	2154619.710	4	140.17 to 150.00	7.60 to 17.43	149.50	157.60	157.93	157.54	157.66	12-Feb-02	98.33	59.21	5-Apr-02	98.60	58.94	15-May-02	99.19	58.47
EW-2D	194009.000	2154637.000	2.5	291.1 to 301.1	32.55 to -142.5	301.40	158.55	158.58	NA	158.24	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-3A	192803.360	2155737.476	4	95.17 to 105.00	52.28 to 62.11	106.00	157.28	159.24	158.92	158.95	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-3B	192823.359	2155736.476	4	125.17 to 135.00	22.32 to 32.15	136.86	157.32	159.36	159.06	159.09	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-3C	192822.360	2155742.476	4	154.17 to 164.00	2.99 to -6.84	165.85	157.16	159.25	158.92	158.95	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-4A	194255.578	2154569.281	4	100.17 to 115	44.86 to 59.69	116.60	159.86	161.81	161.89	161.78	13-Feb-02	102.58	59.31	5-Apr-02	101.68	60.21	16-May-02	102.90	58.88
EW-4B	194249.291	2154569.137	4	120.17 to 130.00	29.8 to 39.63	131.72	159.80	161.91	161.67	161.80	13-Feb-02	101.42	60.25	5-Apr-02	101.72	59.95	16-May-02	102.17	59.63
EW-4C	194242.950	2154569.108	4	145.17 to 155.00	4.59 to 14.42	157.00	159.59	161.68	161.41	161.54	13-Feb-02	101.17	60.24	5-Apr-02	101.47	59.94	16-May-02	101.91	59.63
EW-4D	194268.565	2154585.597	2.5	285 to 295	25.26 to -135.2	295.00	159.74	162.24	NA	161.77	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-5	194051.026	2154443.232	4	165.17 to 175.00	31.16 to -40.99	178.87	134.01	135.81	135.55	136.98	11-Feb-02	77.08	58.47	5-Apr-02	75.43	60.12	15-May-02	78.36	58.62
EW-6A	194695.522	2154111.047	4	63.17 to 73.00	57.66 to 67.49	75.00	130.72	130.76	130.32	/d	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-6B	Abandoned		4	110.17 to 120.00	10.79 to 20.62	NA	NA	130.86	130.61	NA	abandoned			abandoned			abandoned		
EW-6C	194691.623	2154118.917	4	160.67 to 170.50	29.60 to -39.43	168.00	130.79	131.53	130.40	/d	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-7C	194676.000	2154489.000	2.5	189.00 to 199.00	37.47 to -47.47	199.50	151.53	154.14	NA	153.79	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-7D	194677.613	2154479.434	2.5	273.00 to 283.00	21.47 to -131.4	283.50	151.53	153.92	NA	153.71	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-8D	194519.683	2153954.990	2.5	232.00 to 242.00	02.49 to -112.4	242.50	129.51	131.98	NA	131.54	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-9D	194596.601	2154263.993	2.5	244.00 to 254.00	108.6 to -118.6	254.50	135.40	138.07	NA	137.53	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-10C	194593.000	2154734.000	2.5	139.5 to 149.5	19.11 to 9.11	150.00	158.61	161.23	NA	160.94	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-11D	193993.198	2155316.978	2.5	270 to 280	06.75 to -116.7	280.00	163.25	165.75	NA	165.33	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-12D	194110.000	2154849.000	2.5	209.5 to 219.5	47.33 to -57.33	220.00	162.17	164.58	NA	164.42	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-13D	194557.000	2154979.000	2.5	340 to 350	77.28 to -187.2	350.30	162.72	165.01	NA	164.73	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-14D	191632.016	2156477.193	2.5	185 to 195	85.27 to -95.27	195.00	99.73	102.25	NA	102.13	NM	NM	NM	NM	NM	NM	NM	NM	NM
SW-2	194051.190	2154448.258	4	63 to 73	65.10 to 75.10	73.11			136.93	/d		dry			dry			dry	
DW-2	194063.355	2154430.872	4	95 to 100	37.35 to 42.35	100.79			137.61	136.42	11-Feb-02	86.00	51.61	5-Apr-02	77.45	60.16	15-May-02	78.24	58.18
SW-1	194071.311	2154123.654	4	65 to 70	61.50 to 66.50	70.99			131.31	131.49	11-Feb-07	70.67	60.64	5-Apr-02	70.99	60.32		dry	
DW-1	194070.541	2154132.146	4	93.5 to 98.5	32.89 to 38.39	99.10			131.19	131.38	11-Feb-02	70.67	60.52	5-Apr-02	71.16	60.03	16-May-02	71.72	59.66
LF-02	193617.347	2153592.477	6	110 to 115	3 to 8	102.00		NA	118.70	NA	18-Feb-02	57.75	60.95	NM	NM	NM	NM	NM	NM
PPW-1	194341.106	2154124.530	12/10	300 to 330	66.15 to -196.1	330	133.85	NA	136.74	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
WT-01	194312.475	2154959.015	4	95.4 to 105.4	56.98 to 66.98	107.20	162.94	164.77	164.57	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-6D	192831.355	2154128.481	4	185 to 190	-26.1 to -31.1	190.00	158.90	NA	160.39	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-8A	193670.718	2154228.598	4	85 to 90	48.5 to 53.5	90.00	132.80	133.57	133.18	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-8B	193723.370	2154266.420	4	155 to 160	-22.2 to -27.2	160.00	132.80	NA	134.24	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-8C	193723.373	2154266.424	4	245 to 250	110.7 to -115.7	250.00	134.30	136.26	135.72	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-10B	193334.083	2155374.785	4	173 to 178	-13 to -18	178.00	160.00	162.24	161.12	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-10C	193355.184	2155308.330	4	273 to 278	113.1 to 118.1	278.00	159.90	161.16	160.27	NA	18-Feb-02	101.85	58.42	NM	NM	NM	NM	NM	NM
MW-10D	193341.537	2155310.126	4	346 to 351	186.2 to -191.2	351.00	159.80	161.85	161.17	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
BP-3A	190227.267	2155064.492	4	54 to 74	51 to 71	74.00			124.54	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
BP-3B	190244.367	2155068.492	4	215 to 235	-91 to -111	235.00			123.57	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
BP-3C	190276.367	2155078.492	4	280 to 300	-156 to -176	300.00			123.68	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
RW-01	194259.860	2154065.580	Abandoned			157 - 170	NA	Abandoned			NM	NM	NM	NM	NM	NM	NM	NM	NM
Extraction Wells																			
EX-1	193746.762	2154315.864	10	5 to110, 125 to 175		175		134.31	NA	NA	Feb-02	77.94	56.37	NM	NM	NM	29-May-02	80.00	54.31
EX-2	193853.944	2154407.808	10	95 -120, 135 -190		190		146.25	NA	NA	Feb-02	88.27	57.98	NM	NM	NM	29-May-02	NM	NM
EX-3	193997.321	2154530.799	10	94 -194		194		160.69	NA	NA	Feb-02	102.88	57.81	NM	NM	NM	29-May-02	105.00	55.69
Injection Wells																			
IW-1	194419.137	2155036.895	8	133 to 248	29.92 to -85.08	248	162.92	164.88	NA	NA	NM	NM	NM	4-Apr-02	16.40	148.48	15-May-02	4.90	159.98
IW-2	194434.129	2155148.931	8	100 to 250	63.64 to -86.36	250	163.64	165.61	NA	NA	NM	NM	NM	4-Apr-02	19.20	146.41	15-May-02	10.40	155.21
IW-3	194438.720	2155249.932	8	102 to 252	62.25 to -87.75	252	164.25	166.26	NA	NA	NM	NM	NM	4-Apr-02	3.50	162.76	15-May-02	24.10	142.16
IW-4	194315.518	2155244.734	8	100 to 250	63.84 to -86.16	250	163.84	166.09	NA	NA	NM	NM	NM	4-Apr-02	18.10	147.99	15-May-02	16.10	149.99
IG-1[j]	194391.807	2154916.695	2			5.7													
IG-3[j]	194455.720	2155354.682	2			5.7													

Well Transducer Reading at time of depth to water readings

Notes:
a)
b)
c)
d) Pump not installed
e) Unable to measure depth to water due to low conductivity
f)
g) Measured while pump was off
h) Reference elevation data not available
i) No access to well
j) location of 4" cleanout

Key:
ft bgs - feet below ground surface
ft AMSL - feet above mean sea level
Ref El - reference elevation
NM - not measured
NA - not applicable

Table 6-1
Groundwater Elevation and Well Construction Data
Claremont Polychemical Superfund Site
Old Bethpage, NY

	August 2002			October 2002			November 2002			January 2003			April 2003			July 2003			October 2003		
Well ID	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)
EW-1A	6-Aug-02	72.00	58.00	21-Oct-02	72.76	57.24	21-Nov-02	76.62	53.38	22-Jan-03	71.24	58.76	16-Apr-03	69.68	60.32	28-Jul-03	68.94	61.06	22-Oct-03	67.99	62.01
EW-1B	6-Aug-02	73.13	57.40	21-Oct-02	73.99	56.54	21-Nov-02	73.10	57.43	22-Jan-03	71.20	59.33	16-Apr-03	70.15	60.38	28-Jul-03	68.45	62.08	22-Oct-03	69.31	61.22
EW-1C	6-Aug-02	72.52	57.92	21-Oct-02	73.07	57.37	21-Nov-02	72.80	57.64	22-Jan-03	71.54	58.90	16-Apr-03	69.80	60.64	28-Jul-03	68.50	61.94	22-Oct-03	68.11	62.33
EW-2A	7-Aug-02	101.17	56.19		dry		21-Nov-02	100.20	57.16	21-Jan-03	dry			dry			dry		23-Oct-03	95.93	61.43
EW-2B	7-Aug-02	100.42	57.31	23-Oct-02	100.80	56.93	21-Nov-02	100.35	57.38	21-Jan-03	99.38	58.35	15-Apr-03	97.85	59.88	28-Jul-03	96.12	61.61	21-Oct-03	96.15	61.58
EW-2C	7-Aug-02	100.25	57.41	23-Oct-02	100.74	56.92	21-Nov-02	100.30	57.36	21-Jan-03	99.20	58.46	15-Apr-03	97.60	60.06	28-Jul-03	95.90	61.76	21-Oct-03	95.92	61.74
EW-2D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-3A	NM	NM	NM		dry		22-Nov-02	103.90	55.02	NM	NM	NM		dry			dry			dry	
EW-3B	NM	NM	NM	24-Oct-02	104.09	55.00	22-Nov-02	103.96	55.13	NM	NM	NM	15-Apr-03	101.49	57.60	28-Jul-03	98.80	60.29	21-Oct-03	99.33	59.76
EW-3C	NM	NM	NM	24-Oct-02	104.02	54.93	22-Nov-02	103.85	55.10	NM	NM	NM	15-Apr-03	101.15	57.80	28-Jul-03	98.69	60.26	21-Oct-03	98.99	59.96
EW-4A	6-Aug-02	103.49	58.29	23-Oct-02	104.12	57.66	21-Nov-02	103.66	58.12	22-Jan-03	102.52	59.26	16-Apr-03	100.92	60.86	28-Jul-03	99.25	62.53	20-Oct-03	99.45	62.33
EW-4B	6-Aug-02	103.55	58.25	23-Oct-02	104.07	57.73	21-Nov-02	103.70	58.10	22-Jan-03	102.72	59.08	16-Apr-03	100.00	61.80	28-Jul-03	99.29	62.51	20-Oct-03	99.45	62.35
EW-4C	6-Aug-02	103.48	58.06	23-Oct-02	103.92	57.62	21-Nov-02	103.43	58.11	22-Jan-03	102.28	59.26	16-Apr-03	100.65	60.89	28-Jul-03	98.95	62.59	20-Oct-03	99.24	62.30
EW-4D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-5	5-Aug-02	78.75	58.23	22-Oct-02	79.16	57.82	22-Nov-02	78.64	58.34	21-Jan-03	77.43	59.55	15-Apr-03	76.26	60.72	28-Jul-03	74.23	62.75	22-Oct-03	82.70	54.28
EW-6A	NM	NM	NM		dry			dry		NM	NM	NM	16-Apr-03	67.66	62.66	NM	NM	NM		dry	
EW-6B		abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned	
EW-6C	NM	NM	NM	23-Oct-02	71 (+/-) 1	59.4 (+/-) 1	22-Nov-02	/e	/e	NM	NM	NM	16-Apr-03	68.50	61.90	28-Jul-03	66.90	63.50	23-Oct-03	65.64	64.76
EW-7C	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-7D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-8D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-9D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-10C	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-11D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-12D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-13D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-14D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
SW-2		dry			dry			dry			dry			dry			dry			dry	
DW-2	5-Aug-02	79.50	56.92	22-Oct-02	80.11	56.31	22-Nov-02	79.59	56.83	21-Jan-03	78.58	57.84	15-Apr-03	76.76	59.66	28-Jul-03	75.26	61.16	22-Oct-03	76.49	59.93
SW-1		dry			dry			dry			dry			dry			dry			dry	
DW-1	5-Aug-02	73.12	58.26	22-Oct-02	73.78	57.60	22-Nov-02	73.60	57.78	21-Jan-03	72.40	58.98	17-Apr-03	70.76	60.62	28-Jul-03	69.00	62.38	21-Oct-03	68.97	62.41
LF-02	NM	NM	NM	21-Oct-02	61.01	57.69	19-Nov-02	60.82	57.88	NM	NM	NM	15-Apr-03	57.94	60.76	28-Jul-03	56.18	62.52	23-Oct-03	56.12	62.58
PPW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	23-Oct-03	71.15	62.70
WT-01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	17-Apr-03	103.19	61.38	28-Jul-03	101.12	63.45	22-Oct-03	100.45	64.12
MW-6D	NM	NM	NM	24-Oct-02	104.20	56.19	NM	NM	NM	NM	NM	NM	16-Apr-03	101.12	59.27	31-Jul-03	99.59	60.80	22-Oct-03	99.39	61.00
MW-8A	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-8B	NM	NM	NM	21-Oct-02	77.49	56.75	NM	NM	NM	NM	NM	NM	16-Apr-03	74.77	59.47	NM	NM	NM	22-Oct-03	72.88	61.36
MW-8C	NM	NM	NM	23-Oct-02	68.55	67.17	NM	NM	NM	NM	NM	NM	16-Apr-03	75.08	60.64	29-Jul-03	73.58	62.14	22-Oct-03	73.55	62.17
MW-10B	NM	NM	NM	24-Oct-02	105.02	56.10	NM	NM	NM	NM	NM	NM	15-Apr-03	102.08	59.04	31-Jul-03	100.82	60.30	22-Oct-03	101.38	59.74
MW-10C	NM	NM	NM	24-Oct-02	104.20	56.07	NM	NM	NM	NM	NM	NM	15-Apr-03	101.20	59.07	30-Jul-03	99.96	60.31	21-Oct-03	99.28	60.99
MW-10D	NM	NM	NM	24-Oct-02	95.00	66.17	NM	NM	NM	NM	NM	NM	15-Apr-03	102.03	59.14	30-Jul-03	100.98	60.19	21-Oct-03	99.34	61.83
BP-3A	NM	NM	NM	21-Oct-02	73.83	50.71	NM	NM	NM	NM	NM	NM	14-Apr-03	70.45	54.09	30-Jul-03	65.48	59.06	NM	NM	NM
BP-3B	NM	NM	NM	25-Oct-02	72.94	50.63	NM	NM	NM	NM	NM	NM	14-Apr-03	69.81	53.76	29-Jul-03	67.29	56.28	20-Oct-03	68.27	55.30
BP-3C	NM	NM	NM	25-Oct-02	73.17	50.51	NM	NM	NM	NM	NM	NM	14-Apr-03	70.02	53.66	29-Jul-03	67.55	56.13	20-Oct-03	68.52	55.16
RW-01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	17-Apr-03	73.80	/h	24-Jul-03	72.20	/h		abandoned	
EX-1	NM	NM	NM	Oct-02	77.12	57.19	NM	NM	NM	28-Jan-03	76.04	58.27	Apr-03	75.28	59.03	28-Jul-03	73.48	60.83	7-Oct-03	73.30	61.01
EX-2	NM	NM	NM	Oct-02	88.64	57.61	NM	NM	NM	28-Jan-03	88.12	58.13	Apr-03	86.82	59.43	28-Jul-03	85.23	61.02	7-Oct-03	85.12	61.13
EX-3	NM	NM	NM	Oct-02	102.98	57.71	NM	NM	NM	28-Jan-03	102.12	58.57	Apr-03	101.34	59.35	28-Jul-03	99.25	61.44	7-Oct-03	99.01	61.68
IW-1	8-Aug-02	7.21	157.67	28-Oct-02	13.00	151.88	19-Nov-02	7.10	157.78	23-Jan-03	10.72	154.16	Apr-03[g]	91.99	72.89	28-Jul-03	25.00	139.88	16-Oct-03	2.44	162.44
IW-2	8-Aug-02	15.61	150.00	28-Oct-02	17.93	147.68	19-Nov-02	12.59	153.02	23-Jan-03	22.30	143.31	Apr-03[g]	101.30	64.31	28-Jul-03	23.30	142.31	16-Oct-03	5.75	159.86
IW-3	8-Aug-02	14.62	151.64	28-Oct-02	2.53	163.73	19-Nov-02	6.10	160.16	23-Jan-03	14.20	152.06	Apr-03[g]	102.40	63.86	28-Jul-03	88.30	77.96	16-Oct-03	0.00	166.26
IW-4	8-Aug-02	28.78	137.31	28-Oct-02	40.32	125.77	19-Nov-02	56.00	110.09	23-Jan-03	46.31	119.78	Apr-03[g]	103.30	62.79	28-Jul-03	54.25	111.84	16-Oct-03	29.70	136.39
IG-1[i]																					
IG-3[i]																					

Well Transducer Reading at time of depth to water readings

Table 6-1
Groundwater Elevation and Well Construction Data
Claremont Polychemical Superfund Site
Old Bethpage, NY

	January 2004			April 2004			July 2004			October 2004			January 2005			April 2005			June 2005		
Well ID	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)
EW-1A	19-Jan-04	67.25	62.75	19-Apr-04	67.10	62.90	19-Jul-04	67.11	62.89	18-Oct-04	67.25	62.75	20-Jan-05	66.50	63.50	6-Apr-05	66.13	63.87	9-Jun-05	65.20	64.80
EW-1B	19-Jan-04	67.80	62.73	19-Apr-04	67.53	63.00	19-Jul-04	67.67	62.86	18-Oct-04	67.79	62.74	20-Jan-05	67.10	63.43	6-Apr-05	66.65	63.88	9-Jun-05	65.67	64.86
EW-1C	19-Jan-04	67.70	62.74	19-Apr-04	67.13	63.31	19-Jul-04	67.68	62.76	18-Oct-04	67.65	62.79	20-Jan-05	66.89	63.55	6-Apr-05	66.50	63.94	9-Jun-05	65.74	64.70
EW-2A	19-Jan-04	97.60	59.76	19-Apr-04	95.05	62.31	19-Jul-04	95.20	62.16	18-Oct-04	95.21	62.15	20-Jan-05	94.60	62.76	6-Apr-05	94.54	62.82	9-Jun-05	93.30	64.06
EW-2B	19-Jan-04	95.50	62.23	19-Apr-04	95.20	62.53	19-Jul-04	95.52	62.21	18-Oct-04	95.57	62.16	20-Jan-05	94.74	62.99	6-Apr-05	94.60	63.13	9-Jun-05	93.50	64.23
EW-2C	19-Jan-04	95.30	62.36	19-Apr-04	95.00	62.66	19-Jul-04	95.62	62.04	18-Oct-04	95.62	62.04	20-Jan-05	94.52	63.14	6-Apr-05	94.77	62.89	9-Jun-05	93.45	64.21
EW-2D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-3A	20-Jan-04	98.98	59.94	19-Apr-07	106.00	52.92	19-Jul-04	98.50	60.45	18-Oct-04	98.35	60.60	20-Jan-05	97.50	61.45	6-Apr-05	97.58	61.37	9-Jun-05	96.50	62.45
EW-3B	19-Jan-04	107.90	51.19	19-Apr-04	98.90	60.19	19-Jul-04	98.70	60.39	18-Oct-04	98.48	60.61	20-Jan-05	97.51	61.58	6-Apr-05	97.61	61.48	9-Jun-05	96.56	62.53
EW-3C	19-Jan-04	99.10	59.85	19-Apr-04	98.80	60.15	19-Jul-04	98.60	60.35	18-Oct-04	98.35	60.60	20-Jan-05	97.40	61.55	6-Apr-05	97.50	61.45	9-Jun-05	96.60	62.35
EW-4A	19-Jan-04	98.63	63.15	19-Apr-04	98.50	63.28	19-Jul-04	98.63	63.15	18-Oct-04	98.62	63.16	20-Jan-05	97.90	63.88	6-Apr-05	97.62	64.16	9-Jun-05	96.67	65.11
EW-4B	19-Jan-04	98.63	63.17	19-Apr-04	98.52	63.28	19-Jul-04	98.67	63.13	18-Oct-04	98.64	63.16	20-Jan-05	97.93	63.87	6-Apr-05	97.68	64.12	9-Jun-05	96.71	65.09
EW-4C	19-Jan-04	98.38	63.16	19-Apr-07	93.32	68.22	19-Jul-04	98.38	63.16	18-Oct-04	98.41	63.13	20-Jan-05	97.70	63.84	6-Apr-05	97.43	64.11	9-Jun-05	96.51	65.03
EW-4D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-5	19-Jan-04	74.56	62.42	19-Apr-04	73.70	63.28	19-Jul-04	73.90	63.08	18-Oct-04	74.70	62.28	20-Jan-05	73.89	63.09	6-Apr-05	73.40	63.58	9-Jun-05	72.66	64.32
EW-6A	22-Jan-04	65.49	64.83	19-Apr-07	65.20	65.12	19-Jul-04	65.45	64.87	18-Oct-04	65.37	64.95	20-Jan-05	65.00	65.32	6-Apr-05	64.40	65.92	9-Jun-05	63.33	66.99
EW-6B	abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned		
EW-6C	19-Jan-04	66.66	63.74	19-Apr-07	65.68	64.72	19-Jul-04	66.13	64.27	18-Oct-04	65.95	64.45	20-Jan-05	65.20	65.20	6-Apr-05	64.82	65.58	9-Jun-05	63.80	66.60
EW-7C	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	20-Jan-05	88.61	65.18	6-Apr-05	88.36	65.43	9-Jun-05	87.68	66.11
EW-7D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	20-Jan-05	88.60	65.11	6-Apr-05	88.35	65.36	9-Jun-05	87.70	66.01
EW-8D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	20-Jan-05	66.56	64.98	6-Apr-05	66.26	65.28	9-Jun-05	71.57	59.97
EW-9D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	20-Jan-05	72.45	65.08	6-Apr-05	72.24	65.29	9-Jun-05	65.69	71.84
EW-10C	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-11D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-12D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-13D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-14D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
SW-2	dry			dry			dry			dry			dry			dry			dry		
DW-2	19-Jan-04	73.60	62.82	19-Apr-07	68.20	68.22	19-Jul-04	74.51	61.91	18-Oct-04	73.80	62.62	20-Jan-05	74.50	61.92	6-Apr-05	73.72	62.70	9-Jun-05	66.31	70.11
SW-1	19-Jan-04	68.40	63.09	19-Apr-04	68.20	63.29	19-Jul-04	68.32	63.17	18-Oct-04	68.36	63.13	20-Jan-05	67.72	63.77	6-Apr-05	67.30	64.19	NM	NM	NM
DW-1	19-Jan-04	68.35	63.03	19-Apr-07	74.49	56.89	19-Jul-04	68.25	63.13	18-Oct-04	68.31	63.07	20-Jan-05	67.64	63.74	6-Apr-05	67.23	64.15	9-Jun-05	66.21	65.17
LF-02	22-Jan-04	55.60	63.10	19-Apr-04	55.25	63.45	19-Jul-04	55.55	63.15	18-Oct-04	55.59	63.11	20-Jan-05	54.69	64.01	6-Apr-05	54.29	64.41	10-Jun-05	53.55	65.15
PPW-1	21-Jan-04	69.57	64.28	21-Apr-04	70.33	63.52	20-Jul-04	70.77	63.08	20-Oct-04	70.30	63.55	20-Jan-05	72.32	64.42	6-Apr-05	71.90	64.84	9-Jun-05	71.5	65.24
WT-01	21-Jan-04	100.99	63.58	20-Apr-04	100.68	63.89	20-Jul-04	100.68	63.89	20-Oct-04	100.37	64.20	20-Jan-05	99.65	64.92	6-Apr-05	99.58	64.99	9-Jun-05	98.61	65.96
MW-6D	26-Jan-04	99.31	61.08	19-Apr-04	98.73	61.66	19-Jul-04	98.70	98.73	18-Oct-04	98.66	61.66	20-Jan-05	97.60	98.73	12-Apr-05	97.90	62.49	9-Jun-05	96.67	63.72
MW-8A	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-8B	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-8C	22-Jan-04	73.10	62.62	19-Apr-04	72.85	62.87	19-Jul-04	73.19	62.53	18-Oct-04	73.19	62.53	20-Jan-05	72.17	63.55	11-Apr-05	71.89	63.83	9-Jun-05	71.20	64.52
MW-10B	23-Jan-04	99.95	61.17	20-Apr-04	100.08	61.04	20-Jul-04	100.02	61.10	19-Oct-04	99.73	61.39	20-Jan-05	98.40	62.72	12-Apr-05	97.85	63.27	9-Jun-05	97.65	63.47
MW-10C	22-Jan-04	99.12	61.15	20-Apr-04	98.91	61.36	21-Jul-04	99.02	61.25	20-Oct-04	98.55	61.72	20-Jan-05	97.70	62.57	14-Apr-05	97.12	63.15	9-Jun-05	96.84	63.43
MW-10D	23-Jan-04	100.07	61.10	20-Apr-04	99.65	61.52	21-Jul-04	100.11	61.06	20-Oct-04	99.33	61.84	20-Jan-05	98.68	62.49	14-Apr-05	98.30	62.87	9-Jun-05	97.98	63.19
BP-3A	NM	NM	NM	21-Apr-04	67.32	57.22	21-Jul-04	65.87	58.67	21-Oct-04	65.48	59.06	20-Jan-05	NM[i]	NM	14-Apr-05	64.60	59.94	NM	NM	NM
BP-3B	NM	NM	NM	21-Apr-04	67.77	55.80	21-Jul-04	67.97	55.60	21-Oct-04	66.87	56.70	20-Jan-05	NM[i]	NM	14-Apr-05	65.92	57.65	NM	NM	NM
BP-3C	NM	NM	NM	21-Apr-04	67.97	55.71	21-Jul-04	67.71	55.97	21-Oct-04	67.09	56.59	20-Jan-05	NM[i]	NM	14-Apr-05	66.12	57.56	NM	NM	NM
RW-01	abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned		
EX-1	NM	NM	NM	28-Apr-04	79.78	54.53	26-Jul-04	80.15	54.16	26-Oct-04[g]	74.30	60.01	18-Jan-05	79.05	55.26	6-Apr-05	79.79	54.52	9-Jun-05	78.65	55.66
EX-2	NM	NM	NM	28-Apr-04	91.46	54.79	26-Jul-04	99.11	47.14	26-Oct-04	90.37	55.88	18-Jan-05	90.23	56.02	6-Apr-05	89.85	56.40	9-Jun-05	89.07	57.18
EX-3	27-Jan-04	66.40	94.29	28-Apr-04	105.25	55.44	26-Jul-04	105.95	54.74	26-Oct-04	106.01	54.68	18-Jan-05	106.00	54.69	6-Apr-05	97.50	63.19	9-Jun-05	104.68	56.01
IW-1	16-Jan-04	11.30	153.58	19-Apr-04	5.65	159.23	23-Jul-04	100.50	64.38	18-Oct-04	61.88	103.00	20-Jan-05	32.88	132.00	6-Apr-05	29.88	135.00	9-Jun-05	32.88	132.00
IW-2	16-Jan-04	23.97	141.64	19-Apr-04	12.32	153.29	23-Jul-04	40.10	125.51	18-Oct-04	15.61	150.00	20-Jan-05	10.61	155.00	6-Apr-05	18.61	147.00	9-Jun-05	11.61	154.00
IW-3	16-Jan-04	30.00	136.26	19-Apr-04	2.53	163.73	23-Jul-04	100.10	66.16	18-Oct-04	18.26	148.00	20-Jan-05	10.26	156.00	6-Apr-05	13.26	153.00	9-Jun-05	13.26	153.00
IW-4	16-Jan-04	61.62	104.47	19-Apr-04	21.90	144.19	23-Jul-04	81.20	84.89	18-Oct-04	42.09	124.00	20-Jan-05	26.09	140.00	6-Apr-05	16.09	150.00	9-Jun-05	19.09	147.00
IG-1[j]																					
IG-3[j]																					

Well Transducer Reading at time of depth to water readings

Table 6-1
Groundwater Elevation and Well Construction Data
Claremont Polychemical Superfund Site
Old Bethpage, NY

	July 2005			September 2005			January 2006			March 2006			April 2006			May 2006			July 2006		
Well ID	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)
EW-1A	15-Jul-05	65.40	64.60	27-Sep-05	67.10	62.90	26-Jan-06	63.88	66.12	27-Mar-06	62.94	67.06	5-Apr-06	62.87	67.13	22-May-06	63.00	67.00	18-Jul-06	62.98	67.02
EW-1B	15-Jul-05	65.89	64.64	27-Sep-05	67.65	62.88	26-Jan-06	64.40	66.13	27-Mar-06	63.43	67.10	5-Apr-06	63.37	67.16	22-May-06	63.52	67.01	18-Jul-06	62.54	67.99
EW-1C	15-Jul-05	65.91	64.53	27-Sep-05	67.85	62.59	26-Jan-06	64.00	66.44	27-Mar-06	63.53	66.91	5-Apr-06	63.07	67.37	22-May-06	63.61	66.83	18-Jul-06	63.26	67.18
EW-2A	15-Jul-05	93.55	63.81	27-Sep-05	95.54	61.82	26-Jan-06	91.84	65.52	27-Mar-06	91.11	66.25	5-Apr-06	90.97	66.39	22-May-06	91.15	66.21	18-Jul-06	91.11	66.25
EW-2B	15-Jul-05	93.79	63.94	27-Sep-05	95.71	62.02	26-Jan-06	92.08	65.65	27-Mar-06	91.44	66.29	5-Apr-06	91.25	66.48	22-May-06	91.51	66.22	18-Jul-06	91.59	66.14
EW-2C	15-Jul-05	93.91	63.75	27-Sep-05	97.74	59.92	26-Jan-06	92.34	65.32	27-Mar-06	91.65	66.01	5-Apr-06	91.53	66.13	22-May-06	91.73	65.93	18-Jul-06	91.77	65.89
EW-2D	NM	NM	NM	NM	NM	NM	26-Jan-06	92.34	65.90	27-Mar-06	91.44	66.80	5-Apr-06	91.25	66.99	22-May-06	91.38	66.86	18-Jul-06	91.58	66.66
EW-3A	15-Jul-05	96.74	62.21	27-Sep-05	98.58	60.37	26-Jan-06	95.28	63.67	27-Mar-06	94.36	64.59	5-Apr-06	94.40	64.55	22-May-06	94.41	64.54	18-Jul-06	94.45	64.50
EW-3B	15-Jul-05	96.98	62.11	27-Sep-05	98.90	60.19	26-Jan-06	95.32	63.77	27-Mar-06	94.60	64.49	5-Apr-06	94.54	64.55	22-May-06	94.59	64.50	18-Jul-06	94.64	64.45
EW-3C	15-Jul-05	96.89	62.06	27-Sep-05	98.82	60.13	26-Jan-06	95.20	63.75	27-Mar-06	94.50	64.45	5-Apr-06	94.44	64.51	22-May-06	94.48	64.47	18-Jul-06	94.58	64.37
EW-4A	15-Jul-05	96.97	64.81	27-Sep-05	98.74	63.04	26-Jan-06	95.35	66.43	27-Mar-06	94.46	67.32	5-Apr-06	94.41	67.37	22-May-06	94.44	67.34	18-Jul-06	94.50	67.28
EW-4B	15-Jul-05	97.00	64.80	27-Sep-05	98.80	63.00	26-Jan-06	95.38	66.42	27-Mar-06	94.58	67.22	5-Apr-06	94.45	67.35	22-May-06	94.50	67.30	18-Jul-06	94.54	67.26
EW-4C	15-Jul-05	96.78	64.76	27-Sep-05	98.50	63.04	26-Jan-06	95.16	66.38	27-Mar-06	94.33	67.21	5-Apr-06	94.25	67.29	22-May-06	94.19	67.35	18-Jul-06	94.33	67.21
EW-4D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	18-Jul-06	94.44	67.33
EW-5	15-Jul-05	72.20	64.78	27-Sep-05	73.62	63.36	26-Jan-06	70.15	66.83	27-Mar-06	69.75	67.23	5-Apr-06	69.80	67.18	22-May-06	69.39	67.59	18-Jul-06	69.75	67.23
EW-6A	15-Jul-05	63.80	66.52	27-Sep-05	65.00	65.32	26-Jan-06	62.50	67.82	27-Mar-06	61.40	68.92	5-Apr-06	61.40	68.92	22-May-06	61.14	69.18	18-Jul-06	61.00	69.32
EW-6B	abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned		
EW-6C	15-Jul-05	64.20	66.20	27-Sep-05	65.49	64.91	26-Jan-06	62.28	68.12	27-Mar-06	61.49	68.91	5-Apr-06	61.81	68.59	22-May-06	61.19	69.21	18-Jul-06	61.80	68.60
EW-7C	15-Jul-05	88.10	65.69	27-Sep-05	89.61	64.18	26-Jan-06	86.18	67.61	27-Mar-06	85.40	68.39	5-Apr-06	85.43	68.36	22-May-06	85.28	68.51	18-Jul-06	85.50	68.29
EW-7D	15-Jul-05	88.10	65.61	27-Sep-05	89.87	63.84	26-Jan-06	86.18	67.53	27-Mar-06	85.40	68.31	5-Apr-06	85.44	68.27	22-May-06	85.30	68.41	18-Jul-06	85.50	68.21
EW-8D	15-Jul-05	66.05	65.49	27-Sep-05	67.80	63.74	26-Jan-06	64.10	67.44	27-Mar-06	63.30	68.24	5-Apr-06	63.32	68.22	22-May-06	63.39	68.15	18-Jul-06	63.52	68.02
EW-9D	15-Jul-05	71.94	65.59	3-Oct-05	73.49	64.04	26-Jan-06	70.03	67.50	27-Mar-06	69.25	68.28	5-Apr-06	69.30	68.23	22-May-06	69.20	68.33	18-Jul-06	69.40	68.13
EW-10C	NM	NM	NM	NM	NM	NM	26-Jan-06	93.44	67.50	27-Mar-06	92.60	68.34	5-Apr-06	92.57	68.37	22-May-06	92.35	68.59	18-Jul-06	92.62	68.32
EW-11D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	22-May-06	98.33	67.00	18-Jul-06	98.65	66.68
EW-12D	NM	NM	NM	NM	NM	NM	26-Jan-06	98.03	66.39	27-Mar-06	97.21	67.21	5-Apr-06	97.16	67.26	22-May-06	97.30	67.12	18-Jul-06	97.30	67.12
EW-13D	NM	NM	NM	NM	NM	NM	26-Jan-06	98.16	66.57	27-Mar-06	97.41	67.32	5-Apr-06	97.37	67.36	22-May-06	NM	NM	18-Jul-06	97.50	67.23
EW-14D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	22-May-06	39.49	62.64	18-Jul-06	39.53	62.60
SW-2	dry			dry			dry			dry			dry			dry			dry		
DW-2	15-Jul-05	72.80	63.62	27-Sep-05	75.61	60.81	26-Jan-06	71.25	65.17	27-Mar-06	70.43	65.99	5-Apr-06	70.50	65.92	22-May-06	70.34	66.08	18-Jul-06	70.55	65.87
SW-1	15-Jul-05	66.60	64.89	27-Sep-05	68.35	63.14	26-Jan-06	65.10	66.39	27-Mar-06	64.13	67.36	5-Apr-06	64.10	67.39	22-May-06	64.18	67.31	18-Jul-06	64.20	67.29
DW-1	15-Jul-05	66.52	64.86	27-Sep-05	68.29	63.09	26-Jan-06	65.00	66.38	27-Mar-06	64.04	67.34	5-Apr-06	64.02	67.36	22-May-06	64.03	67.35	18-Jul-06	64.10	67.28
LF-02	15-Jul-05	53.81	64.89	28-Sep-05	55.46	63.24	26-Jan-06	52.20	66.50	27-Mar-06	51.35	67.35	5-Apr-06	51.59	67.11	22-May-06	51.41	67.29	18-Jul-06	51.50	67.20
PPW-1	15-Jul-05	71.87	64.87	27-Sep-05	73.50	63.24	26-Jan-06	69.70	67.04	27-Mar-06	69.06	67.68	5-Apr-06	69.06	67.68	22-May-06	69.03	67.71	18-Jul-06	69.37	67.37
WT-01	15-Jul-05	99.06	65.51	27-Sep-05	100.70	63.87	26-Jan-06	97.45	67.12	27-Mar-06	96.50	68.07	5-Apr-06	96.40	68.17	22-May-06	96.48	68.09	18-Jul-06	96.60	67.97
MW-6D	15-Jul-05	96.93	63.46	27-Sep-05	98.64	61.75	26-Jan-06	95.31	65.08	27-Mar-06	94.44	65.95	5-Apr-06	94.42	65.97	22-May-06	94.58	65.81	18-Jul-06	94.72	65.67
MW-8A	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-8B	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	22-May-06	NM	NM	18-Jul-06	NM	NM
MW-8C	15-Jul-05	71.56	64.16	27-Sep-05	73.30	62.42	26-Jan-06	69.53	66.19	27-Mar-06	68.94	66.78	5-Apr-06	68.75	66.97	22-May-06	69.00	66.72	18-Jul-06	69.00	66.72
MW-10B	15-Jul-05	97.99	63.13	27-Sep-05	99.85	61.27	26-Jan-06	95.20	65.92	27-Mar-06	95.60	65.52	5-Apr-06	95.51	65.61	22-May-06	95.60	65.52	18-Jul-06	95.70	65.42
MW-10C	15-Jul-05	97.23	63.04	27-Sep-05	99.02	61.25	26-Jan-06	95.50	64.77	27-Mar-06	95.20	65.07	5-Apr-06	94.65	65.62	22-May-06	94.69	65.58	18-Jul-06	94.80	65.47
MW-10D	15-Jul-05	97.30	63.87	27-Sep-05	100.15	61.02	26-Jan-06	96.10	65.07	27-Mar-06	95.68	65.49	5-Apr-06	95.62	65.55	22-May-06	95.60	65.57	18-Jul-06	95.90	65.27
BP-3A	21-Jul-05	63.08	61.46	6-Oct-05	65.50	59.04	2-Feb-06	62.20	62.34	NM	NM	NM	13-Apr-06	61.45	63.09	22-May-06	NM	NM	27-Jul-06	60.99	63.55
BP-3B	21-Jul-05	66.04	57.53	6-Oct-05	68.18	55.39	NM	NM	NM	NM	NM	NM	13-Apr-06	63.89	59.68	22-May-06	NM	NM	27-Jul-06	NM	NM
BP-3C	21-Jul-05	66.29	57.39	6-Oct-05	68.42	55.26	NM	NM	NM	NM	NM	NM	13-Apr-06	64.10	59.58	22-May-06	NM	NM	27-Jul-06	NM	NM
RW-01	abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned		
EX-1	13-Jul-05	79.30	55.01	27-Sep-05	81.31	53.00	26-Jan-06	69.15	65.16	27-Mar-06	77.70	56.61	5-Apr-06	76.70	57.61	22-May-06	68.31	66.00	18-Jul-06	68.38	65.93
EX-2	21-Jul-05	89.61	56.64	27-Sep-05	91.90	54.35	26-Jan-06	81.23	65.02	27-Mar-06	87.93	58.32	5-Apr-06	87.90	58.35	22-May-06	80.35	65.90	18-Jul-06	87.95	58.30
EX-3	15-Jul-05	105.15	55.54	27-Sep-05	107.20	53.49	26-Jan-06	95.13	65.56	27-Mar-06	103.34	57.35	5-Apr-06	103.50	57.19	22-May-06	94.34	66.35	18-Jul-06	103.82	56.87
IW-1	15-Jul-05	34.88	130.00	27-Sep-05	29.88	135.00	26-Jan-06	20.88	144.00	27-Mar-06	33.88	131.00	5-Apr-06	18.88	146.00	22-May-06	19.88	145.00	18-Jul-06	22.88	142.00
IW-2	15-Jul-05	10.61	155.00	27-Sep-05	8.61	157.00	26-Jan-06	13.61	152.00	27-Mar-06	21.61	144.00	5-Apr-06	31.61	134.00	22-May-06	24.61	141.00	18-Jul-06	18.88	146.00
IW-3	15-Jul-05	12.26	154.00	27-Sep-05	14.26	152.00	26-Jan-06	11.26	155.00	27-Mar-06	17.26	149.00	5-Apr-06	26.26	140.00	22-May-06	21.26	145.00	18-Jul-06	13.88	151.00
IW-4	15-Jul-05	17.09	149.00	27-Sep-05	19.09	147.00	26-Jan-06	13.09	153.00	27-Mar-06	25.09	141.00	5-Apr-06	16.09	150.00	22-May-06	13.09	153.00	18-Jul-06	10.88	154.00
IG-1[f]																					
IG-3[f]																					

Well Transducer Reading at time of depth to water readings

Table 6-1
Groundwater Elevation and Well Construction Data
Claremont Polychemical Superfund Site
Old Bethpage, NY

	October 2006			January 2007			May 2007			July 2007			October 2007			January 2008			April 2008			
Well ID	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date
EW-1A	07-Oct-06	63.98	66.02	4-Jan-07	63.55	66.45	11-May-07	62.21	67.79	5-Jul-07	62.49	67.51	5-Oct-07	62.54	67.46	8-Jan-08	62.95	67.05	10-Apr-08	62.49	67.51	14-Jul-08
EW-1B	07-Oct-06	64.51	66.02	4-Jan-07	64.03	66.50	11-May-07	62.71	67.82	5-Jul-07	63.01	67.52	5-Oct-07	63.03	67.50	8-Jan-08	63.90	66.63	10-Apr-08	63.00	67.53	14-Jul-08
EW-1C	07-Oct-06	64.69	65.75	4-Jan-07	63.99	66.45	11-May-07	62.51	67.93	5-Jul-07	63.14	67.30	5-Oct-07	62.72	67.72	8-Jan-08	63.69	66.75	10-Apr-08	62.71	67.73	14-Jul-08
EW-2A	07-Oct-06	92.40	64.96	4-Jan-07	91.79	65.57	11-May-07	90.25	67.11	5-Jul-07	90.67	66.69	5-Oct-07	90.71	66.65	8-Jan-08	91.35	66.01	10-Apr-08	90.72	66.64	16-Jul-08
EW-2B	07-Oct-06	92.54	65.19	4-Jan-07	92.10	65.63	11-May-07	90.44	67.29	5-Jul-07	91.19	66.54	5-Oct-07	90.82	66.91	8-Jan-08	91.54	66.19	10-Apr-08	90.98	66.75	14-Jul-08
EW-2C	07-Oct-06	92.75	64.91	4-Jan-07	92.29	65.37	11-May-07	90.35	67.31	5-Jul-07	91.32	66.34	5-Oct-07	90.64	67.02	8-Jan-08	91.82	65.84	10-Apr-08	91.25	66.41	14-Jul-08
EW-2D	07-Oct-06	92.54	65.70	4-Jan-07	91.81	66.43	11-May-07	90.75	67.49	5-Jul-07	91.00	67.24	5-Oct-07	90.91	67.33	8-Jan-08	91.40	66.84	10-Apr-08	90.85	67.39	16-Jul-08
EW-3A	07-Oct-06	95.70	63.25	4-Jan-07	95.21	63.74	11-May-07	94.12	64.83	5-Jul-07	94.00	64.95	5-Oct-07	94.35	64.60	8-Jan-08	94.89	64.06	10-Apr-08	94.21	64.74	14-Jul-08
EW-3B	07-Oct-06	95.84	63.25	4-Jan-07	95.33	63.76	11-May-07	94.22	64.87	5-Jul-07	94.30	64.79	5-Oct-07	94.58	64.51	8-Jan-08	95.09	64.00	10-Apr-08	94.32	64.77	14-Jul-08
EW-3C	07-Oct-06	95.72	63.23	4-Jan-07	95.22	63.73	11-May-07	94.09	64.86	5-Jul-07	94.22	64.73	5-Oct-07	94.48	64.47	8-Jan-08	95.01	63.94	10-Apr-08	94.21	64.74	17-Jul-08
EW-4A	07-Oct-06	95.40	66.38	4-Jan-07	95.03	66.75	11-May-07	93.80	67.98	5-Jul-07	94.02	67.76	5-Oct-07	94.18	67.60	8-Jan-08	94.98	66.80	10-Apr-08	94.10	67.68	15-Jul-08
EW-4B	07-Oct-06	95.44	66.36	4-Jan-07	95.08	66.72	11-May-07	93.81	67.99	5-Jul-07	94.08	67.72	5-Oct-07	94.22	67.58	8-Jan-08	95.52	66.28	10-Apr-08	94.12	67.68	15-Jul-08
EW-4C	07-Oct-06	95.15	66.39	4-Jan-07	94.75	66.79	11-May-07	93.62	67.92	5-Jul-07	93.80	67.74	5-Oct-07	93.95	67.59	8-Jan-08	94.61	66.93	10-Apr-08	93.82	67.72	16-Jul-08
EW-4D	07-Oct-06	95.22	66.55	4-Jan-07	94.56	67.21	11-May-07	93.95	67.82	5-Jul-07	93.82	67.95	5-Oct-07	94.02	67.75	8-Jan-08	94.59	67.18	10-Apr-08	93.82	67.95	14-Jul-08
EW-5	07-Oct-06	70.57	66.41	4-Jan-07	69.83	67.15	11-May-07	69.24	67.74	5-Jul-07	68.83	68.15	5-Oct-07	69.04	67.94	8-Jan-08	70.00	66.98	10-Apr-08	69.03	67.95	15-Jul-08
EW-6A	07-Oct-06	61.75	68.57	4-Jan-07	61.72	68.60	11-May-07	60.43	69.89	5-Jul-07	60.80	69.52	5-Oct-07	61.01	69.31	8-Jan-08	61.69	68.63	10-Apr-08	61.28	69.04	17-Jul-08
EW-6B	abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			
EW-6C	07-Oct-06	62.75	67.65	4-Jan-07	62.28	68.12	11-May-07	61.00	69.40	5-Jul-07	61.80	68.60	5-Oct-07	61.30	69.10	8-Jan-08	62.00	68.40	10-Apr-08	61.30	69.10	17-Jul-08
EW-7C	07-Oct-06	86.34	67.45	4-Jan-07	85.68	68.11	11-May-07	84.96	68.83	5-Jul-07	85.02	68.77	5-Oct-07	85.11	68.68	8-Jan-08	85.58	68.21	10-Apr-08	85.20	68.59	14-Jul-08
EW-7D	07-Oct-06	86.35	67.36	4-Jan-07	85.68	68.03	11-May-07	84.75	68.96	5-Jul-07	85.03	68.68	5-Oct-07	85.14	68.57	8-Jan-08	85.52	68.19	10-Apr-08	85.10	68.61	14-Jul-08
EW-8D	07-Oct-06	64.38	67.16	4-Jan-07	63.64	67.90	11-May-07	62.66	68.88	5-Jul-07	62.95	68.59	5-Oct-07	63.02	68.52	8-Jan-08	63.42	68.12	10-Apr-08	62.95	68.59	14-Jul-08
EW-9D	07-Oct-06	70.25	67.28	4-Jan-07	69.62	67.91	11-May-07	68.70	68.83	5-Jul-07	68.90	68.63	5-Oct-07	69.00	68.53	8-Jan-08	69.49	68.04	10-Apr-08	68.80	68.73	14-Jul-08
EW-10C	07-Oct-06	93.49	67.45	4-Jan-07	93.00	67.94	11-May-07	92.22	68.72	5-Jul-07	92.00	68.94	5-Oct-07	92.26	68.68	8-Jan-08	92.88	68.06	10-Apr-08	92.33	68.61	14-Jul-08
EW-11D	07-Oct-06	99.62	65.71	4-Jan-07	98.88	66.45	11-May-07	98.35	66.98	5-Jul-07	98.22	67.11	5-Oct-07	98.30	67.03	8-Jan-08	98.95	66.38	10-Apr-08	96.25	69.08	14-Jul-08
EW-12D	07-Oct-06	98.27	66.15	4-Jan-07	97.77	66.65	11-May-07	97.10	67.32	5-Jul-07	96.87	67.55	5-Oct-07	97.10	67.32	8-Jan-08	97.54	66.88	10-Apr-08	97.10	67.32	14-Jul-08
EW-13D	07-Oct-06	98.48	66.25	4-Jan-07	97.49	67.24	11-May-07	96.76	67.97	5-Jul-07	97.01	67.72	5-Oct-07	97.10	67.63	8-Jan-08	97.54	67.19	10-Apr-08	97.86	66.87	14-Jul-08
EW-14D	07-Oct-06	41.02	61.11	4-Jan-07	43.50	58.63	15-May-06	39.09	63.04	5-Jul-07	39.50	62.63	gate locked			8-Jan-08	40.47	61.66	10-Apr-08	39.31	62.82	14-Jul-08
SW-2	dry			dry			dry			dry			dry			dry			dry			
DW-2	07-Oct-06	71.44	64.98	4-Jan-07	79.90	56.52	11-May-07	69.65	66.77	5-Jul-07	69.80	66.62	5-Oct-07	70.01	66.41	8-Jan-08	71.68	64.74	10-Apr-08	69.99	66.43	15-Jul-08
SW-1	07-Oct-06	65.03	66.46	4-Jan-07	64.73	66.76	11-May-07	63.40	68.09	5-Jul-07	63.70	67.79	5-Oct-07	63.80	67.69	8-Jan-08	64.59	66.90	10-Apr-08	63.74	67.75	15-Jul-08
DW-1	07-Oct-06	64.95	66.43	4-Jan-07	64.62	66.76	11-May-07	63.30	68.08	5-Jul-07	63.57	67.81	5-Oct-07	64.01	67.37	8-Jan-08	64.10	67.28	10-Apr-08	63.64	67.74	15-Jul-08
LF-02	11-Oct-06	40.02	78.68	4-Jan-07	51.65	67.05	11-May-07	50.89	67.81	5-Jul-07	50.80	67.90	5-Oct-07	50.70	68.00	8-Jan-08	51.20	67.50	10-Apr-08	50.70	68.00	16-Jul-08
PPW-1	07-Oct-06	70.23	66.51	4-Jan-07	69.34	67.40	11-May-07	68.66	68.08	5-Jul-07	68.20	68.54	5-Oct-07	68.88	67.86	8-Jan-08	69.14	67.60	10-Apr-08	68.62	68.12	16-Jul-08
WT-01	07-Oct-06	97.54	67.03	4-Jan-07	97.58	66.99	11-May-07	96.35	68.22	5-Jul-07	96.50	68.07	5-Oct-07	96.01	68.56	8-Jan-08	96.60	67.97	10-Apr-08	96.13	68.44	16-Jul-08
MW-6D	07-Oct-06	95.95	64.44	4-Jan-07	94.80	65.59	11-May-07	94.00	66.39	5-Jul-07	93.90	66.49	10-Oct-07	93.80	66.59	8-Jan-08	94.40	65.99	10-Apr-08	93.88	66.51	16-Jul-08
MW-8A	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	10-Apr-08	68.40	64.78	17-Jul-08
MW-8B	07-Oct-06	NM	NM	4-Jan-07	NM	NM	11-May-07	NM	NM	5-Jul-07	NM	NM	10-Oct-07	67.64	NM	8-Jan-08	67.41	56.27	10-Apr-08	67.80	66.44	15-Jul-08
MW-8C	07-Oct-06	70.20	65.52	4-Jan-07	69.38	66.34	11-May-07	68.20	67.52	5-Jul-07	68.65	67.07	10-Oct-07	68.53	67.19	8-Jan-08	69.19	66.53	10-Apr-08	68.50	67.22	16-Jul-08
MW-10B	07-Oct-06	96.79	64.33	4-Jan-07	96.20	64.92	11-May-07	95.20	65.92	5-Jul-07	95.25	65.87	10-Oct-07	95.52	65.60	8-Jan-08	95.84	65.28	10-Apr-08	95.28	65.84	15-Jul-08
MW-10C	07-Oct-06	95.56	64.71	4-Jan-07	95.23	65.04	11-May-07	95.10	65.17	5-Jul-07	94.30	65.97	10-Oct-07	94.48	65.79	8-Jan-08	94.90	65.37	10-Apr-08	94.32	65.95	15-Jul-08
MW-10D	07-Oct-06	97.05	64.12	4-Jan-07	96.00	65.17	11-May-07	94.22	66.95	5-Jul-07	95.40	65.77	10-Oct-07	95.52	65.65	8-Jan-08	95.78	65.39	10-Apr-08	95.18	65.99	15-Jul-08
BP-3A	12-Oct-06	62.27	62.27	18-Jan-07	62.87	61.67	16-May-07	61.47	63.07	12-Jul-07	61.29	63.25	5-Oct-07	61.15	63.39	8-Jan-08	62.91	61.63	10-Apr-08	62.18	62.36	16-Jul-08
BP-3B	12-Oct-06	65.27	58.30	18-Jan-07	64.57	59.00	16-May-07	63.35	NM	12-Jul-07	63.84	59.73	5-Oct-07	NM	NM	8-Jan-08	64.61	58.96	10-Apr-08	NM	NM	17-Jul-08
BP-3C	12-Oct-06	65.50	58.18	18-Jan-07	62.92	60.76	16-May-07	63.56	NM	12-Jul-07	NM	NM	5-Oct-07	NM	NM	8-Jan-08	64.83	58.85	10-Apr-08	nm	NM	17-Jul-08
RW-01	abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			
EX-1	07-Oct-06	79.75	54.56	4-Jan-07	72.27	62.04	10-May-07	NM	NM	5-Jul-07	NM	NM	5-Oct-07	NM	NM	NM	NM	NM	NM	NM	NM	NM
EX-2	07-Oct-06	89.35	56.90	4-Jan-07	88.86	57.39	11-May-07	87.90	58.35	5-Jul-07	80.30	65.95	5-Oct-07	88.31	57.94	NM	NM	NM	NM	NM	NM	NM
EX-3	07-Oct-06	102.96	57.73	4-Jan-07	104.88	55.81	11-May-07	85.57	75.12	5-Jul-07	93.91	66.78	5-Oct-07	94.01	66.68	NM	NM	NM	NM	NM	NM	NM
IW-1	7-Oct-06	24.88	140.00	4-Jan-07	21.88	143.00	22-May-06	19.88	145.00	5-Jul-07	21.88	143.00	5-Oct-07	6.88	158.00	8-Jan-08	5.68	161.00	10-Apr-08	-2.42	167.30	25-Sep-08
IW-2	7-Oct-06	21.88	143.00	4-Jan-07	22.61	143.00	22-May-06	24.61	141.00	5-Jul-07	21.88	143.00	5-Oct-07	8.88	156.00	8-Jan-08	6.51	162.30	10-Apr-08	-5.22	170.10	25-Sep-08
IW-3	7-Oct-06	10.88	154.00	4-Jan-07	11.26	155.00	22-May-06	21.26	145.00	5-Jul-07	14.88	150.00	5-Oct-07	9.88	155.00	8-Jan-08	9.96	161.20	10-Apr-08	-4.72	169.60	25-Sep-08
IW-4	7-Oct-06	11.88	153.00	4-Jan-07	13.09	153.00	22-May-06	13.09	153.00	5-Jul-07	13.88	151.00	5-Oct-07	6.88	158.00	8-Jan-08	10.49	157.80	10-Apr-08	6.48	158.40	25-Sep-08
IG-1[l]																						
IG-3[l]																						

Well Transducer Reading at time of depth to water readings

Table 6-1
Groundwater Elevation and Well Construction Data
Claremont Polychemical Superfund Site
Old Bethpage, NY

	July 2008		October 2008			January 2009			April 2009			July 2009			October 2009			Jan-10			Apr-10			
Well ID	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b] (ft)	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b] (ft)	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b] (ft)	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b] (ft)	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b] (ft)	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b] (ft)	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b] (ft)	Water Elevation (ft AMSL)	Sample Date
EW-1A	62.97	67.03	7-Oct-08	63.58	66.42	12-Jan-09	63.22	66.78	6-Apr-09	62.54	67.46	13-Jul-09	62.85	67.15	19-Oct-09	64.00	66.00	14-Jan-10	64.85	65.15	1-Apr-10	63.30	66.70	8-Jul-10
EW-1B	63.86	66.67	7-Oct-08	64.38	66.15	12-Jan-09	63.82	66.71	6-Apr-09	63.22	67.31	13-Jul-09	63.63	66.90	19-Oct-09	64.50	66.03	14-Jan-10	64.50	66.03	1-Apr-10	63.87	66.66	8-Jul-10
EW-1C	63.72	66.72	7-Oct-08	64.30	66.14	12-Jan-09	63.84	66.60	6-Apr-09	63.07	67.37	13-Jul-09	63.79	66.65	19-Oct-09	64.90	65.54	14-Jan-10	64.20	66.24	1-Apr-10	63.73	66.71	8-Jul-10
EW-2A	91.53	65.83	9-Oct-08	91.59	65.77	12-Jan-09	91.90	65.46	7-Apr-09	90.45	66.91	13-Jul-09	90.93	66.43	20-Oct-09	92.41	64.95	14-Jan-10	92.65	64.71	1-Apr-10	91.28	66.08	8-Jul-10
EW-2B	91.80	65.93	10-Oct-08	92.65	65.08	12-Jan-09	91.40	66.33	7-Apr-09	11.38	146.36	13-Jul-09	91.56	66.17	20-Oct-09	92.56	65.17	14-Jan-10	92.65	65.08	1-Apr-10	91.58	66.15	13-Jul-10
EW-2C	91.35	66.31	9-Oct-08	92.40	65.26	12-Jan-09	91.79	65.87	7-Apr-09	91.20	66.46	14-Jul-09	91.73	65.93	21-Oct-09	92.57	65.09	14-Jan-10	93.12	64.54	1-Apr-10	91.50	66.16	14-Jul-10
EW-2D	91.79	66.45	7-Oct-08	92.18	66.06	13-Jan-09	91.62	66.62	7-Apr-09	91.28	66.96	14-Jul-09	91.81	66.43	20-Oct-09	92.64	65.60	19-Jan-10	92.33	65.91	6-Apr-10	90.65	67.59	13-Jul-10
EW-3A	94.64	64.31	8-Oct-08	95.15	63.80	13-Jan-09	94.83	64.12	8-Apr-09	94.60	64.35	14-Jul-09	94.78	64.17	19-Oct-09	95.65	63.30	15-Jan-10	95.50	63.45	5-Apr-10	94.28	64.67	9-Jul-10
EW-3B	94.96	64.13	8-Oct-08	95.48	63.61	13-Jan-09	94.75	64.34	8-Apr-09	94.93	64.16	14-Jul-09	94.93	64.16	19-Oct-09	95.96	63.13	15-Jan-10	95.86	63.23	5-Apr-10	94.13	64.96	9-Jul-10
EW-3C	94.85	64.10	8-Oct-08	95.24	63.71	13-Jan-09	94.69	64.26	7-Apr-09	94.84	64.11	14-Jul-09	94.75	64.20	19-Oct-09	95.83	63.12	15-Jan-10	96.75	62.20	5-Apr-10	94.10	64.85	9-Jul-10
EW-4A	95.20	66.58	7-Oct-08	95.50	66.28	13-Jan-09	94.90	66.88	6-Apr-09	94.68	67.10	14-Jul-09	95.10	66.68	20-Oct-09	97.20	64.58	15-Jan-10	95.64	66.14	5-Apr-10	94.55	67.23	9-Jul-10
EW-4B	94.76	67.04	7-Oct-08	95.68	66.12	13-Jan-09	95.00	66.80	7-Apr-09	94.62	67.18	14-Jul-09	95.32	66.48	20-Oct-09	97.00	64.80	15-Jan-10	96.35	65.45	5-Apr-10	94.84	66.96	9-Jul-10
EW-4C	94.77	66.77	7-Oct-08	95.15	66.39	13-Jan-09	94.20	67.34	7-Apr-09	94.25	67.29	14-Jul-09	94.57	66.97	20-Oct-09	95.92	65.62	15-Jan-10	96.10	65.44	5-Apr-10	94.12	67.42	9-Jul-10
EW-4D	94.85	66.92	6-Oct-08	95.33	66.44	12-Jan-09	94.48	67.29	6-Apr-09	94.20	67.57	13-Jul-09	94.56	67.21	19-Oct-09	95.65	66.12	18-Jan-10	95.42	66.35	5-Apr-10	94.07	67.70	12-Jul-10
EW-5	70.50	66.48	8-Oct-08	70.55	66.43	14-Jan-09	69.63	67.35	8-Apr-09	69.65	67.33	15-Jul-09	69.50	67.48	21-Oct-09	72.32	64.66	19-Jan-10	71.70	65.28	6-Apr-10	69.19	67.79	13-Jul-10
EW-6A	61.84	68.48	7-Oct-08	62.31	68.01	14-Jan-09	61.55	68.77	7-Apr-09	61.28	69.04	14-Jul-09	61.51	68.81	20-Oct-09	62.62	67.70	19-Jan-10	61.77	68.55	7-Apr-10	60.95	69.37	13-Jul-10
EW-6B	abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned		
EW-6C	62.30	68.10	7-Oct-08	62.80	67.60	13-Jan-09	61.89	68.51	7-Apr-09	61.94	68.46	14-Jul-09	62.10	68.30	20-Oct-09	63.18	67.22	19-Jan-10	62.56	67.84	7-Apr-10	61.30	69.10	13-Jul-10
EW-7C	85.83	67.96	6-Oct-08	86.39	67.40	12-Jan-09	85.69	68.10	6-Apr-09	97.43	56.36	13-Jul-09	85.68	68.11	19-Oct-09	86.80	66.99	18-Jan-10	86.17	67.62	5-Apr-10	84.98	68.81	12-Jul-10
EW-7D	85.85	67.86	6-Oct-08	86.35	67.36	12-Jan-09	85.53	68.18	6-Apr-09	97.35	56.36	13-Jul-09	85.64	68.07	19-Oct-09	86.86	66.85	18-Jan-10	86.24	67.47	5-Apr-10	85.05	68.66	12-Jul-10
EW-8D	63.68	67.86	6-Oct-08	64.24	67.30	12-Jan-09	63.49	68.05	6-Apr-09	63.13	68.41	13-Jul-09	63.51	68.03	19-Oct-09	64.70	66.84	18-Jan-10	64.08	67.46	5-Apr-10	62.92	68.62	12-Jul-10
EW-9D	69.58	67.95	6-Oct-08	70.15	67.38	12-Jan-09	69.40	68.13	6-Apr-09	69.27	68.26	13-Jul-09	69.62	67.91	19-Oct-09	70.68	66.85	18-Jan-10	70.21	67.32	5-Apr-10	68.99	68.54	12-Jul-10
EW-10C	92.93	68.01	7-Oct-08	93.59	67.35	13-Jan-09	92.84	68.10	6-Apr-09	92.62	68.32	13-Jul-09	92.93	68.01	19-Oct-09	94.03	66.91	18-Jan-10	93.26	67.68	5-Apr-10	92.00	68.94	13-Jul-10
EW-11D	99.07	66.26	6-Oct-08	99.52	65.81	13-Jan-09	98.72	66.61	6-Apr-09	98.63	66.70	13-Jul-09	98.93	66.40	19-Oct-09	100.06	65.27	18-Jan-10	99.65	65.68	5-Apr-10	97.92	67.41	12-Jul-10
EW-12D	97.86	66.56	6-Oct-08	98.35	66.07	13-Jan-09	97.73	66.69	6-Apr-09	97.35	67.07	13-Jul-09	97.85	66.57	19-Oct-09	98.91	65.51	18-Jan-10	98.36	66.06	5-Apr-10	96.93	67.49	12-Jul-10
EW-13D	97.94	66.79	6-Oct-08	98.25	66.48	12-Jan-09	97.38	67.35	6-Apr-09	97.30	67.43	13-Jul-09	97.70	67.03	19-Oct-09	98.72	66.01	18-Jan-10	98.10	66.63	5-Apr-10	96.57	68.16	12-Jul-10
EW-14D	40.17	61.96	7-Oct-08	40.34	61.79	13-Jan-09	39.68	62.45	7-Apr-09	40.02	62.11	14-Jul-09	39.75	62.38	20-Oct-09	41.18	60.95	19-Jan-10	40.95	61.18	5-Apr-10	38.08	64.05	12-Jul-10
SW-2	dry			dry			dry			dry			dry			dry			dry			dry		
DW-2	70.60	65.82	8-Oct-08	70.96	65.46	14-Jan-09	70.80	65.62	6-Apr-09	69.95	66.47	13-Jul-09	70.17	66.25	21-Oct-09	71.85	64.57	19-Jan-10	70.20	66.22	6-Apr-10	70.32	66.10	13-Jul-10
SW-1	64.50	66.99	8-Oct-08	64.05	67.44	14-Jan-09	64.65	66.84	7-Apr-09	64.00	67.49	15-Jul-09	64.34	67.15	21-Oct-09	65.40	66.09	19-Jan-10	65.15	66.34	6-Apr-10	64.31	67.18	8-Jul-10
DW-1	64.20	67.18	8-Oct-08	64.64	66.74	14-Jan-09	64.20	67.18	7-Apr-09	63.37	68.01	15-Jul-09	64.00	67.38	21-Oct-09	65.23	66.15	19-Jan-10	65.81	65.57	6-Apr-10	63.85	67.53	8-Jul-10
LF-02	52.54	66.16	8-Oct-08	51.94	66.76	14-Jan-09	51.60	67.10	8-Apr-09	51.20	67.50	15-Jul-09	51.50	67.20	22-Oct-09	52.35	66.35	19-Jan-10	52.53	66.17	7-Apr-10	51.10	67.60	12-Jul-10
PPW-1	69.65	67.09	9-Oct-08	69.79	66.95	Permanently closed Oct. 2008			Permanently closed Oct. 2008			Permanently closed Oct. 2008			Permanently closed Oct. 2008			Permanently closed Oct. 2008			Permanently closed Oct. 2008			Permanent
WT-01	96.65	67.92	9-Oct-08	97.29	67.28	14-Jan-09	96.63	67.94	7-Apr-09	96.52	68.05	14-Jul-09	96.71	67.86	21-Oct-09	97.59	66.98	20-Jan-10	96.42	68.15	8-Apr-10	95.38	69.19	14-Jul-10
MW-6D	94.82	65.57	8-Oct-08	94.99	65.40	14-Jan-09	94.80	65.59	8-Apr-09	94.35	66.04	15-Jul-09	94.71	65.68	21-Oct-09	95.74	64.65	20-Jan-10	95.73	64.66	6-Apr-10	94.20	66.19	14-Jul-10
MW-8A	68.40	64.78	8-Oct-08	69.25	63.93	14-Jan-09	68.91	64.27	9-Apr-09	68.44	64.74	16-Jul-09	68.55	64.63	22-Oct-09	69.92	63.26	21-Jan-10	68.76	64.42	7-Apr-10	68.70	64.48	14-Jul-10
MW-8B	68.48	NM	8-Oct-08	70.14	64.10	15-Jan-09	68.40	65.84	9-Apr-09	67.58	66.66	16-Jul-09	65.70	68.54	22-Oct-09	69.55	64.69	21-Jan-10	69.44	64.80	7-Apr-10	67.05	67.19	14-Jul-10
MW-8C	69.21	66.51	8-Oct-08	70.30	65.42	14-Jan-09	68.90	66.82	9-Apr-09	69.00	66.72	16-Jul-09	69.00	66.72	22-Oct-09	70.26	65.46	21-Jan-10	70.08	65.64	7-Apr-10	68.40	67.32	15-Jul-10
MW-10B	95.66	65.46	8-Oct-08	96.30	64.82	14-Jan-09	95.82	65.30	8-Apr-09	95.72	65.40	15-Jul-09	95.81	65.31	21-Oct-09	96.84	64.28	20-Jan-10	96.68	64.44	6-Apr-10	95.07	66.05	13-Jul-10
MW-10C	95.95	64.32	9-Oct-08	95.34	64.93	15-Jan-09	94.80	65.47	8-Apr-09	94.74	65.53	15-Jul-09	94.99	65.28	21-Oct-09	95.83	64.44	20-Jan-10	95.75	64.52	6-Apr-10	94.00	66.27	14-Jul-10
MW-10D	96.12	65.05	9-Oct-08	96.15	65.02	15-Jan-09	95.47	65.70	8-Apr-09	95.70	65.47	15-Jul-09	95.93	65.24	21-Oct-09	95.73	65.44	20-Jan-10	96.46	64.71	6-Apr-10	94.35	66.82	14-Jul-10
BP-3A	62.08	62.46	8-Oct-08	62.35	62.19	14-Jan-09	62.50	62.04	9-Apr-09	64.45	60.09	13-Jul-09	61.80	62.74	22-Oct-09	62.65	61.89	20-Jan-10	63.53	61.01	7-Apr-10	61.24	63.30	12-Jul-10
BP-3B	64.43	NM	9-Oct-08	64.51	59.06			123.57	9-Apr-09	64.45	59.12	16-Jul-09	63.90	59.67	22-Oct-09	65.34	58.23	21-Jan-10	65.25	58.32	8-Apr-10	nr	#VALUE!	15-Jul-10
BP-3C	84.71	NM	9-Oct-08	64.76	58.92	15-Jan-09	64.78	58.90	9-Apr-09	64.64	59.04	16-Jul-09	64.10	59.58	26-Oct-09	65.79	57.89	20-Jan-10	63.30	60.38	7-Apr-10	62.03	61.65	12-Jul-10
RW-01	abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned		
EX-1	NM	NM	16-Oct-08	80.70	53.61	20-Jan-09	80.40	53.91	14-Apr-09	80.52	53.79	20-Jul-09	68.30	66.01	13-Oct-09	69.29	65.02	11-Jan-10	82.68	51.63	12-Apr-10	81.56	52.75	26-Jul-10
EX-2	NM	NM	16-Oct-08	87.98	58.27	20-Jan-09	86.90	59.35	14-Apr-09	87.45	58.80	20-Jul-09	87.50	58.75	13-Oct-09	85.62	60.63	11-Jan-10	89.40	56.85	12-Apr-10	87.90	58.35	20-Jul-10
EX-3	NM	NM	16-Oct-08	104.60	56.09	20-Jan-09	84.96	75.73	14-Apr-09	**	#VALUE!	20-Jul-09	91.00	69.69	13-Oct-09	107.10	53.59	11-Jan-10	95.20	65.49	12-Apr-10	87.30	73.39	20-Jul-10
IW-1	1.60	163.28	17-Oct-08	6.05	158.83	20-Jan-09	0.00	164.88	1-Apr-09	15.00	149.88	21-Jul-09	0.46	164.42	28-Oct-09	2.57	162.31	22-Jan-10	4.44	160.44	24-Mar-10	5.25	159.63	24-Jun-10
IW-2	3.85	161.76	17-Oct-08	6.80	158.81	20-Jan-09	16.10	149.51	1-Apr-09	18.30	147.31	21-Jul-09	17.70	147.91	28-Oct-09	18.30	147.31	22-Jan-10	16.40	149.21	24-Mar-10	11.98	153.63	24-Jun-10
IW-3	1.62	164.64	17-Oct-08	10.55	155.71	20-Jan-09	4.70	161.56	1-Apr-09	10.77	155.49	21-Jul-09	9.20	157.06	28-Oct-09	4.70	161.56	22-Jan-10	104.50	61.76	24-Mar-10	5.30	160.96	24-Jun-10
IW-4	11.80	154.29	17-Oct-08	10.55	155.54	20-Jan-09	7.50	158.59	1-Apr-09	18.20	147.89	21-Jul-09	19.90	146.19	28-Oct-09	17.53	148.56	22-Jan-10	5.10	160.99	24-Mar-10	8.98	157.11	24-Jun-10
IG-1[j]																								
IG-3[j]																								
Well Transducer Reading at time of depth to water readings	IW-1		17-Oct-08		162.3	20-Jan-09		169.5	1-Apr-09		152.9	21-Jul-09		168.1	28-Oct-09		167.1	22-Jan-10		162.9	24-Mar-10		162.4	24-Jun-10
	IW-2		17-Oct-08		164.9	20-Jan-09		147.8	1-Apr-09		154.7	21-Jul-09		152.1	28-Oct-09		145.7	22-Jan-10		143.4	24-Mar-10		153.8	24-Jun-10
	IW-3		17-Oct-08		159.5	20-Jan-09		165.2	1-Apr-09		159.2	21-Jul-09		160.8	28-Oct-09		165.9	22-Jan-10		61.5	24-Mar-10		154.5	24-Jun-10
	IW-4		17-Oct-08		158.5	20-Jan-09		161.8	1-Apr-09		151.3	21-Jul-09		150.3	28-Oct-09		152.6	22-Jan-10		163	24-Mar-10		157.7	24-Jun-10

** 4/14/09 problems with DTW reading on Ext-3 (95.5 feet)

Table 6-1
Groundwater Elevation and Well Construction Data
Claremont Polychemical Superfund Site
Old Bethpage, NY

	Jul-10		Oct-10		
Well ID	Depth to Water Below Ref El[b] (ft)	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b] (ft)	Water Elevation (ft AMSL)
EW-1A	62.00	68.00	12-Oct-10	63.10	66.90
EW-1B	61.90	68.63	12-Oct-10	63.00	67.53
EW-1C	61.75	68.69	12-Oct-10	63.48	66.96
EW-2A	90.20	67.16	12-Oct-10	91.52	65.84
EW-2B	90.20	67.53	12-Oct-10	91.70	66.03
EW-2C	90.05	67.61	12-Oct-10	91.85	65.81
EW-2D	89.91	68.33	12-Oct-10	91.74	66.50
EW-3A	92.68	66.27	12-Oct-10	94.61	64.34
EW-3B	93.03	66.06	12-Oct-10	94.84	64.25
EW-3C	93.00	65.95	12-Oct-10	94.81	64.14
EW-4A	93.40	68.38	12-Oct-10	94.78	67.00
EW-4B	93.63	68.17	12-Oct-10	94.83	66.97
EW-4C	92.95	68.59	12-Oct-10	94.61	66.93
EW-4D	93.01	68.76	12-Oct-10	94.93	66.84
EW-5	69.32	67.66	12-Oct-10	69.06	67.92
EW-6A	59.93	70.39	12-Oct-10	61.92	68.40
EW-6B	abandoned			abandoned	
EW-6C	60.48	69.92	12-Oct-10	62.00	68.40
EW-7C	84.13	69.66	12-Oct-10	85.93	67.86
EW-7D	84.10	69.61	12-Oct-10	85.83	67.88
EW-8D	61.83	69.71	12-Oct-10	60.73	70.81
EW-9D	67.89	69.64	12-Oct-10	60.73	76.80
EW-10C	93.82	67.12	12-Oct-10	97.71	63.23
EW-11D	97.24	68.09	12-Oct-10	99.01	66.32
EW-12D	96.03	68.39	12-Oct-10	97.72	66.70
EW-13D	96.27	68.46	12-Oct-10	92.71	72.02
EW-14D	38.25	63.88	17-Nov-10	40.81	61.32
SW-2	dry			dry	
DW-2	69.07	67.35	12-Oct-10	70.71	65.71
SW-1	62.69	68.80	12-Oct-10	64.47	67.02
DW-1	62.28	69.10	12-Oct-10	63.83	67.55
LF-02	46.64	72.06	12-Oct-10	51.60	67.10
PPW-1	ntly closed Oct. 2008		Permanently closed Oct. 2008		
WT-01	92.42	72.15	12-Oct-10	97.15	67.42
MW-6D	92.59	67.80	12-Oct-10	94.70	65.69
MW-8A	66.86	66.32	17-Nov-10	70.50	62.68
MW-8B	66.10	68.14	17-Nov-10	68.98	65.26
MW-8C	67.43	68.29	12-Oct-10	65.92	69.80
MW-10B	90.95	70.17	12-Oct-10	95.88	65.24
MW-10C	92.93	67.34	12-Oct-10	95.30	64.97
MW-10D	94.20	66.97	12-Oct-10	96.10	65.07
BP-3A	59.35	65.19	3-Nov-10	62.03	62.51
BP-3B	62.21	61.36	3-Nov-10	64.90	58.67
BP-3C	62.30	61.38	3-Nov-10	65.05	58.63
RW-01	abandoned			abandoned	
EX-1	79.20	55.11	12-Oct-10	80.15	54.16
EX-2	87.10	59.15	12-Oct-10	88.30	57.95
EX-3	107.22	53.47	12-Oct-10	107.90	52.79
IW-1	5.20	159.68	14-Oct-10	5.40	159.48
IW-2	11.98	153.63	14-Oct-10	13.78	151.83
IW-3	5.30	160.96	14-Oct-10	5.40	160.86
IW-4	8.98	157.11	14-Oct-10	12.83	153.26
IG-1[j]					
IG-3[j]					
Well Transducer Reading at time of depth to water readings		162.5	14-Oct-10		161.2
		147.0	14-Oct-10		124.4
		154.8	14-Oct-10		163.6
		155.2	14-Oct-10		154.1

TABLE 7-1
CLAREMONT POLYCHEMICAL SUPERFUND SITE
MAGNETIC FLOW METER DAILY TOTALIZER READINGS

November 2010

DATE	TOTALIZER READING	GALLONS PER DAY	GALLONS PER MINUTE
11/1/2010	251222607	587393	408
11/2/2010	251810000	560000	389
11/3/2010	252370000	560000	389
11/4/2010	252930000	570000	396
11/5/2010	253500000	1710000	396
11/8/2010	255210000	570000	396
11/9/2010	255780000	560000	389
11/10/2010	256340000	570000	396
11/11/2010	256910000	550000	382
11/12/2010	257460000	1700000	394
11/15/2010	259160000	560000	389
11/16/2010	259720000	570000	396
11/17/2010	260290000	560000	389
11/18/2010	260850000	540000	375
11/19/2010	261390000	1720000	398
11/22/2010	263110000	460000	319
11/23/2010	263570000	560000	389
11/24/2010	264130000	2840000	394
11/29/2010	266970000	570000	396
11/30/2010	267540000	505610	351
12/1/2010	268045610		
Nov. 2010 TOTAL TREATED WATER		**16,823,003**	
Nov. 2010 AVERAGE GALLONS PER MINUTE DISCHARGED			**389**

Table 15-1
Injection Well Soundings
Claremont Polychemical Superfund Site

Date	Injection Well 1		Injection Well 2		Injection Well 3		Injection Well 4	
	Depth to Bottom (ft)	Difference	Depth to Bottom (ft)	Difference	Depth to Bottom (ft)	Difference	Depth to Bottom (ft)	Difference
6/17/2004	248.50	--	248.50	--	253.20	--	205.00	--
7/23/2004	247.97	0.53	248.19	0.31	251.20	2.00	203.50	1.50
8/16/2004	247.90	0.07	248.18	0.01	251.00	0.20	203.40	0.10
9/14/2004	247.95	-0.05	248.15	0.03	251.10	-0.10	203.95	-0.55
10/28/2004	247.79	0.16	248.20	-0.05	251.20	-0.10	203.15	0.80
11/15/2004	247.40	0.39	248.26	-0.06	251.03	0.17	204.03	-0.88
12/29/2004	247.87	-0.47	248.33	-0.07	250.82	0.21	204.40	-0.37
1/10/2005	247.83	0.04	248.12	0.21	250.54	0.28	204.70	-0.30
2/16/2005	247.50	0.33	248.25	-0.13	250.45	0.09	204.36	0.34
3/18/2005	247.82	-0.32	248.10	0.15	250.40	0.05	204.43	-0.07
4/5/2005	247.78	0.04	248.13	-0.03	250.47	-0.07	204.20	0.23
5/10/2005	247.81	-0.03	248.14	-0.01	250.45	0.02	204.22	-0.02
6/30/2005	247.62	0.19	247.25	0.89	250.36	0.09	204.04	0.18
7/26/2005	247.67	-0.05	246.82	0.43	249.93	0.43	204.11	-0.07
8/29/2005	247.71	-0.04	246.50	0.32	249.78	0.15	204.17	-0.06
9/27/2005	247.77	-0.06	246.29	0.21	249.77	0.01	203.90	0.27
10/24/2005	247.78	-0.01	246.00	0.29	249.44	0.33	203.84	0.06
11/14/2005	247.51	0.27	246.19	-0.19	249.10	0.34	203.57	0.27
12/27/2005	247.60	-0.09	245.70	0.49	249.32	-0.22	203.83	-0.26
1/27/2006	247.51	0.09	246.09	-0.39	249.21	0.11	203.98	-0.15
2/16/2006	247.50	0.01	245.69	0.40	249.19	0.02	203.98	0.00
3/23/2006*	247.59	-0.09	245.65	0.04	249.60	-0.41	203.75	0.23
4/28/2006	247.54	0.05	243.68	1.97	249.50	0.10	203.78	-0.03
5/24/2006	247.38	0.16	243.61	0.07	249.57	-0.07	203.90	-0.12
6/20/2006	247.47	-0.09	243.70	-0.09	249.46	0.11	203.14	0.76
7/28/2006	247.44	0.03	243.37	0.33	249.52	-0.06	203.33	-0.19
8/21/2006	247.34	0.10	243.19	0.18	249.42	0.10	202.88	0.45
9/22/2006	247.36	-0.02	242.70	0.49	249.27	0.15	203.05	-0.17
10/30/2006	247.16	0.20	242.64	0.06	249.48	-0.21	203.92	-0.87
11/29/2006	247.32	-0.16	242.50	0.14	249.22	0.26	203.19	0.73
12/29/2006	247.22	0.10	242.52	-0.02	249.29	-0.07	203.15	0.04
1/30/2007	247.44	-0.22	242.60	-0.08	249.47	-0.18	203.35	-0.20
2/21/2007	247.63	-0.19	242.56	0.04	249.42	0.05	203.32	0.03
3/29/2007	247.11	0.52	242.54	0.02	249.22	0.20	201.55	1.77
4/20/2007	247.17	-0.06	242.29	0.25	249.19	0.03	201.24	0.31
5/25/2007	246.85	0.32	242.86	-0.57	249.11	0.08	201.24	0.00
6/28/2007	246.63	0.22	242.15	0.71	248.80	0.31	200.96	0.28
7/26/2007	245.88	0.75	242.13	0.02	248.78	0.02	200.80	0.16
8/23/2007	245.96	-0.08	242.03	0.10	248.73	0.05	200.22	0.58
9/27/2007	245.79	0.17	241.96	0.07	246.80	1.93	200.29	-0.07
10/25/2007	244.69	1.10	242.08	-0.12	248.73	-1.93	200.14	0.15
11/19/2007	242.20	2.49	242.00	0.08	249.60	-0.87	201.05	-0.91
12/21/2007	235.02	7.18	241.56	0.44	249.62	-0.02	200.08	0.97
1/29/2008	232.46	2.56	241.98	-0.42	249.63	-0.01	200.03	0.05
2/29/2008	226.58	5.88	242.12	-0.14	249.82	-0.19	199.52	0.51
3/27/2008	220.50	6.08	241.90	0.22	249.50	0.32	199.30	0.22
4/29/2008	222.50	-2.00	242.02	-0.12	249.60	-0.10	198.98	0.32
5/30/2008	218.55	3.95	241.90	0.12	249.47	0.13	198.65	0.33
6/26/2008	218.60	-0.05	241.95	-0.05	249.50	-0.03	198.65	0.00
7/29/2008	214.98	3.62	242.20	-0.25	249.68	-0.18	198.68	-0.03
8/26/2008	207.03	7.95	241.90	0.30	249.72	-0.04	198.65	0.03
9/26/2008	202.40	4.63	241.93	-0.03	249.52	0.20	198.60	0.05
10/27/2008	200.68	1.72	241.88	0.05	249.50	0.02	198.59	0.01
11/20/2008	198.05	2.63	242.12	-0.24	249.54	-0.04	198.64	-0.05
12/29/2008	178.29	19.76	242.10	0.02	249.15	0.39	198.30	0.34
1/26/2009	167.50	10.79	241.90	0.20	248.87	0.28	198.28	0.02

Table 15-1
Injection Well Soundings
Claremont Polychemical Superfund Site

2/25/2009	151.20	16.30	242.00	-0.10	248.80	0.07	198.80	-0.52
3/13/2009	148.68	2.52	241.87	0.13	248.94	-0.14	198.28	0.52
4/17/2009	148.52	0.16	241.67	0.20	249.00	-0.06	198.10	0.18
5/15/2009	147.60	0.92	241.64	0.03	249.05	-0.05	198.10	0.00
6/8/2009	147.50	0.10	241.60	0.04	248.95	0.10	197.92	0.18
7/27/2009	147.20	0.30	242.40	-0.80	249.00	-0.05	197.90	0.02
8/13/2009	147.20	0.00	241.55	0.85	248.90	0.10	198.00	-0.10
9/16/2009	147.20	0.00	241.50	0.05	248.90	0.00	198.00	0.00
10/28/2009	147.20	0.00	241.44	0.06	248.50	0.40	197.95	0.05
11/19/2009	146.90	0.30	241.50	-0.06	248.53	-0.03	198.00	-0.05
12/10/2009	147.40	-0.50	242.50	-1.00	249.20	-0.67	198.10	-0.10
1/22/2010	147.20	0.20	241.80	0.70	248.50	0.70	198.00	0.10
3/4/2010	147.28	-0.08	241.20	0.60	245.45	3.05	198.00	0.00
3/24/2010	144.95	2.33	241.60	-0.40	248.30	-2.85	198.00	0.00
4/19/2010	147.25	-2.30	241.65	-0.05	247.70	0.60	198.00	0.00
5/26/2010	147.28	-0.03	241.80	-0.15	248.00	-0.30	198.00	0.00
6/24/2010	147.18	0.10	241.72	0.08	248.80	-0.80	198.00	0.00
7/27/2010	144.50	2.68	241.10	0.62	248.90	-0.10	198.00	0.00
8/19/2010	146.95	-2.45	241.70	-0.60	249.05	-0.15	198.00	0.00
9/14/2010	146.00	0.95	241.70	0.00	249.10	-0.05	198.00	0.00
10/14/2010	145.90	0.10	241.65	0.05	249.10	0.00	198.00	0.00
11/8/2010	144.46	1.44	241.60	0.05	249.00	0.10	198.00	0.00
Change 6/17/04 to present		**104.04**		**6.90**		**4.20**		**7.00**
Change 6-04 through 2-06		1.00		2.81		4.01		1.02
*Injection wells IW-2 and IW-3 redeveloped during week ending 3/17/2006								
Change 3-06 thru 10/07		2.90		3.57		0.87		3.61
Injection wells IW-1 and IW-3 were redeveloped during week ending 11/9/07								
Change 11-07 thru 3/08		21.70		0.10		0.10		1.75
Injection wells IW-1 and IW-3 were redeveloped during week ending 4/25/08								
Change 4/08 to present		**78.04**		**0.42**		**0.60**		**0.98**

APPENDIX A

Project Status Reports

Project Status Report No. 41
Long Term Response Action (LTRA) Contract W912 DQ-07-D-0044-0001
Science Applications International Corporation
Date: November 24, 2010

This status report is for activities associated with the operation and maintenance of the Claremont Polychemical Superfund Site Groundwater Treatment Plant (GWTP) during the period from November 1, 2010 through November 22, 2010. This represents the forty first status report under SAIC's Long Term Response Action (LTRA) contract W912 DQ-07-D-0044-0001.

Quantity of Water Treated

Approximately 11.9 million gallons of groundwater were treated during this 22 day period. This equates to 566.071 gallons per day of continuous water treatment at an average treatment rate of ~393 gallons per minute. This is well above the current daily treatment goal of 482,400 gpd, with the plant running continuously at approximately 335 gpm. On November 2nd, the plant experienced a momentary power outage which created some systemantic problems but no downtime.

General Activities and Events

This Reporting Period

- Site activities involved normal GWTP operations, maintenance and inspections.
- As a result of a momentary power outage, ASF pump #2 failed to restart which backed up the plant.
- Influent Pump #3 is inactive at this time.
- A conference call was conducted with SAIC, USACE and USEPA to discuss NYSDEC needs prior to the transfer of the plant operation.

Upcoming

.

- Paperwork regarding the extension of the SPDES equivalency permit has been submitted to the NYSDEC. The renewal of the permit is pending.
- Collection and transfer of requested documents to the NYSDEC.

Reporting and Documentation

This Reporting Period

- The monthly report for October was completed and submitted with associated documents.
- The Q3 green energy usage data was submitted to USACE
- The Water Level data base was updated
- The water Level Data Sheet (CPS-Form-027) was updated (rev.D)

Upcoming

- Submit this November Progress Report with related documents.
- Submit November 2010 Monthly Operations Report, Maintenance Log and supplementary documents.
- Compile documents requested by NYSDEC

Operations and Maintenance Activities

This Reporting Period

- Daily, weekly and monthly O&M tasks on plant systems were performed.
- Comprehensive site safety inspections continue.
- Interior and exterior plant housekeeping continues.
- Acceptable water levels were maintained in the injection wells and galleries.
- The process pH electrodes were cleaned, calibrated and adjusted as needed.
- The process pumps were rotated twice during this period as part of the preventive maintenance (PM) task.
- The sludge tank was emptied using the M-8 diaphragm pump to load the press.
- The press load was dried and one drum of dry carbon cake was collected.
- The drain valves on the sludge tank were reoriented
- The fuses for the IW 1, 2, and 4 transducers were replaced in the MCP.
- The check valve for ASF P3 was rebuilt and returned to service.
- The hydraulic fluid was replaced in the snow plow pump. The plow was tested.

Upcoming

- Back wash CA vessels
- Work on the press operation with the M-8 pump
- Ongoing routine operations and maintenance tasks. (high priority)
- Dedicated sampling equipment for selected monitoring wells. (low)
- Electrical repair tasks which include the following:
    - Configure the GWTP router and PLC to allow for remote access and control.
    - Connect the third treated water discharge pump to the power supply and to the GWTP control system. (high)
    - Investigate control system grounding sensitivity issues. (medium)
    - Evaluate the control panels on the polymer and potassium permanganate feed systems and determine any repairs that may be required to have all systems fully functional.
- Clean water storage tanks and flush process lines

Site Sampling and Analysis

This Reporting Period

- The plant discharge (PD) sampling task was completed on 11/10. The organic samples were shipped to DESA Lab.
- An ASR was submitted to USEPA for the December PD samples.

- The USEPA decided that a complete quarterly groundwater (GW) sampling event be held in February 2011.
- Weekly PD pH and temperature readings were recorded.

Upcoming

- Complete the December PD sampling tasks including documentation.
- Submit ASR for the January process water (PW) tasks and set schedule.

Database Development and Modeling

This Reporting Period

- No database development or modeling work was conducted this period.

Upcoming

- Finalize the groundwater modeling report.

Human Machine Interface (HMI) and Controls

This Reporting Period

- No new HMI activities this period

Upcoming

- Connection of the third injection pump to the system.

Transition of Facility to NYSDEC

This Reporting Period

- SAIC is starting to get some feedback as to the status of the plant O&M transfer. Documents have been requested

Upcoming

- Determine costs associated with equipment priority list.
- Submit documentation as requested by NYSDEC.
- Contact NYSDEC regarding their plans for staffing the plant O&M program.

Budget/ Finance Status

- Extended budget was finalized and the WVN submitted and approved.

Miscellaneous Issues or Problems Encountered

- No new issues to note

Upcoming

- Continue with getting plant to baseline for operation transfer to NYSDEC.

General Activities Schedule

Various activities involving predictive, preventive, and other types of work are in various states of planning and execution. These activities are summarized in Table 1, attached.

APPENDIX B

Daily Quality Control Reports (DQCRs)

CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

VISITOR/SUBCONTRACTOR LOG

Month & Year: NOV 2010

DATE	NAME	SIGNATURE	COMPANY	IN	OUT
11/2/10	JOE WILLICH	Joe Willich	SAIC	1645	1850
10/3/11	MIKE FLAHERTY		NR DPW	1015	1040
11/3/10	MARCIANO CIPRIANO	M Cip	NC Dept. PW	1215	1430

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Monday
Date: 11-01-10

Weather Forecast: Partly sunny and cold. Temps to range from 36-48-36^{O}F. Wind at 6-12-9 mph from NNE-NNW. RH at 55-45% with no rain expected.

Total Volume Processed for Day: 554,653 gallons

Plant Operating Hours: 24:00 hrs. **Total Downtime**: 00:00 hrs.

Reason for Downtime:
No downtime to report.

Significant Operational Problems:
Drain valve on sludge tank is clogged

Corrective Maintenance Performed:
Transferred sludge tank to filter press by M-8 pump over the tank top

Verbal/Written Instruction from Government Personnel:
No new instructions received

Inspections Performed and Results:
Site safety inspection was completed

Record of any tests performed, samples taken, and personnel involved:
Plant pH and temperature readings were recorded
Plant air monitoring was completed. No emissions

Available Analytical Results:
No new data was available.

Calibration Procedures Performed:
Process pH meters were calibrated
Lab ph meter was calibrated and logged in
PID meter was calibrated and logged in

General Remarks:
The plant continues to operate without and significant issues. Influent and effluent flows are high and steady. Injection well levels are steady.

End of the month documentation continues

Plant Manager Signature: Peter Takach, November 2, 2010

Attachments:

Daily Operating Log
Daily Activities Summary Report
Daily site Safety Inspection
Air Monitoring Log
Employee Sign-in Sheet

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: J. Jackson Day: MONDAY Date: 11-01-10 Time: 0503

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
185	185	370

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
392	0	25120

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am)				Motor Amp Load	System Operating Hours
		T-1	T-2	T-3	T-4		
EW-1	330869	169830	164220	164310	167890		63860
EW-2	270363	185790	179810	179820	164040		57636
EW-3	247358	193790	187330	187490	191860		62001

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	163.0	96	4458280	COOL MORNING, TEMP @ 39°
IW-2	117.6	95	4109703	PLANT RAN FINE, OVER NIGHT
IW-3	163.4	113	4333241	
IW-4	154.5	81	3714095	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	74952	NM	1	7	
INF 2	73739		1	6	
INF 3	25782		SB	SB	STAND-BY
ASF 1	41989		2	32	
ASF 2	49715		2	31	
ASF 3	42925		SB	SB	STAND-BY
GAC 1	45291		4	15	
GAC 2	46785		2	15	
GAC 3	33826		SB	SB	STAND-BY
REC 1	21936		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65892		6	27	
INJ 2	39651		7	27	
INJ 3	-		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER		V			

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	11	11
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.9	
Air Temp (°F)	56°	56°
Water Temp (°F)		15°C
V-GAC #1 (H_2O")	2.65	0.00
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.32	6.04 / 15°C
Reactor Tank 2	5.34	6.05 / 15°C
AS. Feed	6.34	6.29 / 14°C
PLANT DISCHARGE - pH		6.90
PLANT DISCHARGE - Temp.		17°C

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13 3/4"	
Treat. Train 2	13 1/2"	

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby

NIS = Not in service

Supervisors Signature: [signature] Date 11-2-10

DAILY ACTIVITIES SUMMARY REPORT
CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J JACKSON DATE: 11-01-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • PLANT RAN FINE OVER THE	WEEKEND.
2)	
3) • THE WEEKLY PH & TEMP	S WERE COMPLETED
4)	
5) • PID WAS CALIBRATED	, AIR MONITORING WAS
6) DONE.	
7)	
8) • THE DAILY OPERATORS	LOG WAS COMPLETED
9)	
10) • SLUDGE TANK IS BEING PU	MPED FROM THE TOP
11) TO FILTER PRESS	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • 0900 = LEAVING AFTER W	ORKING ½ DAY, WILL
2) BE GOING TO FIRST AID T	RAINING FROM 6:00 PM-
3) 10:30 PM TONIGHT.	
4)	
5) • UPPER & LOWER LEVEL WAS	PORTIONALLY HOSED DOWN
6) TO SLUDGE WATER ON FLOOR.	
7)	
8) • JOE WILSON	
9)	
10) AIR MONITORING	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

[signature] 11-2-10

DAILY SITE SAFETY INSPECTION
CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11-01-10

Check all areas, process systems, and equipment for general unsafe conditions. This is to include but is not limited to the observation of leaks, noise, abnormal function.

	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
Chemical Feed Skids				
POLYMER				NOT
CAUSTIC				
POTASSIUM PERMANGANATE				IN
HYDROCHLORIC ACID				SERVICE

	Valves	Tanks	COMMENTS (include areas of leaks)
Process Tanks			
EQUALIZATION	✓	✓	OK
TREATED WATER	✓	✓	OK
REACTORS	✓	✓	OK
CLARIFIERS	✓	✓	OK
SAND FILTERS	✓	✓	OK
CARBON VESSELS (liq)	✓	✓	OK

	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
Process Systems				
INFLUENT	✓	✓		OK
SLUDGE SETTLER	✓	✓	✓	OK
RECYCLE	✓	✓	✓	OK
AIR STRIPPER FEED	✓	✓	✓	OK
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

	General Conditions and Comments
Floor and General Work Areas	
SLIP, TRIP, & FALL HAZARDS	SMALL AMOUNT OF WATER ON FLOOR
SHARP EDGES	NONE
PINCH POINTS	"
OTHER HAZARDS	"

	General Conditions and Comments
Air Compressor	
TANK	
AFTER COOLER	OFF LINE
AIR DRIER	
MOTOR & COMPRESSOR	

	General Conditions and Comments
Air Stripper	
COLUMN	OK
BLOWER & BELTS	OK
CARBON VESSELS	OK

Notes and Comments:

SIGNED: [signature]

DATE: 11-2-10

AIR MONITORING LOG
CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler J. JACKSON Date 11-01-10

Calibration Standard(s) 100.0 PPM \ ISOBUTYLENE

Post-cal Readings 56.6 PPM \ 100.0 PPM

Location		Reading (ppm)
CONTROL ROOM		
	Laboratory	0.0
	Bathroom	0.0
	Office	0.0
PLANT		
	Influent Area	0.0
	Sludge Storage Area	0.0
	Sand Filter Area	0.0
	Air Compressor Area	0.0
	Sludge Press Area	0.0
EXTERIOR		
	Storage Tanks	0.0
	Upper (South West) Lot	0.0
	Lower (South East) Lot	0.0
	Air Stripper Area	0.0
	Back (North)	0.0
GAC VESSELS		
	#1 Influent	0.0
	#1 Effluent	0.0
	#2 Influent	OL
	#2 Effluent	OL

Comments: PID WAS CALIBRATED - AIR MONITORING DONE.

PCT

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: 11/01/10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	730	OPS	1550	
JAMES S. JACKSON	J. Jackson	0500	OPS	0900	Home/First AID Training
RICHARD C. CRONCE	RCC				

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Tuesday
Date: 11-02-10

Weather Forecast (am): Partly sunny and cold. Temperatures are to range from 38-51-37^{O}F. Wind will be 7-9 mph from the NNW. Relative humidity is 35-50% with no precipitation expected.

Total Volume Processed for Day: 560,389 gallons

Plant Operating Hours: 24:00 hrs. **Total Downtime**: 00:00 hrs.

Reason for Downtime:
No downtime required

Significant Operational Problems:
Power outage knocked out ASF pump #2. Pump was manually reset and all systems back to normal levels.

Corrective Maintenance Performed:
Dried and cleaned filter press
Emptied sludge storage to press (2nd load)
Miscellaneous housekeeping

Verbal/Written Instruction from Government Personnel:
No new instructions received

Inspections Performed and Results:
Conducted site safety inspection, no new issues observed.
Inspected well field

Record of any tests performed, samples taken, and personnel involved:
No tests performed or samples taken

Available Analytical Results:
No new data available.

Calibration Procedures Performed:
No calibrations required

General Remarks:
An early morning (3:00 am) power interruption put ASF pump 2 in a failure mode. JSJ responded and manually restarted pump and returned plant to normal operating levels.

Plant continues to run in a steady fashion. Plant flows were 372 gpm in and 389 gpm out.
Dick Cronce and Joe Willich were up for a site visit, a plant tour and explanation of the WT process ensued as well as an inspection of the well field.

End of month documentation work continues

Peter Takach (PET) and James Jackson (JSJ) were on site.

Plant Manager Signature: Peter Takach, November 3, 2010

Attachments:

Daily Operating Log
Daily Activities Summary Report
Daily Site Safety Inspection Log
Sign In Sheet

cc: SAIC Program Manager
USACE Project Manager
File

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: J JACKSON Day: TUESDAY Date: 11/02/10 Time: 0402

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
186	186	372

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
378	0	25175

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am)				Motor Amp Load	System Operating Hours
		T-1	T-2	T-3	T-4		
EW-1	531012	164230					63875
EW-2	270529	179290					57661
EW-3	247513	187270					62016

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	14.8	93	4471604	CALL OUT @ 0315 - AIR STRIPPER
IW-2	15.6	92	412285	FEED TANKS HIGH, HIGH LEVEL
IW-3	163.9	108	434 6893	
IW-4	16.1	80	3785413	#2 PUMP TRIPPED OUT - RESET

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	74974	NM	2	7	
INF 2	73761		3	6	
INF 3	26782		SB	SB	STAND-BY
ASF 1	42012		2	33	
ASF 2	49737		1	31	
ASF 3	42925		SB	SB	STAND-BY
GAC 1	45314		4	15	
GAC 2	48808		3	15	
GAC 3	33826		SB	SB	STAND-BY
REC 1	21938		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65915		6	26	
INJ 2	39873		7	25	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER					

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	10	11
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	47	
Air Temp (°F)	51.0	56.0
Water Temp (°F)		11.0°C
V-GAC #1 (H_2O")	2.65	0.00
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.33	
Reactor Tank 2	5.34	
AS. Feed	6.40	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13 3/4"	
Treat. Train 2	13 1/2"	

Additional comments:
- FILTER PRESS WAS EMPTIED ONE FULL 55gal DRUM.

NM = Not Measured
OL = Off Line
SB = Stand by
NIS = Not in service

Supervisors Signature: Date 11-3-10

DAILY ACTIVITIES SUMMARY REPORT
CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J JACKSON DATE: 11-02-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • RECEIVED CALL, EARLY THIS MORNING, AIR STRIPPER	
2) FEED TANK LEVEL HIGH.	
3)	
4) • THIS MORNING TEMP IS VERY COOL, TEMP @ 39°F	
5)	
6) • OVER NIGHT THERE WAS A POWER CUTCH W/ HIGH EFFECT	
7) ON THE INJECTION SENDRS & AIR STRIPPER PUMP	
8) #2 - RESET PUMP - BROUGHT TANK LEVELS DOWN	
9)	
10) • THE DAILY OPERATORS LOG WAS DONE.	
11)	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • PETER OPEN & CLEANED	FILTER PRESS
2)	
3) • PLANT HOUSE KEEPING DONE, UPPER LEVEL MOPPED	
4)	
5) • DICK & JOE WALKUSH ON SITE.	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter Abel 11-3-10

DAILY SITE SAFETY INSPECTION
CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11-02-10

Check all areas, process systems, and equipment for general unsafe conditions. This is to include but is not limited to the observation of leaks, noise, abnormal function.

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
POLYMER				NOT
CAUSTIC				
POTASSIUM PERMANGANATE				IN
HYDROCHLORIC ACID				SERVICE

Process Tanks		Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION		✓	✓	OK
TREATED WATER		✓	✓	OK
REACTORS		✓	✓	OK
CLARIFIERS		✓	✓	OK
SAND FILTERS		✓	✓	OK
CARBON VESSELS (liq)		✓	✓	OK

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		OK
SLUDGE SETTLER	✓	✓	✓	OK
RECYCLE	✓	✓	✓	OK
AIR STRIPPER FEED	✓	✓	✓	PUMP #2 TRIPPED OUT
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK - SENSOR OUT

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	LITTLE WATER ON FLOOR
SHARP EDGES	NONE
PINCH POINTS	"
OTHER HAZARDS	"

Air Compressor	General Conditions and Comments
TANK	
AFTER COOLER	COMPRESSOR
AIR DRIER	ON
MOTOR & COMPRESSOR	LINE TODAY

Air Stripper	General Conditions and Comments
COLUMN	OK
BLOWER & BELTS	OK
CARBON VESSELS	OK

Notes and Comments:

SIGNED: Patti Akal DATE: 11-3-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

TUE
DATE: 11/02/10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	720	OPS	1845	
JAMES S. JACKSON	Jackson	0403	OPS | CALL-OUT	1705	HOME
RICHARD C. CRONCE	Richard Cronce	0510	Site Visit	1845	

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Wednesday
Date: 11-03-10

Weather Forecast (am): Partly sunny and cold. Temperatures are to range from 35-53-43°F. Wind at 0-7-5 mph from the SSW-south. Relative humidity is 50-55%. No precipitation expected.

Total Volume Discharged for Day: 559,611 gallons

Plant Operating Hours: 24:00 hrs. **Total Downtime**: 0:00 hrs.

Reason for Downtime:
No downtime to report

Significant Operational Problems:
None

Corrective Maintenance Performed:
Brushed clarifier plates
Maintenance tasks at well EW-3B

Verbal/Written Instruction from Government Personnel:
No new instructions.

Inspections Performed and Results:
Conducted site safety inspection, there were no new safety or equipment issues.

Record of any tests performed, samples taken, and personnel involved:
No tests performed or samples taken

Available Analytical Results:
No new results were available.

Calibration Procedures Performed:
No calibrations required

General Remarks:
The plant has been running in a very stable mode with steady influent and effluent flows. Plant effluent averaged 390 gpm.

Routine plant O&M continues along with end of the month documentation.

Mike Flaherty of NC DPW was in to get gate key and an update of plant activities.

Marciano Cipriano of NC DPW was in for survey of discharges

James Jackson (JSJ) and Peter Takach (PET) were on site today.

Plant Manager Signature: Peter Takach, November 4, 2010

Attachments:

Daily Operating Log
Daily Activities Summary Report
Daily Site Safety Inspection Log
Sign In Sheet

cc: SAIC Program Manager
USACE Project Manager
File

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: J. JACKSON Day: WEDNESDAY Date: 11/03/10 Time: 0545

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
187	186	373

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
386	0	25235

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am)				Motor Amp Load	System Operating Hours
		T-1	T-2	T-3	T-4		
EW-1	331191	158770					63893
EW-2	270724	173610					57669
EW-3	247718	181290					62034

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	163.0	93	4486186	PLANT RAN FINE OVERNIGHT
IW-2	118.4	93	4137229	COLD MORNING TEMPS 43°C
IW-3	163.5	111	4366011	
IW-4	155.1	60	3737815	PARTLY CLOUDY

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	74999	NM	1	8	
INF 2	73757		2	9	
INF 3	25782		SB	SB	STAND-BY
ASF 1	42038		1	32	
ASF 2	49762		1	30	
ASF 3	42925		SB	SB	STAND-BY
GAC 1	45340		3	16	
GAC 2	48833		2	15	
GAC 3	33826		SB	SB	STAND-BY
REC 1	21938		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65941		6	27	
INJ 2	39899		9	27	
INJ 3	-		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER		↓			

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	10	11
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.8	
Air Temp (°F)	55°	55°
Water Temp (°F)		15°C
V-GAC #1 (H_2O")	2.65	0.00
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.32	
Reactor Tank 2	5.34	
AS. Feed	6.37	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1		
Treat. Train 2		

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby
NIS = Not in service

Supervisors Signature: Patrick Date 11-4-10

DAILY ACTIVITIES SUMMARY REPORT
CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J JACKSON DATE: 11/03/10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • ANOTHER COLD MORNING	TEMP @ 43°F
2)	
3) • THE PLANT RAN WELL LAST NIGHT	
4)	
5) • the daily operators log was completed	
6)	
7) • PLANT CLARIFIERS WERE BRUSHED DOWN.	
8)	
9) • NEW LOCK PLACED ON EW 3-B WELL	
10)	
11) • MIKE FROM THE COUNTY WAS ON SITE	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	
2)	
3)	
4)	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter Hall 10-4-11

DAILY SITE SAFETY INSPECTION
CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11/03/10

Check all areas, process systems, and equipment for general unsafe conditions.
This is to include but is not limited to the observation of leaks, noise, abnormal function.

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
POLYMER				NOT
CAUSTIC				IN
POTASSIUM PERMANGANATE				
HYDROCHLORIC ACID				SERVICE

Process Tanks		Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION		✓	✓	OK
TREATED WATER		✓	✓	OK
REACTORS		✓	✓	OK
CLARIFIERS		✓	✓	WEEE BRUSHED DOWN
SAND FILTERS		✓	✓	OK
CARBON VESSELS (liq)		✓	✓	OK

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		OK
SLUDGE SETTLER	✓	✓	✓	EMPTY
RECYCLE	✓	✓	✓	OK
AIR STRIPPER FEED	✓	✓	✓	OK
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	LITTLE OR NO WATER ON FLOOR
SHARP EDGES	NONE
PINCH POINTS	"
OTHER HAZARDS	"

Air Compressor	General Conditions and Comments
TANK	OUT
AFTER COOLER	OF
AIR DRIER	
MOTOR & COMPRESSOR	SERVICE

Air Stripper	General Conditions and Comments
COLUMN	OK
BLOWER & BELTS	OK
CARBON VESSELS	OK

Notes and Comments:

SIGNED: _____ **DATE:** _____

11-4-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: WED 11/03/10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	0655	OPS	1535	
JAMES S. JACKSON	JJackson	0535	OPS	1355	HOME
RICHARD C. CRONCE		Ret			

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Thursday
Date: 11-04-10

Weather Forecast (am): Raining and cool. Temperatures are to range from 46-52-48^{O}F. Wind will be 11-17-7 mph from the ESE-NNE. Relative humidity is 95-100%. Rain is expected all day and heavy at times.

Total Volume Discharged for Day: 569,604 gallons

Plant Operating Hours: 24:00 hrs. **Total Downtime**: 0:00 hrs.

Reason for Downtime:
No downtime to report

Significant Operational Problems:
None

Corrective Maintenance Performed:
Removed sludge tank drain valve, repaired and re-installed
Replaced MCP fuses for IW transducers1, 2, and 4

Verbal/Written Instruction from Government Personnel:
No new instructions received

Inspections Performed and Results:
Conducted site safety inspection, there were no new safety or equipment issues.

Record of any tests performed, samples taken, and personnel involved:
No tests were performed or samples taken

Available Analytical Results:
No new results available.

Calibration Procedures Performed:
No calibrations required

General Remarks:
The plant has been stable and the flows were steady at ~372 gpm in and ~392 gpm out. Average plant discharge flow for the day was 395 gpm

Routine O&M tasks continue

James Jackson (JSJ) and Peter Takach were on site.

Plant Manager Signature: Peter Takach, November 5, 2010

Attachments:

Daily Operating Log
Daily Activities Summary report
Daily Site Safety Inspection Log
Sign In Sheet

cc: SAIC Program Manager
USACE Project Manager
File

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: J. JACKSON Day: Thursday Date: 11/04/10 Time: 0630

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
156	186	342

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
390	0	25290

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am)				Motor Amp Load	System Operating Hours
		T-1	T-2	T-3	T-4		
EW-1	531352	168720					63908
EW-2	270900	188740					57689
EW-3	247962	192130					62049

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	163.0	96	4499494	RAINY MORNING
IW-2	119.3	95	4150341	
IW-3	163.5	112	4381635	
IW-4	155.8	80	3749025	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	75022	NM	1	6	
INF 2	73810		2	6	
INF 3	28782		SB	SB	STAND-BY
ASF 1	42060		2	33	
ASF 2	49785		2	31	
ASF 3	42925		SB	SB	STAND-BY
GAC 1	45362		4	16	
GAC 2	48856		2	15	
GAC 3	33826		SB	SB	STAND-BY
REC 1	21938		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65963		7	27	
INJ 2	39922		8	27	
INJ 3	—		OL	OL	OL LINE
SUMP					
BLOWER		V			

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	10	11
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.8	
Air Temp (°F)	55°	55°
Water Temp (°F)		13°C
V-GAC #1 (H_2O")	7.65	0.00
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	532	
Reactor Tank 2	528	
AS. Feed	6.35	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13 3/4"	
Treat. Train 2	13 1/2"	

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby
NIS = Not in service

Supervisors Signature: P. Wheal Date 11-5-10

DAILY ACTIVITIES SUMMARY REPORT
CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J JACKSON DATE: 11/04/10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • THE MORNING RAIN, IS STEADY AT TIMES	
2)	
3) • ANOTHER COOL MORNING, TEMP AT 46°F, FEELS LIKE	
4) 41°F	
5)	
6) • THE DAILY OPERATORS LOG W/AS COMPLETED	
7)	
8) • DELTEK TIME CHARGEING W/AS DONE	
9)	
10)	
11)	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	
2)	
3)	
4)	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Patrick Clark 11-5-10

DAILY SITE SAFETY INSPECTION
CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11-04-10

Check all areas, process systems, and equipment for general unsafe conditions.
This is to include but is not limited to the observation of leaks, noise, abnormal function.

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
POLYMER				NOT
CAUSTIC				
POTASSIUM PERMANGANATE				IN
HYDROCHLORIC ACID				SERVICE

Process Tanks		Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION		✓	✓	OK
TREATED WATER		✓	✓	OK
REACTORS		✓	✓	OK
CLARIFIERS		✓	✓	OK
SAND FILTERS		✓	✓	OK
CARBON VESSELS (liq)		✓	✓	OK

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		OK
SLUDGE SETTLER	✓	✓	✓	OK
RECYCLE	✓	✓	✓	OK
AIR STRIPPER FEED	✓	✓	✓	OK
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	NONE
SHARP EDGES	"
PINCH POINTS	"
OTHER HAZARDS	"

Air Compressor	General Conditions and Comments
TANK	
AFTER COOLER	OFF
AIR DRIER	LINE
MOTOR & COMPRESSOR	

Air Stripper	General Conditions and Comments
COLUMN	OK
BLOWER & BELTS	OK
CARBON VESSELS	OK

Notes and Comments:

SIGNED: _____ DATE: 11-5-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: 10/04/10 (thru 8)

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	730	OPS	1540	
JAMES S. JACKSON	J.S. Jackson	0530	OPS	1352	Home
RICHARD C. CRONCE	RCC				

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Friday
Date: 11-05-10

Weather Forecast (am):
Fri: Raining and cool. Temps are to range from 46-56-40°F. Winds are from the West-WSW at 8-12-8 mph. Relative humidity at 80-70%, clearing.
Sat: – Partly sunny, temps at 41-52-35°F, wind at 8-12 from NNW, RH at 65%, no rain expected.
Sun: – Partly sunny, temps at 36-50-38°F, wind at 14-5 from WNW, RH at 60%, no rain expected.

Total Volume Processed for 3-day period (11/5 thru 11/8): 1,711,981 gallons

Operating Hours: 72:00 hrs **Total Downtime**: 00:00 hrs.

Reason for Downtime:
No downtime required

Significant Operational Problems:
None

Corrective Maintenance Performed:
Repositioned sludge tank pump feed valve
Miscellaneous housekeeping and plant clean up
Replaced bulbs where needed in Exit signs

Verbal/Written Instruction from Government Personnel:
No new instructions received

Inspections Performed and Results:
Site safety inspection was completed with no new issues found.

Record of any tests performed, samples taken, and personnel involved:
No tests performed or samples taken

Available Analytical Results
No new data available

Calibration Procedures Performed:
No calibrations required

General Remarks:
Plant has been running steady and stable. Plant influent water is at 372 gpm, effluent water is at 391 gpm.
General clean up and O&M activities continue.

James Jackson (JSJ) and Peter Takach (PET) were on site.

Plant Manager Signature:  Peter Takach, November 8, 2010

Attachments:

Daily Operating Log
Daily Activities Summary Report
Daily Site Safety Inspection Log
Sign In Sheet

cc: SAIC Program Manager
USACE Project Manager
File

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: J Jackson Day: Friday Date: 11-05-10 Time: 0527

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
186	186	372

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
391	0	75345

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am) T-1	T-2	T-3	T-4	Motor Amp Load	System Operating Hours
EW-1	331515	161,440					63924
EW-2	271077	181,590					57701
EW-3	248089	189,630					62016

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	163.0	96	4812987	Rainy morning, light rain
IW-2	119.3	94	4163588	Temp 0
IW-3	163.6	112	4397438	
IW-4	155.6	81	3760335	Plant ran fine last night

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	75045	NM	2	7	
INF 2	73833	↓	3	8	
INF 3	28782		SB	SB	Stand-by
ASF 1	47083		3	33	
ASF 2	49808		2	31	
ASF 3	42925		SB	SB	Stand-by
GAC 1	45385		4	16	
GAC 2	48879		3	15	
GAC 3	33826		SB	SB	Stand-by
REC 1	21938		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65986		6	27	
INJ 2	39945		8	27	
INJ 3	—		NIS	NIS	Not in service
SUMP					
BLOWER		↓			

	INLET	OUTLET
GAC #1 (PSI)	9	8
GAC #2 (PSI)	16	11
AIR DRIER (PSI)	0	0
AS Blower (H_2O")	4.6	
Air Temp (°F)	55°	55°
Water Temp (°F)		14°c
V-GAC #1 (H_2O")	2.60	0.10
V-GAC #2 (H_2O")	0	0

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.31	
Reactor Tank 2	5.30	
AS. Feed	6.36	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13½"	
Treat. Train 2	13½"	

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby
NIS = Not in service

Supervisors Signature: [signature] Date 11-8-10

Doc. No.: CPS-Form- 008

Jan. 21, 2010
Rev.:J

DAILY ACTIVITIES SUMMARY REPORT
CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J. JACKSON

DATE: 11-05-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • 2ND DAY OF RAIN - MAY RAIN ALLDAY AGAIN	
2)	
3) • THE DAILY OPERATOR LOG WAS COMPLETED	
4)	
5) • WORKED ON MUST DO LIST - BEFORE TAKE OVER	
6)	
7) • DALE Phillips 7W PL-S Light bulb REPLACED AT	
8) EXIT SIGN IN CONTROL RM.	
9)	
10)	
11)	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	
2)	
3)	
4)	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter Jackson 11-8-10

DAILY SITE SAFETY INSPECTION
CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11-05-10

Check all areas, process systems, and equipment for general unsafe conditions. This is to include but is not limited to the observation of leaks, noise, abnormal function.

	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
Chemical Feed Skids				
POLYMER				NOT IN SERVICE
CAUSTIC				
POTASSIUM PERMANGANATE				
HYDROCHLORIC ACID				

		Valves	Tanks	COMMENTS (Include areas of leaks)
Process Tanks				
EQUALIZATION		✓	✓	OK
TREATED WATER		✓	✓	OK
REACTORS		✓	✓	OK
CLARIFIERS		✓	✓	OK
SAND FILTERS		✓	✓	OK
CARBON VESSELS (liq)		✓	✓	OK

	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
Process Systems				
INFLUENT	✓	✓		OK
SLUDGE SETTLER	✓	✓	✓	OK
RECYCLE	✓	✓	✓	OK
AIR STRIPPER FEED	✓	✓	✓	OK
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

	General Conditions and Comments
Floor and General Work Areas	
SLIP, TRIP, & FALL HAZARDS	NONE
SHARP EDGES	"
PINCH POINTS	"
OTHER HAZARDS	"

	General Conditions and Comments
Air Compressor	
TANK	
AFTER COOLER	OFF LINE
AIR DRIER	
MOTOR & COMPRESSOR	

	General Conditions and Comments
Air Stripper	
COLUMN	OK
BLOWER & BELTS	OK
CARBON VESSELS	OK

Notes and Comments:

SIGNED: [signature]

DATE: 11-8-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: 11/06/10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	720	OPS	1540	
JAMES S. JACKSON	J. Jackson	0513	OPS	1333	Home
RICHARD C. CRONCE					

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Monday
Date: 11-08-10

Weather Forecast: Cloudy, cold, rain. Wind at 19-26-23 from WNW-NW. RH at 60-70%, scattered rain and snow flurries throughout day.

Total Volume Processed for Day: 569,604 gallons

Plant Operating Hours: 24:00 hrs. **Total Downtime**: 00:00 hrs.

Reason for Downtime:
No downtime to report.

Significant Operational Problems:
None

Corrective Maintenance Performed:
Cleaned and rebuilt check valve parts
Replaced trim on shed door

Verbal/Written Instruction from Government Personnel:
No new instructions received

Inspections Performed and Results:
Daily site safety inspection completed

Record of any tests performed, samples taken, and personnel involved:
Plant discharge pH and temp readings
Plant air monitoring completed
Injection well depth soundings and depth to water measurements recorded

Available Analytical Results:
No new data was available.

Calibration Procedures Performed:
Calibrated lab pH meter
Calibrated process pH meters
Calibrated PID meter

General Remarks:
Plant continues to run with out any significant problems. O&M tasks completed as required.

James Jackson (JSJ) and Peter Takach (PET) were on site.

Plant Manager Signature: Peter Takach, November 9, 2010

Attachments:

Daily Operating Log
Daily Activities Summary Report
Daily Site Safety Inspection
Air Monitoring Log
Employee Sign-In Sheet

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: J. JACKSON Day: MONDAY Date: 11-08-10 Time: 0512

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
186	186	372

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
391	0	25517

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am) T-1	T-2	T-3	T-4	Motor Amp Load	System Operating Hours
EW-1	552013	167180	166670	164330	166490		63973
EW-2	271621	182860	182300	179100	181590		57749
EW-3	248661	191150	190490	187530	189630		62114

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	1630	96	4554885	COOL, WINDY & CLEAR SKIES
IW-2	1185	96	4204685	PLANT RAN FINE OVER THE WEEK
IW-3	1636	112	4446465	
IW-4	155.7	81	3795434	END.

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	75116	NM	1	7	
INF 2	73904		2	8	
INF 3	28782		SB	SB	STAND-BY
ASF 1	42155		1	32	
ASF 2	49879		2	31	
ASF 3	42925		SB	SB	STAND-BY
GAC 1	45457		4	16	
GAC 2	48951		4	15	
GAC 3	33826		SB	SB	STAND-BY
REC 1	21938		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	660568		7	27	
INJ 2	40016		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER					

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	10	11
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.7	
Air Temp (°F)	540	54°
Water Temp (°F)		15°C
V-GAC #1 (H_2O")	2.65	0.00
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	535	6.08/15°C
Reactor Tank 2	4.84	6.09/15°C
AS. Feed	6.36	6.39/15°C
PLANT DISCHARGE - pH		6.39
PLANT DISCHARGE - Temp.		18°C

SAND FILTER DEPTH TO WATER (INCHES)	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13 3/4"	
Treat. Train 2	13"	

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby

NIS = Not in service

Supervisors Signature: Peter Kreil Date 11-9-10

DAILY ACTIVITIES SUMMARY REPORT
CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J JACKSON DATE: 11-08-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• THIS MORNING IS COOL, RAINY & CLOUDY TEMP	
2)	IN 40°F - FEELS LIKE LOW 30'S - SOME SNOW FLURRIES	
3)		
4)	• THE PLANT RAN WELL OVER WEEK END	
5)		
6)	• THE WEEKLY TEMP & DH's WERE COMPLETED	
7)		
8)	• PID WAS CALIBRATED - AIR MONITORING OF INSIDE &	
9)	OUTSIDE PLANT WAS DONE.	
10)		
11)	• THE MONTHLY SOUNDING WAS DONE	

	LISTING OF MAINTENANCE ACTIVITIES			EQUIPMENT/MATERIALS USED
1)	① IW-1	9.68	144.46 •	
2)	② IW-2	11.55	241.60	
3)	③ IW-3	5.30	249.00	
4)	④ IW-4	10.88	198.00	
5)				
6)	• WOODEN TRIM FOR SHED			WAS PRIMED & PAINTED
7)				
8)				
9)				
10)				
11)				

	IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)	

Pat Mitchell 10-9-10

DAILY SITE SAFETY INSPECTION
CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11/08/10

Check all areas, process systems, and equipment for general unsafe conditions. This is to include but is not limited to the observation of leaks, noise, abnormal function.

	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
Chemical Feed Skids				
POLYMER				NOT
CAUSTIC				IN
POTASSIUM PERMANGANATE				
HYDROCHLORIC ACID				SERVICE

	Valves	Tanks	COMMENTS (Include areas of leaks)
Process Tanks			
EQUALIZATION	✓	✓	OK
TREATED WATER	✓	✓	OK
REACTORS	✓	✓	OK
CLARIFIERS	✓	✓	OK
SAND FILTERS	✓	✓	OK
CARBON VESSELS (liq)	✓		OK

	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
Process Systems				
INFLUENT	✓	✓		
SLUDGE SETTLER	✓	✓	✓	
RECYCLE	✓	✓	✓	
AIR STRIPPER FEED	✓	✓	✓	
CARBON FEED	✓	✓	✓	
INJECTION	✓	✓		CHECK VALVES NEED WORK

	General Conditions and Comments
Floor and General Work Areas	
SLIP, TRIP, & FALL HAZARDS	NONE
SHARP EDGES	"
PINCH POINTS	"
OTHER HAZARDS	"

	General Conditions and Comments
Air Compressor	
TANK	
AFTER COOLER	OFF
AIR DRIER	LINE
MOTOR & COMPRESSOR	

	General Conditions and Comments
Air Stripper	
COLUMN	OK
BLOWER & BELTS	OK
CARBON VESSELS	OK

Notes and Comments:

SIGNED: _____ **DATE:** _____

11-9-10

AIR MONITORING LOG
CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler J JACKSON Date 11-08-10

Calibration Standard(s) 100 PPM \ ISOLBUTLENE

Post-cal Readings 98.9 PPM \ 100 PPM

Location		Reading (ppm)
CONTROL ROOM		
	Laboratory	0.0
	Bathroom	0.0
	Office	0.0
PLANT		
	Influent Area	0.0
	Sludge Storage Area	0.0
	Sand Filter Area	0.0
	Air Compressor Area	0.0
	Sludge Press Area	0.0
EXTERIOR		
	Storage Tanks	0.0
	Upper (South West) Lot	0.0
	Lower (South East) Lot	0.0
	Air Stripper Area	0.0
	Back (North)	0.0
GAC VESSELS		
	#1 Influent	0.0
	#1 Effluent	0.0
	#2 Influent	0.0
	#2 Effluent	0.0

Comments: PID WAS CALIBRATED. AIR MONITORING OF INSIDE & OUT SIDE OF PLANT WAS DONE.

PET

March 3, 2008
Rev. B

Doc. No.: **CPS-Form-006**

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: 11/06/10 TYLON

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	720	OPS	1547	
JAMES S. JACKSON	J. Jackson	0503	OPS	1330	Home
RICHARD C. CRONCE			PCL		

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Tuesday
Date: 11-09-10

Weather Forecast (am): Mostly sunny and mild. Temperatures are to range from 41-53-43^{O}F. Wind will be 16-20-17 mph from the NNW. Relative humidity is 70-80% , no precipitation is expected.

Total Volume Processed for Day: 559,223 gallons

Plant Operating Hours: 24:00 hrs. **Total Downtime**: 00:00 hrs.

Reason for Downtime:
No downtime required

Significant Operational Problems:
Continue to have problems with influent pump 3. Overload relay block does not pull in.

Corrective Maintenance Performed:
Rotated pumps from 1&2 to 1&3
Reassembled and installed check valve for ASF pump 3

Verbal/Written Instruction from Government Personnel:
No new instructions received

Inspections Performed and Results:
Conducted site safety inspection, no new issues observed.

Record of any tests performed, samples taken, and personnel involved:
No samples were taken or tests performed

Available Analytical Results:
No new data available.

Calibration Procedures Performed:
No calibrations required

General Remarks:
Plant continues to run in a steady fashion. Plant flows were 370 gpm in and 390 gpm out.

Routine O&M tasks are ongoing.

Peter Takach (PET) and James Jackson (JSJ) were on site.

Plant Manager Signature: Peter Takach, November 10, 2010

Attachments:

Daily Operating Log
Daily Activities Summary Report
Daily Site Safety Inspection Log
Sign In Sheet

cc: SAIC Program Manager
USACE Project Manager
File

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: J. JACKSON Day: TUESDAY Date: 11/09/10 Time: 0507

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
186	186	372

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
391	0	25573

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am)				Motor Amp Load	System Operating Hours
		T-1	T-2	T-3	T-4		
EW-1	332177	163740					63989
EW-2	271800	179070					57766
EW-3	248849	187430					62130

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	163.0	96	4568606	PLANT RAN FINE LAST NIGHT
IW-2	121.3	94	4216158	• AIR STRIPPER CHECK VALVE
IW-3	163.7	112	4462523	
IW-4	156.3	79	3806829	WAS REBUILT

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	75140	NM	1	6	
INF 2	73927		2	9	
INF 3	28782		SB	SB	STAND-BY
ASF 1	42178		2	37	
ASF 2	49903		1	31	
ASF 3	42925		SB	SB	STAND-BY
GAC 1	45480		4	16	
GAC 2	48974		4	15	
GAC 3	33826		SB	SB	STAND-BY
REC 1	21936		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	66081		7	27	
INJ 2	40039		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER					

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	11	11
AIR DRIER (PSI)	0	OL

AS Blower (H_2O")	4.6	
Air Temp (°F)	54.0	54.0
Water Temp (°F)		14 °C
V-GAC #1 (H_2O")	2.65	0.00
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.34	
Reactor Tank 2	4.87	
AS. Feed	6.37	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13 3/4"	
Treat. Train 2	13 1/2"	

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby
NIS = Not in service

Supervisors Signature: Date 11-10-10

DAILY ACTIVITIES SUMMARY REPORT
CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J.J ACKSON DATE: 11/09/10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• THE PLANT RAN WELL OVER NIGHT	
2)		
3)	• THE Daily OPERATOR LOG WAS COMPLETED	
4)		
5)	• MISSING TRIM FOR SHED WAS PRIMED, PAINTED	
6)	AND PUT ON SHED •	
7)		
8)	• CHECK VALVE AT AIR STRIPPER SECTION WAS REBUILTED	
9)	WITH USED PARTS	
10)		
11)	• CHECK VALVE SEEM TO BE OK LITTLE LEAKED AIR	

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	STRIPPER SECTION • - BACK ON LINE	
2)		
3)	• HANDLE AT AIR STRIPPER CHECK VALVE WAS PUT	
4)	ON - SHAFT HAD TO BE SANDED & LUBRICATED	
5)		
6)		
7)		
8)		
9)		
10)		
11)		

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

11-10-10

DAILY SITE SAFETY INSPECTION
CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11/09/10

Check all areas, process systems, and equipment for general unsafe conditions.
This is to include but is not limited to the observation of leaks, noise, abnormal function.

	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
Chemical Feed Skids				
POLYMER				NOT
CAUSTIC				
POTASSIUM PERMANGANATE				IN
HYDROCHLORIC ACID				SERVICE

	Valves	Tanks	COMMENTS (include areas of leaks)
Process Tanks			
EQUALIZATION	✓	✓	OK
TREATED WATER	✓	✓	OK
REACTORS	✓	✓	OK
CLARIFIERS	✓	✓	OK
SAND FILTERS	✓	✓	OK
CARBON VESSELS (liq)	✓	✓	OK

	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
Process Systems				
INFLUENT	–	✓		#3 ELECTRIAL PROBLEMS
SLUDGE SETTLER	✓	✓	✓	
RECYCLE	✓	✓	✓	
AIR STRIPPER FEED	✓	✓	✓	CHECK VALVE REBUILT
CARBON FEED	✓	✓	✓	
INJECTION	✓	✓		

	General Conditions and Comments
Floor and General Work Areas	
SLIP, TRIP, & FALL HAZARDS	NONE
SHARP EDGES	"
PINCH POINTS	"
OTHER HAZARDS	"

	General Conditions and Comments
Air Compressor	
TANK	
AFTER COOLER	OFF
AIR DRIER	LINE
MOTOR & COMPRESSOR	(UNTIL NEEDED)

	General Conditions and Comments
Air Stripper	
COLUMN	OK
BLOWER & BELTS	OK
CARBON VESSELS	OK

Notes and Comments:

SIGNED: [signature] 11-10-10 **DATE:** _____

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

(TUE)
DATE: 11/09/10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	720	OPS	1545	✓
JAMES S. JACKSON	J Jackson	0455	OPS	1323	HOME
RICHARD C. CRONCE	Post				

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Wednesday
Date: 11-10-10

Weather Forecast (am): Cloudy and cool. Temperatures are to range from 48-54-39^{o}F. Wind will be at 12-16-11 from the NNW - NNE. Relative humidity is 55065% with no precipitation expected.

Total Gallons Processed for the day: 564,900 gallons

Plant Operating Hours: 24:00 hrs. **Plant Total Downtime**: 00:00 hrs.

Reason for Downtime:
No downtime to report

Significant Operational Problems:
Influent Pump #3 remains out of service

Corrective Maintenance Performed:
Continued with PM on snow plow

Verbal/Written Instruction from Government Personnel:
No new instructions

Inspections Performed and Results:
Site safety inspection was conducted with nothing new to report.

Record of any tests performed, samples taken, and personnel involved:
Monthly Plant Discharge (PD) sampling was completed with organic samples sent to DESA .

Available Analytical Results:
No new data available.

Calibration Procedures Performed:
No calibrations required

General Remarks:

The plant has been running well at current flow levels. The average discharge from the plant was 391 gpm for the day.

The PD sampling task was completed with out any remarkable events

James Jackson (JSJ) was out, Peter Takach was on site.

Plant Manager Signature: Peter Takach, November 11, 2010

Attachments:

Daily Operating Log
Daily Activities summary report
Daily Site Safety Inspection Log
Sign In Sheet

cc: SAIC Program Manager
USACE Project Manager
File

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: J JACKSON Day: WEDNESDAY Date: 11/10/10 Time: 0521

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
185	186	371

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
389	0	261630

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am) T-1	T-2	T-3	T-4	Motor Amp Load	System Operating Hours
EW-1	332343	164830					64006
EW-2	271981	180240					57782
EW-3	249040	188810					62147

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	163.0	95	4582419	PLANT RAN FINE OVER NIGHT
IW-2	121.6	94	4231726	
IW-3	163.7	112	4478677	
IW-4	166.3	60	3815289	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	75163	NM	3	7	
INF 2	73951		3	8	
INF 3	28782		SB	SB	STAND-BY
ASF 1	42202		1	32	
ASF 2	45980	44909	SB	SB	STAND-BY
ASF 3	33843	42945	0	30	
GAC 1	45504		2	16	
GAC 2	48980		SB	SB	STAND-BY
GAC 3	33693		3	15	
REC 1	21936		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	66105		7	27	
INJ 2	40063		8	27	
INJ 3	-		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER		V			

	INLET	OUTLET
GAC #1 (PSI)	9	8
GAC #2 (PSI)	10	11
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.6	
Air Temp (°F)	54°	54°
Water Temp (°F)		14°C
V-GAC #1 (H_2O")	2.65	0.00
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.34	
Reactor Tank 2	4.78	
AS. Feed	6.39	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13 3/4	
Treat. Train 2	13 1/2 "	

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby

NIS = Not in service

Supervisors Signature: [signature] Date 11-11-10

DAILY ACTIVITIES SUMMARY REPORT
CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J JACKSON DATE: 11/10/10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• THE WEATHER IS SOME WHAT WARMER THIS MORNING	
2)	TEMP @ 50°F YOUR CURRENT CONDITION.	
3)		
4)	• THE DAILY OPERATORS LOG WAS COMPLETED	
5)		
6)	• THE MONTHLY SAMPLING OF DIS Chg IS TO BE	
7)	DONE TODAY.	
8)		
9)	• TRIP BLANK TAKEN @ 0730	
10)		
11)	• Dis Chg SAMPLES TAKEN @ 0830 & 0835	

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• COPPER LINE AT INDENT #3 SUCTION & DIS	
2)	Chg LINE WAS REMOVED & TEFLON PUT ON THREADS.	
3)		
4)	• PETE WENT TO R.W. TRUCK EQUIPMENT TO PICK	
5)	UP 2 QTS OF MEVERS M1 HYDRAULIC OIL	
6)		
7)	• NEARLY ONE QUART WAS PUT IN, A LITTLE LEFT	
8)	OVER - MAY USE MORE ONCE IN SERVICE.	
9)		
10)		
11)		

	IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)	

Pete Check 11-11-10

DAILY SITE SAFETY INSPECTION
CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11/10/10

Check all areas, process systems, and equipment for general unsafe conditions.
This is to include but is not limited to the observation of leaks, noise, abnormal function.

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
POLYMER				NOT
CAUSTIC				IN
POTASSIUM PERMANGANATE				SERVICE
HYDROCHLORIC ACID				

Process Tanks		Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION		✓	✓	OK
TREATED WATER		✓	✓	OK
REACTORS		✓	✓	OK
CLARIFIERS		✓	✓	OK
SAND FILTERS		✓	✓	OK
CARBON VESSELS (liq)		✓	✓	OK

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	—	✓		#3 MOTOR-ELECTRICAL ISSUES
SLUDGE SETTLER	✓	✓	✓	OK
RECYCLE	✓	✓	✓	OK
AIR STRIPPER FEED	✓	✓	✓	OK
CARBON FEED	✓	✓	✓	OK
INJECTION	✓			OK

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	NONE
SHARP EDGES	"
PINCH POINTS	"
OTHER HAZARDS	"

Air Compressor	General Conditions and Comments
TANK	
AFTER COOLER	OFF
AIR DRIER	LINE
MOTOR & COMPRESSOR	UNTIL NEEDED

Air Stripper	General Conditions and Comments
COLUMN	OK
BLOWER & BELTS	OK
CARBON VESSELS	OK

Notes and Comments:

SIGNED: _____ **DATE:** 11-11-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: WED 11/10/10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	720	OPS	1550	
JAMES S. JACKSON	J. Jackson	0510	OPS	1310	FED EX / HOME
RICHARD C. CRONCE			PET		

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Thursday
Date: 11-11-10

Weather Forecast (am): Sunny and cool. Temperatures are to range 43-51-38^{O}F. Wind is from the NNE at 14-17 mph. Relative humidity is 50-55% with no precipitation expected.

Total Gallons Processed for day: 555,789 gallons

Plant Operating Hours: 24:00 hrs. **Plant Total Downtime**: 00:00 hrs.

Reason for Downtime:
No downtime to report

Significant Operational Problems:
Influent pump #3 remains out of service

Corrective Maintenance Performed:
Installed and tested snow plow.

Verbal/Written Instruction from Government Personnel:
Received request for Q3 data on energy usage. It should be noted that there appears to be a 30% increase in electrical usage from last year. Equipment and process has not changed.

Inspections Performed and Results:
Site safety inspection was completed with no new issues to note.

Record of any tests performed, samples taken, and personnel involved:
No tests were performed or samples taken

Available Analytical Results:
No new data is available.

Calibration Procedures Performed:
No calibrations required

General Remarks:
Plant flows are stable. The treatment plant ran without problems through out the period. Plant influent flow averaged 372 gpm and effluent flow at 390 gpm.

Continue with general O&M activities with concerns for winterization of the plant.

Various training requirements have been completed.

James Jackson and Peter Takach were on site for O&M.

Plant Manager Signature: Peter Takach, November 12, 2010

Attachments:

Daily Operating Log
Daily Activities summary report
Daily Site Safety Inspection Log
Sign In Sheet

cc: SAIC Program Manager
USACE Project Manager
File

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: J. JACKSON Day: THURSDAY Date: 11-11-10 Time: 0513

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
186	187	373

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
391	0	25686

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am) T-1	T-2	T-3	T-4	Motor Amp Load	System Operating Hours
EW-1	332505	165160					64021
EW-2	272156	181340					57796
EW-3	249226	189830					62162

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	113.0	96	4586167	PLANT IS RUNNING WELL
IW-2	121.8	94	4245732	TEMP @ 43°F, CLEAR SKIES
IW-3	113.7	112	4494772	
IW-4	155.5	81	3629746	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	75187	NM	1	6	
INF 2	23974		2	6	
INF 3	28182		SB	SB	STAND-BY
ASF 1	42225		1	32	
ASF 2	49909		SB	SB	STAND-BY
ASF 3	42966		0	31	
GAC 1	45527		1	16	
GAC 2	48985		SB	SB	STAND-BY
GAC 3	33867		4	24	
REC 1	21938		OFF	OFF	
REC 2	20142		OFF	OFF	
INJ 1	66128				
INJ 2	40086				
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER		V			

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	12	11
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.8	
Air Temp (°F)	55°	55°
Water Temp (°F)		14°C
V-GAC #1 (H_2O")	2.65	0.00
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.34	
Reactor Tank 2	5.25	
AS. Feed	6.36	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13 3/4"	
Treat. Train 2	13 1/4"	

Additional comments:
SNOW PLOW PUT ON - CHECK
HYDRAULIC OIL LEVEL

NM = Not Measured
OL = Off Line
SB = Standby
NIS = Not in service

Supervisors Signature: [signature] Date 11-12-10

DAILY ACTIVITIES SUMMARY REPORT
CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J. JACKSON DATE: 11-10-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • THE DAILY OPERATORS LOG WAS COMPLETED	
2)	
3) • THE TRUCK SNOW PLOW WAS PUT ON TO CHECK	
4) THE LEVEL IN RESOVOIR (PLOW SYSTEM)	
5)	
6) • THE CODE OF CONDUCT WAS DONE	
7)	
8)	
9)	
10)	
11)	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	
2)	
3)	
4)	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

11-12-10

DAILY SITE SAFETY INSPECTION
CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11-11-10

Check all areas, process systems, and equipment for general unsafe conditions. This is to include but is not limited to the observation of leaks, noise, abnormal function.

	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
Chemical Feed Skids				
POLYMER				NOT
CAUSTIC				
POTASSIUM PERMANGANATE				IN
HYDROCHLORIC ACID				SERVICE

		Valves	Tanks	COMMENTS (include areas of leaks)
Process Tanks				
EQUALIZATION		✓	✓	OK
TREATED WATER		✓	✓	OK
REACTORS		✓	✓	OK
CLARIFIERS		✓	✓	OK
SAND FILTERS		✓	✓	OK
CARBON VESSELS (liq)		✓	✓	OK

	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
Process Systems				
INFLUENT	-	✓		ELECTRICAL ISSUES
SLUDGE SETTLER	✓	✓	✓	OK
RECYCLE	✓	✓	✓	OK
AIR STRIPPER FEED	✓	✓	✓	OK
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

	General Conditions and Comments
Floor and General Work Areas	
SLIP, TRIP, & FALL HAZARDS	NONE
SHARP EDGES	"
PINCH POINTS	"
OTHER HAZARDS	"

	General Conditions and Comments
Air Compressor	
TANK	
AFTER COOLER	OFF LINE
AIR DRIER	UNTIL NEEDED
MOTOR & COMPRESSOR	

	General Conditions and Comments
Air Stripper	
COLUMN	OK
BLOWER & BELTS	OK
CARBON VESSELS	OK

Notes and Comments:

INFLUENT PUMP #3 - HAS A ELECTRICAL ISSUE - INTERMITTEN Problem.

SIGNED: _____ 11-12-10 **DATE:** _____

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

Thru
DATE: 11-11-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	0930	GPS	1545	
JAMES S. JACKSON	J Jackson	0605	OPS	1326	Home
RICHARD C. CRONCE		PCT			

Doc. No.: CPS-Form-011
March 3, 2008
Rev.: C

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Friday
Date: 11-12-10

Weather Forecast
Fri.: Sunny and cold. Temperatures are to range from 42-57-41°F. Wind from NNE-north at 10-11-7 mph. Relative humidity is 40-50% with no precipitation expected.
Sat.: Sunny and cool. Temps: 42-60-45°F. Wind: 8-6 mph from NNE. RH 50-65%, no ppt.
Sun.: Sunny and cool. Temps: 46-56-48°F. Wind: 9-2 mph from ENE. RH 70-80%, no ppt.

Gallons Processed for the 3-day Period (11/12-11/15)**:** 1,694,900 Gallons

Plant Operating Hours: 72:00 hrs. **Total Downtime**: 00:00 hrs.

Reason for Downtime:
No downtime required

Significant Operational Problems:
Influent pump #3 will not start

Corrective Maintenance Performed:
General plant clean up including out door work
Continued with adjustments to check valves

Verbal/Written Instruction from Government Personnel:
No new instructions received

Inspections Performed and Results:
Daily site safety inspection performed – no new issues observed.
Comprehensive site safety inspections completed
Well field was inspected

Record of any tests performed, samples taken, and personnel involved:
Plant sound level monitoring was completed

Available Analytical Results:
No new data available

Calibration Procedures Performed:
Sound level meter was calibrated

General Remarks:
The plant operation has been very stable. Influent and effluent flows have been steady at ~372 gpm in and 390+ gpm out. Injection well levels are steady.

General plant O&M continues along with steps to prepare for winter weather

James Jackson (JSJ) and Peter Takach (PET) were on site.

Plant Manager Signature: Peter Takach, November 15, 2010

Attachments:

Daily Operating Log
Daily Site Safety Inspection Log
Daily Activities Summary Report
Sound Level Monitoring Worksheet
Sign In Sheet

cc: SAIC Program Manager
USACE Project Manager
File

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: J. JACKSON Day: FRIDAY Date: 11-12-10 Time: 0646

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
216	156	372

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
390	0	25743

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am) T-1	T-2	T-3	T-4	Motor Amp Load	System Operating Hours
EW-1	532669	163020					64038
EW-2	272338	178490					57814
EW-3	249416	186880					62179

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	163.1	94	4610080	PLANT RAN FINE LAST NIGHT.
IW-2	121.7	94	4258893	WE STILL HAVE A ELECTRIAL ISSUE
IW-3	163.7	112	4511045	
IW-4	156.0	80	3841371	AT INFLUENT PUMP STATION #3

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	75211	NM	0	7	
INF 2	73998		0	9	
INF 3	28782		SB	SB	STAND-BY
ASF 1	42249		2	33	
ASF 2	49909		SB	SB	STAND-BY
ASF 3	42990		0	31	
GAC 1	45551		2	16	
GAC 2	48980		SB	SB	STAND-BY
GAC 3	33691		3	25	
REC 1	21938		~~OFF~~	~~OFF~~	
REC 2	20742		~~OFF~~	~~OFF~~	
INJ 1	46152		6	27	
INJ 2	46110		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER		V			

	INLET	OUTLET
GAC #1 (PSI)	11	9
GAC #2 (PSI)	11	11
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.7	
Air Temp (°F)	55°	56°
Water Temp (°F)		140°
V-GAC #1 (H_2O")	2.65	0.10
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.23	
Reactor Tank 2	5.03	
AS. Feed	6.38	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13 3/4"	
Treat. Train 2	13 3/4"	

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby

NIS = Not in service

Supervisors Signature: Peter Pickard Date 11-15-10

DAILY ACTIVITIES SUMMARY REPORT
CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J. JACKSON DATE: 11-11-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • This MORNING IS A NORMAL COOL MORNING FOR this	
2) TIME OF THE YEAR. TEMPS	
3)	
4) • THE Daily OPERATORS LOG WAS DONE	
5)	
6) • CALL IT this MORNING to HAVE Flash PLAYER-10	
7) INSTALLED	
8)	
9) • ADJUSTMENT MADE TO CHECK VALVE #3 AT CARBON	
10) ADSORBER FEED.	
11)	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • TOOK ONLINE (SC00032) SECURITY TRAINING	
2)	
3)	
4)	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

[signature] - 10-15-11

DAILY SITE SAFETY INSPECTION
CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11-11-10

Check all areas, process systems, and equipment for general unsafe conditions. This is to include but is not limited to the observation of leaks, noise, abnormal function.

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
POLYMER				ON
CAUSTIC				
POTASSIUM PERMANGANATE				UNE
HYDROCHLORIC ACID				

Process Tanks	Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION	✓	✓	OK
TREATED WATER	✓	✓	OK
REACTORS	✓	✓	OK
CLARIFIERS	✓	✓	OK
SAND FILTERS	✓	✓	OK
CARBON VESSELS (liq)	✓	✓	OK

Process Systems	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
INFLUENT	✓	✓		OK
SLUDGE SETTLER	✓	✓	✓	OK
RECYCLE	✓	✓	✓	OK
AIR STRIPPER FEED	✓	✓	✓	OK
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	NONE
SHARP EDGES	"
PINCH POINTS	"
OTHER HAZARDS	"

Air Compressor	General Conditions and Comments
TANK	
AFTER COOLER	OFF
AIR DRIER	LINE
MOTOR & COMPRESSOR	

Air Stripper	General Conditions and Comments
COLUMN	OK
BLOWER & BELTS	OK
CARBON VESSELS	OK

Notes and Comments:

SIGNED: _____ DATE: 11-15-10

Science Applications International Corp.
Claremont Polychemical Site
Old Bethpage, New York

Operations and Maintenance Document

SOUND MONITORING WORK SHEET

Day	FRIDAY
Date	11-12-10
Instrument ID	EXTECH 93-20 #310
Battery Check	OK
Calibration Check	OK
Inspector	TAKACH

Area	Reading (dB)	Conditions
Office	62-64	DOOR TO SHOP CLOSED
HVAC Mezzanine	NOT MEASURED	
Clarifier Mezzanine	78-80	
Injection Pumps (at motors)	76-80	#1&2
AS Feed Pumps (at Motors)	98-100	1&3
Air Compressor Station	OFF	
Air Stripper Tower Area	96-80	
AST Blower	84-86	
Paved Area	60-70	
Shop	74-76	Doors Closed

ASF P3 ON

Comments and Observations:
BEARING NOISE OFF OF ASF PUMP 3 IS GETTING
WORSE, HOWEVER, THE PUMP IS PERFORMING FINE.

NM - Not Measured

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

Fe)

DATE: 11/12/10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	720	OPS	1545	
JAMES S. JACKSON	J. Jackson	0537	OPS	1357	Home
RICHARD C. CRONCE	PET				

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Monday
Date: 11-15-10

Weather Forecast (am): Mostly cloudy and mild. Temperatures are to range from 50-54-47^{O}F. Wind is 7-3 mph from ENE-ESE. Relative humidity is 90-80% with chance of rain.

Total Gallons Processed for Day: 562,343 gallons

Plant Operating Hours: 24:00 hrs. **Total Downtime**: 00:00 hrs.

Reason for Downtime:
No downtime required

Significant Operational Problems:
Influent pump is out of service

Corrective Maintenance Performed:
Outdoor cleanup and maintenance tasks

Verbal/Written Instruction from Government Personnel:
Conference call with USEPA and USACE – discussion of transition items deliverable to NYSDEC

Inspections Performed and Results:
Daily site inspection performed. No new issues to note.

Record of any tests performed, samples taken, and personnel involved:
Performed plant air monitoring task – no emissions observed
Plant discharge pH and temperature recorded.

Available Analytical Results:
No new data available

Calibration Procedures Performed:
The lab pH meter was calibrated. The lab PID meter was calibrated.
Process pH electrodes were calibrated

General Remarks:
Flows into and out of the plant have been stable. The plant discharge averaged 390 gpm for the period while the influent was 372 gpm. The injection well levels have been steady.

General O&M activities continue inside and outside the plant

A conference call was conducted (USEPA, USACE, SAIC). A discussion ensued regarding items

and information required by New York State prior to the transfer of the plant operational responsibility. Items included analytical data, equipment list, operating costs, and operating documentation.

James Jackson and Peter Takach were on-site.

Plant Manager Signature: Peter Takach, November 16, 2010

Attachments:

Daily Operating Log
Daily Activities Summary Report
Daily Site Safety Inspection Log
Air Monitoring Log
Sign In Sheet

cc: SAIC Program Manager
USACE Project Manager
File

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: J. JACKSON Day: MONDAY Date: 11-15-10 Time: 0528

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
186	186	372

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
392	0	25911

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am)				Motor Amp Load	System Operating Hours
		T-1	T-2	T-3	T-4		
EW-1	333160	162 810	114570	167 810	~~167 810~~		64087
EW-2	272876	179170	180700	184050	~~184050~~		57863
EW-3	249983	187460	189000	192660	~~192660~~		62228

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	113.1	97	4651826	MILD TEMP THIS MORNING, TEMP
IW-2	121.7	94	4279256	050°F.
IW-3	113.6	113	4559106	
IW-4	136A	80	3875507	PLANT RAN FINE OVER WEEK END

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	75281	NM	2	6	
INF 2	74068		3	8	
INF 3	28782		SB	SB	STAND-BY
ASF 1	42319		0	32	
ASF 2	49909		SB	SB	STAND-BY
ASF 3	43060		0	31	
GAC 1	45621		4	16	
GAC 2	48980		SB	SB	STAND-BY
GAC 3	33961		4	16	
REC 1	21936		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	16222		6	27	
INJ 2	40180		6	27	
INJ 3				NIS	NOT IN SERVICE
SUMP					
BLOWER					

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	13	11
AIR DRIER (PSI)	0	OL

AS Blower (H_2O")	4.8	
Air Temp (°F)	55°	55°
Water Temp (°F)		14°C
V-GAC #1 (H_2O")	2.65	0.10
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.33	WJ | 14°C
Reactor Tank 2	4.86	6.19 | 14°C
AS. Feed	6.38	WJ | 14°C
PLANT DISCHARGE - pH		6.46
PLANT DISCHARGE - Temp.		14°C

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13 3/4"	
Treat. Train 2	13 1/4"	

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby

NIS = Not in service

Supervisors Signature: Ruth Inkel Date 11-16-10

DAILY ACTIVITIES SUMMARY REPORT
CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J JACKSON DATE: 11-15-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) TEMP @ 50° THIS MORNING	
2)	
3) • PLANT RAN FINE OVER WEEK END	
4)	
5) • THE DAILY OPERATOR LOG WAS COMPLETED	
6)	
7) • THE PID WAS CALIBRATED - AIR MONITORING DONE	
8)	
9) • THE WEEKLY PH'S & TEMPS WERE DONE	
10)	
11) • THE LEAVES AROUND THE TREATMENT TK, AND EQ	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) TANK WERE BLOWNED with PLANT BLOWER.	
2)	
3) • RAKED STONES AROUND PLANT SUMP	
4)	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Pat Kail 11-16-10

DAILY SITE SAFETY INSPECTION
CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11-15-10

Check all areas, process systems, and equipment for general unsafe conditions.
This is to include but is not limited to the observation of leaks, noise, abnormal function.

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
POLYMER				NOT
CAUSTIC				IN
POTASSIUM PERMANGANATE				
HYDROCHLORIC ACID				SERVICE

Process Tanks		Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION		✓	✓	OK
TREATED WATER		✓	✓	OK
REACTORS		✓	✓	OK
CLARIFIERS		✓	✓	OK
SAND FILTERS		✓	✓	OK
CARBON VESSELS (liq)		✓	✓	OK

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		#3 ELECTRICAL ISSUE
SLUDGE SETTLER	✓	✓	✓	OK
RECYCLE	✓	✓	✓	OK
AIR STRIPPER FEED	✓	✓	✓	OK
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	NONE
SHARP EDGES	"
PINCH POINTS	"
OTHER HAZARDS	"

Air Compressor	General Conditions and Comments
TANK	
AFTER COOLER	OFF
AIR DRIER	LINE
MOTOR & COMPRESSOR	

Air Stripper	General Conditions and Comments
COLUMN	OK
BLOWER & BELTS	OK
CARBON VESSELS	OK

Notes and Comments:

SIGNED: _____ **DATE:** 11-16-10

AIR MONITORING LOG
CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler JJACKSON JR Date 12-15-10

Calibration Standard(s) 100PPM / ISOBUTYLENE

Post-cal Readings 96.7PPM / 100PPM

Location		Reading (ppm)
CONTROL ROOM		
	Laboratory	0.0
	Bathroom	0.0
	Office	0.0
PLANT		
	Influent Area	0.0
	Sludge Storage Area	0.0
	Sand Filter Area	0.0
	Air Compressor Area	0.0
	Sludge Press Area	0.0
EXTERIOR		
	Storage Tanks	0.0
	Upper (South West) Lot	0.0
	Lower (South East) Lot	0.0
	Air Stripper Area	0.0
	Back (North)	
GAC VESSELS		
	#1 Influent	0.0
	#1 Effluent	0.0
	#2 Influent	0.0
	#2 Effluent	0.0

Comments:

PRT

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

MVM

DATE: 11/15/10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	D. Takach	739	OPS	1602	
JAMES S. JACKSON	J Jackson	0514	OPS	1335	Home
RICHARD C. CRONCE		PCP			

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Tuesday
Date: 11-16-10

Weather Forecast (am): Cloudy, rain, and mild. Temperatures are to range from 50-56-52^{O}F. The wind will be from the ESE at 6-12 mph. Relative humidity is 85-90% with scattered showers.

Total Gallons Processed for period: 570,793 gallons

Plant Operating Hours: 24:00 hrs. **Total Downtime**: 0:00 hrs.

Reason for Downtime:
No downtime required

Significant Operational Problems:
Influent Pump #3 will not activate

Corrective Maintenance Performed:
Indoor plant clean up
Cleaned and adjusted pH electrodes in Reaction tanks

Verbal/Written Instruction from Government Personnel:
No new instructions received

Inspections Performed and Results:
Site safety inspection was conducted with nothing new to report.

Record of any tests performed, samples taken, and personnel involved:
No tests performed or samples taken

Available Analytical Results:
No new analytical results were available

Calibration Procedures Performed:
Reaction tank pH electrodes were calibrated
Lab pH meter was calibrated

General Remarks:
The general plant operation has been very stable. Flows into and out of the plant are steady – influent 372 gpm, effluent 391 gpm. The injection well water levels are holding steady.

Documentation tasks continue – transfer info, SAIC training

James Jackson and Peter Takach were on-site for O&M.

Plant Manager Signature: Peter Takach, November 17, 2010

Attachments:

Daily Operating Log
Daily Activities Summary Report
Daily Site Safety Inspection Log
Sign In Sheet

cc: SAIC Program Manager
USACE Project Manager
File

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: J JACKSON Day: TUESDAY Date: 11-16-10 Time: 0613

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
186	186	372

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
391	0	259628

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am)				Motor Amp Load	System Operating Hours
		T-1	T-2	T-3	T-4		
EW-1	333323	168770					64103
EW-2	273055	185240					57879
EW-3	230171	194310					62244

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	163.1	96	4665027	RAINY MORNING
IW-2	121.6	93	4312826	PLANT IS RUNNING FINE
IW-3	163.6	112	~~4312826~~ 4575267	
IW-4	156.4	79	3886962	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	75304	NM	1	6	
INF 2	74091		2	8	
INF 3	28182		SB	SB	STAND-BY
ASF 1	42342		1	33	
ASF 2	49909		SB	SB	STAND-BY
ASF 3	43083		0	31	
GAC 1	45644		4	16	
GAC 2	48980		SB	SB	STAND-BY
GAC 3	33984		3	17	
REC 1	21936		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	66245		6	27	
INJ 2	40204		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER					

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	11	11
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.6	
Air Temp (°F)	55°	55°
Water Temp (°F)		14° C
V-GAC #1 (H_2O")	2.65	0.10
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.34	
Reactor Tank 2	4.78	
AS. Feed	6.38	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13 3/8"	
Treat. Train 2	13 1/2"	

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby

NIS = Not in service

Supervisors Signature: Date 11-17-10

DAILY ACTIVITIES SUMMARY REPORT
CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J JACKSON DATE: 11-16-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• RAINY MORNING, SLIGHT FOG	
2)		
3)	• RAN FINE OVER NIGHT, NO PROBLEMS	
4)		
5)	• THE DAILY OPERATORS LOG WAS DONE	
6)		
7)	• PORTIONS OF THE UPPER LEVEL WAS MOPPED	
8)		
9)	• THE REAR BED OF TRUCK WAS SWEPTED OUT.	
10)		
11)	• WORKING ON TIME CHARGING	

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)		
2)		
3)		
4)		
5)		
6)		
7)		
8)		
9)		
10)		
11)		

	IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)	

11-17-10

DAILY SITE SAFETY INSPECTION
CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11-16-10

Check all areas, process systems, and equipment for general unsafe conditions.
This is to include but is not limited to the observation of leaks, noise, abnormal function.

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
POLYMER				NOT
CAUSTIC				
POTASSIUM PERMANGANATE				IN
HYDROCHLORIC ACID				SERVICE

Process Tanks		Valves	Tanks	COMMENTS (Include areas of leaks)
EQUALIZATION		✓	✓	OK
TREATED WATER		✓	✓	OK
REACTORS		✓	✓	OK
CLARIFIERS		✓	✓	OK
SAND FILTERS		✓	✓	OK
CARBON VESSELS (liq)		✓	✓	OK

Process Systems	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
INFLUENT	✓	✓		#3 ELECTRICAL ISSUES
SLUDGE SETTLER	✓	✓	✓	OK
RECYCLE	✓	✓	✓	OK
AIR STRIPPER FEED	✓	✓	✓	OK
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	NONE
SHARP EDGES	"
PINCH POINTS	"
OTHER HAZARDS	"

Air Compressor	General Conditions and Comments
TANK	
AFTER COOLER	OFF
AIR DRIER	LINE
MOTOR & COMPRESSOR	

Air Stripper	General Conditions and Comments
COLUMN	OK
BLOWER & BELTS	OK
CARBON VESSELS	OK

Notes and Comments:

UPPER LEVEL FLOOR - MOPPED

SIGNED: [signature]

DATE: 11-17-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: TUES 11-16-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	739	SPS	1535	
JAMES S. JACKSON	J JACKSON	0508	OPERATOR	1336	Home
RICHARD C. CRONCE		Pet			

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Wednesday
Date: 11-17-10

Weather Forecast (am): Raining and mild. Temperatures are to range from 58-62-42°F. Wind will be from the SSW-west at 18-26-21 mph. Relative humidity is 85>60% with no precipitation.

Total Gallons Processed for day: 559,611 gallons

Plant Operating Hours: 24:00 hrs. **Total Downtime**: 00:00hrs.

Reason for Downtime:
No downtime required

Significant Operational Problems:
Influent Pump #3 is not operating

Corrective Maintenance Performed:
Outdoor plant clean up

Verbal/Written Instruction from Government Personnel:
Submitted ASR for December's PD sampling

Inspections Performed and Results:
Site safety inspection was conducted with nothing new to report.
The well cluster at MW-8 was inspected

Record of any tests performed, samples taken, and personnel involved:
The water levels at selected monitoring wells were taken

Available Analytical Results:
No new data available.

Calibration Procedures Performed:
No calibrations required

General Remarks:
The plant is running in a very stable mode with consistent influent and effluent flows. Influent flow is set at 372 gpm and plant effluent averaged ~391 gpm for the day.

Plant and equipment clean up continues.

Miscellaneous documentation tasks continue.

James Jackson (JSJ) and Peter Takach were on site.

Plant Manager Signature: Peter Takach, November 18, 2010

Attachments:

Daily Operating Log
Daily Activities Summary Report
Daily Site Safety Inspection Log
Sign In Sheet

cc: SAIC Program Manager
USACE Project Manager
File

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: J JACKSON Day: WEDNESDAY Date: 11-17-10 Time: 0519

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
186	186	372

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
391	0	26025

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am) T-1	T-2	T-3	T-4	Motor Amp Load	System Operating Hours
EW-1	333486	162966					6419
EW-2	273234	178990					57895
EW-3	250359	187420					62260

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume
IW-1	163.0	97	4678942
IW-2	122.3	92	4326470
IW-3	163.8	112	4591509
IW-4	156.7	79	3898456

Observations and Comments: HEAVY RAIN AT TIMES
PLANT RAN FINE LAST Night.

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	75328	NM	0	6	
INF 2	74115	↓	0	8	
INF 3	28782	↓	SB	SB	STAND-BY
ASF 1	42366	↓	1	33	
ASF 2	49989	↓	SB	SB	STAND-BY
ASF 3	43107	↓	0	32	
GAC 1	45668	↓	4	17	
GAC 2	48980	↓	SB	SB	STAND-BY
GAC 3	34008	↓	4	17	
REC 1	21938	↓	OFF	OFF	
REC 2	20742	↓	OFF	OFF	
INJ 1	6269	↓	7	27	
INJ 2	40227	↓	8	27	
INJ 3	—	↓	NIS	NIS	NOT IN SERVICE
SUMP		↓			
BLOWER		↓			

	INLET	OUTLET
GAC #1 (PSI)	11	8
GAC #2 (PSI)	12	11
AIR DRIER (PSI)	OL	OL
AS Blower (H_2O")	4.6	
Air Temp (°F)	55	55
Water Temp (°F)		15 C
V-GAC #1 (H_2O")	2.60	0.00
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.56	
Reactor Tank 2	5.60	
AS. Feed	6.40	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13 3/4"	
Treat. Train 2	13 1/2"	

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby
NIS = Not in service

Supervisors Signature: [signature] Date 11-18-10

DAILY ACTIVITIES SUMMARY REPORT
CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J J ACKSON DATE: 11-17-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• HEAVY RAIN AT TIMES	
2)		
3)	• THE DAILY OPERATORS LOG WAS COMPLETED	
4)		
5)	• THE PLANT RAN FINE DURING THE NIGHT	
6)		
7)	• BEGAN WORKING ON TIME CHARGING TRAINING	
8)		
9)	• WATER LEVELS AT MW 8A - WAS DONE - DID DONE	
10)		
11)	• WATER LEVEL AT MW 8B WAS DONE - DID DONE	

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• WATER LEVEL AT EW-14 & COLLEGE & DID WAS	
2)	DONE •	
3)		
4)	• MIKE FLAHERTY CALLED TO GIVE THE WATER LEVELS	
5)	① BP-3A : 67.03	
6)	② BP-3B : 64.90	
7)	③ BP-3C : 65.05 (POND REMOVED)	
8)		
9)		
10)		
11)		

	IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)	

11-18-10

DAILY SITE SAFETY INSPECTION
CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11-17-10

Check all areas, process systems, and equipment for general unsafe conditions.
This is to include but is not limited to the observation of leaks, noise, abnormal function.

	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
Chemical Feed Skids				
POLYMER				NOT
CAUSTIC				
POTASSIUM PERMANGANATE				IN
HYDROCHLORIC ACID				SERVICE

	Valves	Tanks	COMMENTS (include areas of leaks)
Process Tanks			
EQUALIZATION	✓	✓	OK
TREATED WATER	✓	✓	OK
REACTORS	✓	✓	OK
CLARIFIERS	✓	✓	OK
SAND FILTERS	✓	✓	OK
CARBON VESSELS (liq)	✓	✓	OK

	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
Process Systems				
INFLUENT		✓		#3 ELECTRIAL ISSUE
SLUDGE SETTLER	✓	✓	✓	OK
RECYCLE	✓	✓	✓	OK
AIR STRIPPER FEED	✓	✓	✓	OK
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

	General Conditions and Comments
Floor and General Work Areas	
SLIP, TRIP, & FALL HAZARDS	NONE
SHARP EDGES	"
PINCH POINTS	"
OTHER HAZARDS	"

	General Conditions and Comments
Air Compressor	
TANK	
AFTER COOLER	OFF
AIR DRIER	LINE
MOTOR & COMPRESSOR	

	General Conditions and Comments
Air Stripper	
COLUMN	OK
BLOWER & BELTS	OK
CARBON VESSELS	OK

Notes and Comments:

SIGNED: [signature] 11-18-10 **DATE:** _____

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

WEDS

DATE: 11-17-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	730	60	1545	
JAMES S. JACKSON	J. Jackson	0507	OPS	1334	Home
RICHARD C. CRONCE		Ret			

Doc. No.: CPS-Form-011
March 3, 2008
Rev.: C

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Thursday
Date: 11-18-10

Weather Forecast (am): Partly sunny and cool. Temperatures are to range from 43-55-38^{o}F. Wind to be 8-10-9 mph from the west-WSW. RH is 50-65%. Late rain is expected.

Total Gallons Processed for day: 581,601 gallons

Plant Operating Hours: 24:00 hrs. **Plant Total Downtime**: 0:00 hrs.

Reason for Downtime:
No downtime to report

Significant Operational Problems:
Influent pump #3 remains out of service. Overload relay would not reset.

Corrective Maintenance Performed:
Rotated process pumps from 1&3 to 2&3

Verbal/Written Instruction from Government Personnel:
No new instructions received

Inspections Performed and Results:
Site safety inspection was completed with no new issues to note.

Record of any tests performed, samples taken, and personnel involved:
No samples taken or tests run.

Available Analytical Results:
No new data is available.

Calibration Procedures Performed:
No calibrations required

General Remarks:
The treatment plant is running in a stable mode with flows near maximum.

General plant O&M continues

James Jackson and Peter Takach were on-site.

Plant Manager Signature: Peter Takach, November 22, 2010

Attachments:

Daily Operating Log
Daily Activities Summary Report
Daily Site Safety Inspection Log
Sign In Sheet

cc: SAIC Program Manager
USACE Project Manager
File

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: J. Jackson Day: Thrusday Date: 11-18-10 Time: 0516

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
186	186	372

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
391	0	260.81

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am)				Motor Amp Load	System Operating Hours
		T-1	T-2	T-3	T-4		
EW-1	333651	164860					64135
EW-2	273415	160930					57911
EW-3	250551	159500					62276

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	163.1	96	4692681	DRY MORNING, NO RAIN, MILD
IW-2	123.9	93	4339898	TEMP @ 48°F
IW-3	163.8	112	4607548	
IW-4	156.5	79	3909798	PLANT IS RUNNING FINE

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	75351	NM	2	7	
INF 2	74138		3	8	
INF 3	28782		SB	SB	STAND-BY
ASF 1	42364		0	33	
ASF 2	49909		SB	SB	STAND-BY
ASF 3	43130		0	30	
GAC 1	45691		4	16	
GAC 2	48980		SB	SB	STAND-BY
GAC 3	34031		1	17	
REC 1	21938		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	66292		7	27	
INJ 2	40251		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER					

	INLET	OUTLET
GAC #1 (PSI)	11	8
GAC #2 (PSI)	13	11
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.6	
Air Temp (°F)	55°C	55°C
Water Temp (°F)		14°C
V-GAC #1 (H_2O")	2.65	0.00
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.60	
Reactor Tank 2	5.62	
AS. Feed	6.41	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13 3/4"	
Treat. Train 2	13 1/4"	

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby
NIS = Not in service

Supervisors Signature: [signature] Date 11-22-10

DAILY ACTIVITIES SUMMARY REPORT
CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J JACKSON DATE: 11-16-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • NICE MORNING, NO RAIN	TEMP @ 48°F
2)	
3) • THE PLANT HAS RAN ELNG thruogh OUT THE	
4) NIGHT •	
5)	
6) • THE DAILY OPERATORS LOG WAS COMPLETED	
7)	
8) • BEGAN ORGANIZING MY MEDICAL, HAZWOPER,	
9) AND CPR CERTIFICATES	
10)	
11) • DELTEK TIME CHARGING WAS DONE.	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	
2)	
3)	
4)	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Todd Wall 11-22-10

DAILY SITE SAFETY INSPECTION
CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11-18-10

Check all areas, process systems, and equipment for general unsafe conditions.
This is to include but is not limited to the observation of leaks, noise, abnormal function.

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
POLYMER				
CAUSTIC				NOT
POTASSIUM PERMANGANATE				IN
HYDROCHLORIC ACID				SERVICE

Process Tanks		Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION		✓	✓	OK
TREATED WATER		✓	✓	OK
REACTORS		✓	✓	OK
CLARIFIERS		✓	✓	OK
SAND FILTERS		✓	✓	OK
CARBON VESSELS (liq)		✓	✓	OK

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		#3 ELECTRICAL ISSUES
SLUDGE SETTLER	✓	✓	✓	OK
RECYCLE	✓	✓	✓	OK
AIR STRIPPER FEED	✓	✓	✓	OK
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	NONE
SHARP EDGES	"
PINCH POINTS	"
OTHER HAZARDS	"

Air Compressor	General Conditions and Comments
TANK	
AFTER COOLER	OFF
AIR DRIER	LINE
MOTOR & COMPRESSOR	

Air Stripper	General Conditions and Comments
COLUMN	OK
BLOWER & BELTS	OK
CARBON VESSELS	OK

Notes and Comments:

SIGNED: _____ DATE: 11-22-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

Thru.
DATE: 11-18-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	725	OPS	1550	—
JAMES S. JACKSON	J. Jackson	0510	OPS	1327	Home
RICHARD C. CRONCE	RCC				

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Friday
Date: 11-19-10

Weather Forecast (am):
Fri: Sunny and cool. Temps are expected to reach 39-47-39°F. Winds will be 12-16 mph from west. RH is 49-60 with no precipitation expected.
Sat: Sunny, 40-55-35°F, wind 17>8 mph from West, 65% RH, no precipitation expected.
Sun: Mostly sunny, 38-45-41°F, wind 9>2 mph from E-SSE, 60% RH, no precipitation expected.

Total Gallons Processed for period (11/19-11/22): 1,677,291 gallons

Plant Operating Hours: 72:00 hrs. **Plant Total Downtime**: 0:00 hrs.

Reason for Downtime:
No downtime to report

Significant Operational Problems:
Influent Pump #3 remains out of service

Corrective Maintenance Performed:
Removed carbon from floor drain sump

Verbal/Written Instruction from Government Personnel:
No new communications

Inspections Performed and Results:
Daily site safety inspection completed with no new issues.

Record of any tests performed, samples taken, and personnel involved:
No samples taken or tests performed.

Available Analytical Results:
No new data was available.

Calibration Procedures Performed:
No calibrations required

General Remarks:
The plant has been running in a pretty steady state. Plant influent flows are stable at ~372 gpm and plant effluent flows are holding at 390 gpm.

Normal plant O&M activities continued and end of the month documentation is underway.

James Jackson was on site. Peter Takach was out

Plant Manager Signature: Peter Takach, November 22, 2010

Attachments:

Daily Operating Log
Daily activities Summary Report
Daily Site Safety Inspection
Employee Sign-In Sheet

cc: SAIC Program Manager
USACE Project Manager
File

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: J. JACKSON Day: FRIDAY Date: 11-19-10 Time: 0537

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
186	186	372

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
391	0	26139

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am)				Motor Amp Load	System Operating Hours
		T-1	T-2	T-3	T-4		
EW-1	333818	167050					64152
EW-2	273598	183310					57928
EW-3	250743	191910					62292

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	163.1	97	4706831	TEMP @ 43°
IW-2	124.6	95	4351664	43536640
IW-3	163.8	112	4624055	PLANT IS RUNNING FINE
IW-4	156.5	79	3921473	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	75375	NM	2	6	
INF 2	74162		2	6	
INF 3	26782		SB	SB	STAND-BY
ASF 1	42394		SB	SB	STAND-BY
ASF 2	49928		0	30	
ASF 3	43154		0	32	
GAC 1	45696		SB	SB	STAND-BY
GAC 2	46999		2	15	
GAC 3	34055		4	17	
REC 1	21938		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	42316		7	27	
INJ 2	40274		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER					

	INLET	OUTLET
GAC #1 (PSI)	11	8
GAC #2 (PSI)	13	11
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.8	
Air Temp (°F)	55°	56°
Water Temp (°F)		13°C
V-GAC #1 (H_2O")	2.65	0.00
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.60	
Reactor Tank 2	5.61	
AS. Feed	6.34	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13 3/4"	
Treat. Train 2	13 1/4"	

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby
NIS = Not in service

Supervisors Signature: [signature] Date 11-22-10

DAILY ACTIVITIES SUMMARY REPORT
CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J.JACKSON DATE: 11-19-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• A DRY MORNING - TEMP @ 48°F	
2)		
3)	• THE OPERATOR LOG WAS COMPLETED	
4)		
5)	• SLUDGE PUMP WAS TESTED - RUNS FINE	
6)		
7)	• PLANT SUMP IS BEING AERATED	
8)		
9)	• VALERIE CALLED TO DROP OFF KEY & INSTALL	
10)	PUMP @ BP 3C - WILL BE DONE IN FUTURE	
11)		

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• WAS NOT ABLE TO PUMP ALL CARBON FROM SUMP	
2)		
3)		
4)		
5)		
6)		
7)		
8)		
9)		
10)		
11)		

	IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)	

11-22-10

DAILY SITE SAFETY INSPECTION
CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11-19-10

Check all areas, process systems, and equipment for general unsafe conditions.
This is to include but is not limited to the observation of leaks, noise, abnormal function.

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
POLYMER				NOT
CAUSTIC				
POTASSIUM PERMANGANATE				IN
HYDROCHLORIC ACID				SERVICE

Process Tanks		Valves	Tanks	COMMENTS (Include areas of leaks)
EQUALIZATION		✓	✓	OK
TREATED WATER		✓	✓	OK
REACTORS		✓	✓	OK
CLARIFIERS		✓	✓	OK
SAND FILTERS		✓	✓	OK
CARBON VESSELS (liq)		✓	✓	OK

Process Systems	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
INFLUENT	—	✓		#3 ELECTRIAL ISSUE
SLUDGE SETTLER	✓	✓	✓	OK
RECYCLE	✓	✓	✓	OK
AIR STRIPPER FEED	✓	✓	✓	OK
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	NONE
SHARP EDGES	"
PINCH POINTS	"
OTHER HAZARDS	"

Air Compressor	General Conditions and Comments
TANK	OK - IN USE TODAY ABOUT 3 hrs
AFTER COOLER	OK
AIR DRIER	OK
MOTOR & COMPRESSOR	OK

Air Stripper	General Conditions and Comments
COLUMN	OK
BLOWER & BELTS	OK
CARBON VESSELS	OK

Notes and Comments:

SIGNED: Ruth Ekal

DATE: 11-22-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

ERI

DATE: 11-19-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH					
JAMES S. JACKSON	JJackson	0522	CPS	1340	Home
RICHARD C. CRONCE	RCT				

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Monday
Date: 11-22-10

Weather Forecast (am): cloudy, wet, and cold. Temps are to range from 48-59-49°F. Wind is from the south – SSW at 7-14-12 mph. Relative humidity is 80-70%. Clearing.

Total Volume Processed for Day: 462,893 gallons

Plant Operating Hours: 19:20 hrs. **Total Downtime**: 4:40 hrs.

Reason for Downtime:
CA vessel #2 was backwashed through 4 cycles

Significant Operational Problems:
Influent pump #3 remains inoperable

Corrective Maintenance Performed:
Backwashed carbon vessels
Floor sump was pumped out through filter press, a lot of carbon remains in sump.

Verbal/Written Instruction from Government Personnel:
No new instructions received

Inspections Performed and Results:
Conducted site safety inspection, no new issues found.

Record of any tests performed, samples taken, and personnel involved:
The pH and temperature readings were taken from plant discharge stream
Plant air monitoring task was completed

Available Analytical Results:
No new data received

Calibration Procedures Performed:
The lab pH meter was calibrated and logged in.
PID meter was calibrated and logged in
The process pH meters were calibrated

General Remarks:
The plant is running smoothly. Plant discharge flow is stable. Injection well levels are also stable.

End of the month documentation is underway

James Jackson (JSJ) and Peter Takach (PET) were on site.

Plant Manager Signature: Peter Takach, November 23, 2010

Attachments:

- Daily Operating Log
- Daily Activities Summary Report
- Daily Site Safety Inspection Log
- Air Monitoring Log
- Sign In Sheet

cc:
- SAIC Program Manager
- USACE Project Manager
- File

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: J. JACKSON Day: MONDAY Date: 11-22-10 Time: 0531

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
186	186	372

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
392	0	26307

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am)				Motor Amp Load	System Operating Hours
		T-1	T-2	T-3	T-4		
EW-1	334304	162990	166080	162670	167050		64200
EW-2	274132	179700	185120	179100	183310		57996
EW-3	251305	187800	193660	187270	191910		62341

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	163.1	98	4748324	LIGHT RAIN AT TIMES, TEMP @ 43°F
IW-2	125.6	92	4393593	PLANT RAN WELL OVER THE
IW-3	163.9	114	4672453	
IW-4	157.1	79	3955539	WEEK END.

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	75445	NM	0	6	
INF 2	74232		1	8	
INF 3	28782	SB	SB	SB	
ASF 1	42394		SB	SB	STAND-BY
ASF 2	49996		SB	SB	STAND-BY
ASF 3	43224		2	30	
GAC 1	46916		0	31	
GAC 2	49069		SB	SB	STAND-BY
GAC 3	34125		4	15	
REC 1	21936		4	16	
REC 2	20742		OFF	OFF	
INJ 1	663816		OFF	OFF	
INJ 2	40344		6	27	
INJ 3	—		62	27	
SUMP			NIS	NIS	NOT IN SERVICE
BLOWER		V			

	INLET	OUTLET
GAC #1 (PSI)	11	6
GAC #2 (PSI)	13	11
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.6	
Air Temp (°F)	55°	55°
Water Temp (°F)		13°C
V-GAC #1 (H_2O")	2.65	0.00
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.60	6.14 | 13°C
Reactor Tank 2	5.46	6.18 | 13°C
AS. Feed	6.39	6.35 | 13°C
PLANT DISCHARGE - pH		6.40
PLANT DISCHARGE - Temp.		13°C

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13 3/4"	
Treat. Train 2	13 1/2"	

Additional comments:
GAC # 1 WAS BACKWASHED FOUR TIMES - SLUDGE FROM SUMP BEING PUMPED TO FILTER PRESS

NM = Not Measured
OL = Off Line
SB = Standby
NIS = Not in service

Supervisors Signature: [signature] Date 11-23-10

DAILY ACTIVITIES SUMMARY REPORT
CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J JACKSON DATE: 11-22-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• LIGHT RAIN THIS MORNING AT TIMES, TEMP @	
2)		
3)	• THE WEEKLY PH & TEMPS WERE COMPLETED	
4)		
5)	• THE WEEK AIR MONITORING WAS DONE - PID	
6)	WAS CALIBRATED.	
7)		
8)	• THE DAILY OPERATOR LOG WAS DONE	
9)		
10)	• PLANT SHUT DOWN @ 0715 - BEGAN SHUTTING	
11)	CERTAIN VALVES	

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• 0750 - BEGAN PUTTING AIR IN GAC #1 - HIGH PRESSURED	
2)	FIRST.	
3)	• 0820 - FINISH THE FIRST BACKWASH @ GAC #1	
4)		
5)	• THE SECOND BACKWASH WAS DONE	
6)		
7)	• THE THIRD BACKWASH WAS DONE	
8)		
9)	- #1 BACKWASH COMPLETED - BEGAN PUTTING PLANT	
10)	ON LINE.	
11)		

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

11-23-10

DAILY SITE SAFETY INSPECTION
CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11-22-10

Check all areas, process systems, and equipment for general unsafe conditions.
This is to include but is not limited to the observation of leaks, noise, abnormal function.

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
POLYMER				NOT
CAUSTIC				
POTASSIUM PERMANGANATE				IN
HYDROCHLORIC ACID				SERVICE

Process Tanks		Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION		✓	✓	OK
TREATED WATER		✓	✓	OK
REACTORS		✓	✓	OK
CLARIFIERS		✓	✓	OK
SAND FILTERS		✓	✓	OK
CARBON VESSELS (liq)		✓	✓	OK

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	–	–		DOWN - BACKWASH
SLUDGE SETTLER			✓	
RECYCLE	–	–	✓	OFF
AIR STRIPPER FEED	–	–	✓	DOWN - BACKWASH
CARBON FEED	–	–	✓	DOWN - BACKWASH
INJECTION	–	–		DOWN - BACKWASH

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	NONE
SHARP EDGES	"
PINCH POINTS	"
OTHER HAZARDS	"

Air Compressor	General Conditions and Comments
TANK	OK - ON FOR BACKWASH
AFTER COOLER	OK
AIR DRIER	OK
MOTOR & COMPRESSOR	OK

Air Stripper	General Conditions and Comments
COLUMN	OK
BLOWER & BELTS	OK
CARBON VESSELS	OK

Notes and Comments:

BACKWASHING EACH1 ONLY - EACH2 WILL BE CLEANED AT ANOTHER TIME.

SIGNED: [signature]

DATE: 11-23-10

AIR MONITORING LOG
CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler J.JACKSON Date 11-22-10

Calibration Standard(s) 100 PPM \ ISOBUTYLENE

Post-cal Readings 92.6 PPM \ 100.0 PPM

Location		Reading (ppm)
CONTROL ROOM		
	Laboratory	0.0
	Bathroom	0.0
	Office	0.0
PLANT		
	Influent Area	0.0
	Sludge Storage Area	0.0
	Sand Filter Area	0.0
	Air Compressor Area	0.0
	Sludge Press Area	0.0
EXTERIOR		
	Storage Tanks	0.0
	Upper (South West) Lot	0.0
	Lower (South East) Lot	0.0
	Air Stripper Area	0.0
	Back (North)	0.0
GAC VESSELS		
	#1 Influent	0.0
	#1 Effluent	0.0
	#2 Influent	0
	#2 Effluent	0

Comments: PID WAS CALIBRATED, AIR MONITORING DONE NOT A AIR ISSUE INSIDE OR OUTSIDE PLANT

P.T

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

MOM

DATE: 11-22-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	735	SDS	1550	
JAMES S. JACKSON	JJackson	0526	SDS	1350	
RICHARD C. CRONCE					

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Tuesday
Date: 11-23-10

Weather Forecast (am): Mostly sunny and warmer. Temps are expected to be 56-60-38°F. Wind will come from the SSW-WNW at 13-9-12 mph. Relative humidity is 65-75 with rain expected in afternoon.

Total Volume Processed for Day: 561,169gallons

Plant Operating Hours: 24:00 hrs. **Total Downtime**: 00:00 hrs.

Reason for Downtime:
No downtime to report

Significant Operational Problems:
Influent Pump #3 remains off line

Corrective Maintenance Performed:
Emptied press of carbon cake, transferred cake to drums
Pumped some carbon sludge from sump to press with M-8
Took apart M-8 pump, cleaned, lubricated, and reassembled
Worked on sump pump stand
Consolidated carbon sludge drums

Verbal/Written Instruction from Government Personnel:
USACE requested info on form of 'as-built drawings' for submittal

Inspections Performed and Results:
Site safety inspection was completed. There is nothing new to report.

Record of any tests performed, samples taken, and personnel involved:
No tests performed or samples taken

Available Analytical Results:
No new data is available.

Calibration Procedures Performed:
No calibrations required.

General Remarks:
The plant is stable at current flow levels. Influent flow is at 372 gpm and plant discharge is 390.

End of the month documentation has started.

General O&M activities continue.

James Jackson (JSJ) and Peter Takach (PET) were on site today.

Plant Manager Signature: Peter Takach, November 24, 2010

Attachments:

Daily Operating Log
Daily Activities Summary Report
Daily Site Safety Inspection Log
Sign In Sheet

cc: SAIC Program Manager
USACE Project Manager
File

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: J JACKSON Day: TUESday Date: 11-23-10 Time: 0534

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
186	186	372

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
367	0	26353

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am)				Motor Amp Load	System Operating Hours
		T-1	T-2	T-3	T-4		
EW-1	334436	132940					64213
EW-2	274278	146700					57989
EW-3	251458	153140					62354

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	112.7	96	4759416	PLANT RAN FINE LAST NIGHT
IW-2	123.9	93	4404848	
IW-3	113.4	111	4685472	
IW-4	153.2	81	3965216	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	75464		7	6	
INF 2	74251		3	8	
INF 3	26788		SB	SB	STAND-BY
ASF 1	42394		SB	SB	STAND-BY
ASF 2	56017		1	30	
ASF 3	43243		0	33	
GAC 1	45696		SB	SB	STAND-BY
GAC 2	49086		2	15	
GAC 3	34144		4	16	
REC 1	21939		OFF	OFF	
REC 2	20743		OFF	OFF	
INJ 1	66466		6	27	
INJ 2	40364		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER					

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	10	11
AIR DRIER (PSI)	61	OL

AS Blower (H_2O")	4.6	
Air Temp (°F)	55°	55°
Water Temp (°F)		
V-GAC #1 (H_2O")	2.65	000
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.60	
Reactor Tank 2	5.24	
AS. Feed	6.40	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13 3/4"	
Treat. Train 2	13 1/2"	

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby

NIS = Not in service

Supervisors Signature: [signature] Date 11-24-10

DAILY ACTIVITIES SUMMARY REPORT
CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J JACKSON DATE: 11-23-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • THE PLANT RAN FINE OVERNIGHT	
2)	
3) • THE DAILY OPERATOR LOG WAS DONE	
4)	
5) • FILTER PRESS WAS CLEANED - 80% FULL	
6)	
7) • Problem with M-2 PUMP - CLOGGED WITH Carbon	
8)	
9) • M-2 PUMP IS WORKING WELL •	
10)	
11) • SUMP PUMP PULLED FROM SUMP	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • EXTENTIONS MADE FOR PUMP TO ELIVATE PUMP	
2) OFF FLOOR - TO AVOID CARBON BUILD-UP, WHICH	
3) WOULD SHUT DOWN PUMP •	
4)	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Patrick Neal 11-24-10

DAILY SITE SAFETY INSPECTION
CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11-23-10

Check all areas, process systems, and equipment for general unsafe conditions.
This is to include but is not limited to the observation of leaks, noise, abnormal function.

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
POLYMER				NOT
CAUSTIC				
POTASSIUM PERMANGANATE				IN
HYDROCHLORIC ACID				SERVICE

Process Tanks		Valves	Tanks	COMMENTS (Include areas of leaks)
EQUALIZATION		✓	✓	OK
TREATED WATER		✓	✓	OK
REACTORS		✓	✓	OK
CLARIFIERS		✓	✓	OK
SAND FILTERS		✓	✓	OK
CARBON VESSELS (liq)		✓	✓	OK

Process Systems	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
INFLUENT	—	✓		#3 HAS ISSUES
SLUDGE SETTLER	✓	✓	✓	OK
RECYCLE	✓	✓	✓	OK
AIR STRIPPER FEED	✓	✓	✓	OK
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	NONE
SHARP EDGES	"
PINCH POINTS	"
OTHER HAZARDS	"

Air Compressor	General Conditions and Comments
TANK	OK PUMPING OUT SUMP TO FILTER
AFTER COOLER	OK PRESS
AIR DRIER	OK
MOTOR & COMPRESSOR	OK

Air Stripper	General Conditions and Comments
COLUMN	OK
BLOWER & BELTS	OK
CARBON VESSELS	OK

Notes and Comments:

SIGNED: [signature]

DATE: 11-24-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

TUE

DATE: 11-23-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	730	OPS	1555	
JAMES S. JACKSON	J Jackson	0525	Home	1350	Home
RICHARD C. CRONCE		REI			

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Wednesday
Date: 11-24-10

Weather Forecast (am): Wed: Partly sunny and cols. Temps are to range from 41-49-34°F. Wind from the NW at 15-18-13 mph. Relative humidity is 45-35%. No precipitation is expected.

Total Volume Processed for period (11/24-11/29): 2,821,581 gallons

Plant Operating Hours: 120:00 hrs. **Total Downtime**: 0:00 hrs.

Reason for Downtime:
No downtime to report

Significant Operational Problems:
Influent pump remains off

Corrective Maintenance Performed:
Installed extended feet on sump pump and returned pump to service
Cleaned floors of carbon residue
Removed sludge from sump with M-8 pump
Started emptying sludge tank to press

Verbal/Written Instruction from Government Personnel:
No new instructions received

Inspections Performed and Results:
Conducted site safety inspection, there were no new safety or equipment issues.
Completed comprehensive site safety inspections

Record of any tests performed, samples taken, and personnel involved:
Completed plant sound level monitoring
Recorded process motor amp draws

Available Analytical Results:
No new results available.

Calibration Procedures Performed:
Sound Level meter was calibrated

General Remarks:
The plant operation has been steady. The injection well levels are stable as flows to them remain maximized. Influent flows are at ~372 gpm and effluent flows are averaging 391 gpm.

The plant will operate unmanned for the Thanksgiving holiday weekend.

End of the month documentation continues.

James Jackson (JSJ) and Peter Takach (PET) were on site.

Plant Manager Signature: Peter Takach, November 29, 2010

Attachments:

Daily Operating Log
Daily Activities Summary Report
Daily Site Safety Inspection Log
Sound Level Monitoring Worksheet
Sign In Sheet

cc: SAIC Program Manager
USACE Project Manager
File

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: J JACKSON Day: WEDNESDAY Date: 11-24-10 Time: 0505

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
186	186	372

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
390	0	26406

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am) T-1	T-2	T-3	T-4	Motor Amp Load	System Operating Hours
EW-1	334598	167220					64229
EW-2	274457	179130					58005
EW-3	251646	187050					62370

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.9	96	4772691	PLANT RAN FINE DURING THE
IW-2	125.8	92	4417959	Night.
IW-3	163.5	112	4701191	
IW-4	153.4	83	3976785	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	75487	NM	2	6	
INF 2	74274		3	6	
INF 3	26752		SB	SB	STAND-BY
ASF 1	42394		SB	SB	STAND-BY
ASF 2	50040		0	30	
ASF 3	48866		0	32	
GAC 1	46696		SB	SB	STAND-BY
GAC 2	49111		3	15	
GAC 3	34167		4	16	
REC 1	21940		OFF	OFF	
REC 2	20743		OFF	OFF	
INJ 1	66429		6	21	
INJ 2	40387		6	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP		V			
BLOWER					

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	10	11
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.8	
Air Temp (°F)	55°	55°
Water Temp (°F)		
V-GAC #1 (H_2O")	2.65	0.00
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.62	
Reactor Tank 2	5.08	
AS. Feed	6.41	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13 3/4"	
Treat. Train 2	13 1/4"	

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby

NIS = Not in service

Supervisors Signature: Date 11-29-10

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: J.JACKSON Day: WEDNESDAY Date: 11-24-10 Time: 11:22

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
—	—	—

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
—	—	—

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am)				Motor Amp Load	System Operating Hours
		T-1	T-2	T-3	T-4		
EW-1						14.7	
EW-2						10.9	
EW-3						10.8	

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1				MOTOR
IW-2				AMPS
IW-3				
IW-4				ONLY

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1		1.4			
INF 2		1.4			
INF 3		NIS			
ASF 1		1.8			
ASF 2		4.9			
ASF 3		4.9			
GAC 1		1.9			
GAC 2		2.6			
GAC 3		2.2			
REC 1		1.5			
REC 2		1.8			
INJ 1		5.9			
INJ 2		6.9			
INJ 3		NIS			
SUMP		0.7			
BLOWER		3.2			

	INLET	OUTLET
GAC #1 (PSI)		
GAC #2 (PSI)		
AIR DRIER (PSI)		

AS Blower (H_2O")	
Air Temp (°F)	
Water Temp (°F)	
V-GAC #1 (H_2O")	
V-GAC #2 (H_2O")	

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1		
Reactor Tank 2		
AS. Feed		
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1		
Treat. Train 2		

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby

NIS = Not in service

Supervisors Signature: Date

DAILY ACTIVITIES SUMMARY REPORT
CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J. JACKSON DATE: 11-24-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • PLANT RAN FINE DURING THE NIGHT	
2)	
3) • THE DAILY OPERATOR'S LOG WAS COMPLETED	
4)	
5) • THE 5½" EXTENSION WERE PUT ON PLANT SUMP	
6) PUMP TO ELIVATE PUMP OVER THE CARBON AND	
7) SUMP FLOOR	
8)	
9) • PLANT HOUSEKEEPING DONE - UPPER & LOWER	
10) LEVELS WERE MOPPED	
11)	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • THE NOV. MAINTENANCE LOG WAS COMPLETED	
2) & E-MAILED TO PETER	
3)	
4) • THE AMP DRAWS WERE DONE	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter Rand 11-29-10

DAILY SITE SAFETY INSPECTION
CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11-24-10

Check all areas, process systems, and equipment for general unsafe conditions.
This is to include but is not limited to the observation of leaks, noise, abnormal function.

	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
Chemical Feed Skids				
POLYMER				NOT
CAUSTIC				
POTASSIUM PERMANGANATE				IN
HYDROCHLORIC ACID				SERVICE

		Valves	Tanks	COMMENTS (Include areas of leaks)
Process Tanks				
EQUALIZATION		✓	✓	OK
TREATED WATER		✓	✓	OK
REACTORS		✓	✓	OK
CLARIFIERS		✓	✓	OK
SAND FILTERS		✓	✓	OK
CARBON VESSELS (liq)		✓	✓	OK

	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
Process Systems				
INFLUENT	–	✓		#3 NOT IN SERVICE
SLUDGE SETTLER	✓	✓	✓	OK
RECYCLE	✓	✓	✓	OK
AIR STRIPPER FEED	✓	✓	✓	OK
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

	General Conditions and Comments
Floor and General Work Areas	
SLIP, TRIP, & FALL HAZARDS	ONE HOSE ON FLOOR
SHARP EDGES	NONE
PINCH POINTS	NONE
OTHER HAZARDS	NONE

	General Conditions and Comments
Air Compressor	
TANK	OK - RUNNING NEARLY ALL DAY
AFTER COOLER	OK
AIR DRIER	OK
MOTOR & COMPRESSOR	OK

	General Conditions and Comments
Air Stripper	
COLUMN	OK
BLOWER & BELTS	OK
CARBON VESSELS	OK

Notes and Comments:

SIGNED: _____ DATE: 11-29-10

Science Applications International Corp.
Claremont Polychemical Site
Old Bethpage, New York

Operations and Maintenance Document

SOUND MONITORING WORK SHEET

Day	FRIDAY
Date	NOV 24, 2010
Instrument ID	BRUEL&KJAER 93-20 #310
Battery Check	OK
Calibration Check	OK
Inspector	TAKACH

Area	Reading (dB)	Conditions	
Office	66-68	DOOR TO SHOP CLOSED	
HVAC Mezzanine	NM		
Clarifier Mezzanine	→ 82		*
Injection Pumps (at motors)	78-80		
AS Feed Pumps (at Motors)	→ 100	P&T 3	
Air Compressor Station	92-96		*
Air Stripper Tower Area	72-74		
AST Blower	82-84		
Paved Area	70-64	MOVING FROM BLOWER	
Shop	74-76		

Comments and Observations:
AIR COMPRESSOR ON DOORS CLOSED AST PUMP #3 ON

NM - Not Measured

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

WED

DATE: 11-24-16

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	720	OB	1548	
JAMES S. JACKSON	J. Jackson	0501	OPS	1330	HOME
RICHARD C. CRONCE					

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Thursday
Date: 11-25-10

The operation of the plant will continue unstaffed for the Thanksgiving weekend. Operators remain on call.

Weather Forecast (am):
Thurs: Partly sunny. Temps are to range from 35-47-42^{O}F. Wind from the WSW-SSE at 8-18 mph. RH at 50-80, chance of afternoon showers
Fri: Rain, temps- 40-56-34^{O}F, wind- 19>12 mph from SW, RH 75%
Sat: Sunny, temps- 35-45-34^{O}F, wind- 19>9 mph from west, RH 69%, no precipitation
Sun: Sunny, temps- 35-49-34^{O}F, wind- 22-13 mph from NW, RH 40%, no precipitation

Total Volume Processed for Day: not recorded

Plant Operating Hours: 96:00 hrs. **Total Downtime**: 00:00 hrs.

Reason for Downtime:
No downtime to report.

Significant Operational Problems:
None

Corrective Maintenance Performed:
None

Verbal/Written Instruction from Government Personnel:
No new instructions received

Inspections Performed and Results:
None

Record of any tests performed, samples taken, and personnel involved:
None

Available Analytical Results:
No new data received

Calibration Procedures Performed:
No calibrations required

General Remarks:

Plant Manager Signature: Peter Takach, November 24, 2010

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Monday
Date: 11-29-10

Weather Forecast (am): Sunny and cold. Temps are to range from 31-49-41^{o}F. Wind is from the NNW-SE at 2-5 mph. Relative humidity is 55-60% with no precipitation expected.

Total Volume Processed for Day: 569,604 gallons

Plant Operating Hours: 24:00 hrs. **Total Downtime**: 0:00 hrs.

Reason for Downtime:
No downtime to report

Significant Operational Problems:
Influent pump #3 remains inoperable

Corrective Maintenance Performed:
Cleaned and adjusted Reaction Tank pH electrodes.
Rotated process pumps from 2&3 to 1&2

Verbal/Written Instruction from Government Personnel:
USACE requested data on accidents and exposures at the plant for November 2010

Inspections Performed and Results:
Conducted site safety inspection, no new issues found.

Record of any tests performed, samples taken, and personnel involved:
The pH and temperature readings were taken from plant discharge stream
Plant air monitoring task was completed

Available Analytical Results:
Received the organic data from the October PW samples

Calibration Procedures Performed:
The lab pH meter was calibrated and logged in.
PID meter was calibrated and logged in
The process pH meters were calibrated

General Remarks:
The plant is running smoothly. Plant discharge flow is stable. Injection well levels are also stable.

End of the month documentation is underway

James Jackson (JSJ) was out Peter Takach (PET) was on site.

Plant Manager Signature: Peter Takach, November 30, 2010

Attachments:

Daily Operating Log
Daily Site Safety Inspection Log
Air Monitoring Log
Sign In Sheet

cc: SAIC Program Manager
USACE Project Manager
File

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: TAKACH Day: MONDAY Date: 11-29-10 Time: 8^00

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
186	186	372

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
392	NM	26697 @ 8^00

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am) T-1	T-2	T-3	T-4	VFD Motor ~~TS~~ Amp Load	System Operating Hours
EW-1	335431	162750	164880	166340	162777	168370	64313
EW-2	275374	179600	181820	183080	179080	185630	58089
EW-3	252610	187610	189970	191500	187310	194040	62454

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	163.0	95.1	48933681	
IW-2	125.6	91.6	44862880	
IW-3	163.6	111.8	47835588	
IW-4	154.2	81.7	40372896	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	75608		0	8.5	
INF 2	74395		0	10.0	
INF 3	28782		NIS	—	
ASF 1	42394		OL	—	
ASF 2	50161		0	30	
ASF 3	43387		0	31	
GAC 1	45696		OL	—	
GAC 2	49232		1.5	15	
GAC 3	34288		0.5	16	
REC 1	21940		SB	—	
REC 2	20743		SB	—	
INJ 1	66550		7	27	
INJ 2	40508		8	27	
INJ 3	NIS		NIS	—	
SUMP	NM		—	—	
BLOWER	16310	↓	—	—	

	INLET	OUTLET
GAC #1 (PSI)	10	10
GAC #2 (PSI)	11	11
AIR DRIER (PSI)	OL	—

AS Blower (H_2O")	4.8	
Air Temp (°F)	54	54
Water Temp (°F)		32
V-GAC #1 (H_2O")	2.65	0.15
V-GAC #2 (H_2O")	OL	—

pH	System Probe DAILY	Lab Meter WEEKLY	
Reactor Tank 1	5.163	5.33	ADJ
Reactor Tank 2	4.93	5.34	ADJ
AS. Feed	6.39	5.98	
PLANT DISCHARGE - pH		5.60	
PLANT DISCHARGE - Temp.		13°C	

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13.25	
Treat. Trein 2	13.0	

Additional comments:
A LOT OF WATER DRIPS ~ AIR DUCT RETURNS

NM = Not Measured
OL = Off Line
SB = Standby
NIS = Not in service

Supervisors Signature: [signature] Date 11-30-10

DAILY SITE SAFETY INSPECTION
CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11-29-10

Check all areas, process systems, and equipment for general unsafe conditions. This is to include but is not limited to the observation of leaks, noise, abnormal function.

Chemical Feed Skids

	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
POLYMER	—	—	—	OFF LINE
CAUSTIC	\		\	
POTASSIUM PERMANGANATE				
HYDROCHLORIC ACID				

Process Tanks

	Valves	Tanks	COMMENTS (Include areas of leaks)
EQUALIZATION	✓	✓	OK
TREATED WATER	✓	✓	OK
REACTORS	✓	✓	OK
CLARIFIERS	✓	✓	OK
SAND FILTERS	✓	✓	OK
CARBON VESSELS (liq)	✓	✓	OK

Process Systems

	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
INFLUENT	✓	✓		P3 DOWN
SLUDGE SETTLER	—	✓	✓	OK
RECYCLE	✓	✓	✓	OK
AIR STRIPPER FEED	✓	✓	✓	OK P3 NOISE
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

Floor and General Work Areas

	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	OK
SHARP EDGES	OK
PINCH POINTS	OK
OTHER HAZARDS	OK

Air Compressor

	General Conditions and Comments
TANK	OFF LINE
AFTER COOLER	
AIR DRIER	
MOTOR & COMPRESSOR	

Air Stripper

	General Conditions and Comments
COLUMN	OK DRIPS
BLOWER & BELTS	OK
CARBON VESSELS	OK

Notes and Comments:

SIGNED: [signature]

DATE: 11-30-10

AIR MONITORING LOG
CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler JAKE H Date 11-29-10

Calibration Standard(s) ISOBUTYENE 100ppm

Post-cal Readings 100

Location		Reading (ppm)
CONTROL ROOM		
	Laboratory	0.0
	Bathroom	0.0
	Office	0.0
PLANT		
	Influent Area	0.0
	Sludge Storage Area	0.0
	Sand Filter Area	0.0
	Air Compressor Area	0.0
	Sludge Press Area	0.0
EXTERIOR		
	Storage Tanks	0.0
	Upper (South West) Lot	0.0
	Lower (South East) Lot	0.0
	Air Stripper Area	0.0
	Back (North)	
GAC VESSELS		
	#1 Influent	0.0
	#1 Effluent	0.0
	#2 Influent	OL
	#2 Effluent	OL

Comments:

POT

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

Mon
DATE: Nov 29

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	735	OPS	1525	
JAMES S. JACKSON					
RICHARD C. CRONCE	RCC				

DAILY QUALITY CONTROL REPORT
O&M OF GROUNDWATER TREATMENT SYSTEM
CLAREMONT POLYCHEMICAL TREATMENT SYSTEM
OLD BETHPAGE, NEW YORK
Contract No. W912 DQ-07-D-0044-0001

Day: Tuesday
Date: 11-30-10

Weather Forecast (am): Partly sunny and warmer. Temps are expected to be 44-56-51°F. Wind will come from the ESE-SE at 8-15-12 mph. Relative humidity is 85% with rain expected in afternoon.

Total Volume Processed for Day: 556,210gallons

Plant Operating Hours: 24:00 hrs. **Total Downtime**: 00:00 hrs.

Reason for Downtime:
No downtime to report

Significant Operational Problems:
Influent Pump #3 remains off line

Corrective Maintenance Performed:
Dried press with compressed air and started emptying cake to drums.
Consolidated carbon waste drums

Verbal/Written Instruction from Government Personnel:
USACE requested data on accidents and potential exposures at plant for November

Inspections Performed and Results:
Site safety inspection was completed. There is nothing new to report.

Record of any tests performed, samples taken, and personnel involved:
No tests performed or samples taken

Available Analytical Results:
No new data is available.

Calibration Procedures Performed:
No calibrations required.

General Remarks:
The plant is stable at current flow levels. Influent flow is at 372 gpm and plant discharge is 390.

End of the month documentation has started.
General O&M activities continue.

James Jackson (JSJ) was out, Peter Takach (PET) was on site today.

Plant Manager Signature: Peter Takach, December 1, 2010

Attachments:

Daily Operating Log
Daily Site Safety Inspection Log
Sign In Sheet

cc: SAIC Program Manager
USACE Project Manager
File

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: TAKACH Day: TUESDAY Date: 11-30-10 Time: 720

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
186	186	372

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
391	NM	26754 @ 811

Extraction Wells	Signet Flow Meter Total Volume	TOTAL EXTRACTED GALLONS (HMI - Flow Data) (12:00 am to 12:00 am) T-1	T-2	T-3	T-4	Motor Amp Load	System Operating Hours
EW-1	335593	167720	\	\	\	NM	64327
EW-2	278558	185200				\	SB104
EW-3	252803	193770					62468

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	163.0	95.3	98571843	
IW-2	125.6	92.8	94996591	
IW-3	166.2	113.2	97996456	
IW-4	154.4	80.6	80490506	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	75630	NM	1.5	8.5	
INF 2	74417		2	10	
INF 3	28782		OL	—	
ASF 1	42412		0	30.5	
ASF 2	50183		0	30.0	
ASF 3	43391		OL	—	
GAC 1	45714		0.5	17	
GAC 2	49254		1.0	14.5	
GAC 3	39292		OL	—	
REC 1	21940		SB	—	
REC 2	20743		SB	—	
INJ 1	66572		7	27	
INJ 2	40530		9	27	
INJ 3	—		NIS	—	
SUMP	—		NM	—	
BLOWER	16332	↓	NM	—	

	INLET	OUTLET
GAC #1 (PSI)	10	10
GAC #2 (PSI)	11	11
AIR DRIER (PSI)	OL	—

AS Blower (H_2O")	9.8	
Air Temp (°F)	55	55
Water Temp (°F)		45
V-GAC #1 (H_2O")	2.60	0.10
V-GAC #2 (H_2O")	OL	—
	125	115

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.22	NM
Reactor Tank 2	5.34	↓
AS. Feed	6.39	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13.25	
Treat. Train 2	13.0	

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby
NIS = Not in service

Supervisors Signature: [signature] Date 12-1-10

DAILY SITE SAFETY INSPECTION
CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11-30-10

Check all areas, process systems, and equipment for general unsafe conditions.
This is to include but is not limited to the observation of leaks, noise, abnormal function.

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
POLYMER	—	—	—	SYSTEMS OFF LINE
CAUSTIC	\	\	\	\
POTASSIUM PERMANGANATE	\	\	\	\
HYDROCHLORIC ACID	\	\	\	\

Process Tanks	Valves	Tanks	COMMENTS (Include areas of leaks)
EQUALIZATION	✓	✓	OK
TREATED WATER	✓	✓	OK
REACTORS	✓	✓	OK
CLARIFIERS	✓	✓	OK
SAND FILTERS	✓	✓	OK
CARBON VESSELS (liq)	✓	✓	OK

Process Systems	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
INFLUENT	✓	✓		OK P3 DOWN
SLUDGE SETTLER	✓	✓	✓	OK
RECYCLE	✓	✓	✓	OK DRIP AT DRAIN VALVE
AIR STRIPPER FEED	✓	✓	✓	OK
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	OK
SHARP EDGES	OK
PINCH POINTS	OK
OTHER HAZARDS	OK

Air Compressor	General Conditions and Comments
TANK	OK
AFTER COOLER	OK
AIR DRIER	OK
MOTOR & COMPRESSOR	OK

Air Stripper	General Conditions and Comments
COLUMN	OK
BLOWER & BELTS	OK
CARBON VESSELS	OK

Notes and Comments:

SIGNED: [signature]

DATE: 12-1-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: TUESDAY 11-30-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	715	OPS	1550	
JAMES S. JACKSON					
RICHARD C. CRONCE					