OCTOBER 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: November 4, 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 October 2010, the period defined as 0600 hours, October 1, 2010, through 0600 hours, November 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 31 days in the October reporting period with 270 minutes of downtime for the backwashing of the carbon adsorber (CA) vessels.

A copy of Project Status Report No. 40 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. Storm damage was cleaned up around plant.
- 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 check valve on air stripper feed (ASF) pump 3 was taken apart and examined for problems. The sealing disc stem is corroded, along with several other parts which require replacement.
- The pump-to-motor coupling for influent pump 3 was replaced and the motor aligned.
- Both CA vessels were air sparged and back washed through two cycles each.
- Preventive maintenance tasks were performed on the snowplow pump. The oil was changed.
- The outdoor tank level monitors were heat traced and insulated.
- Preventive maintenance tasks were completed on the heating, ventilation, and air conditioning (HVAC) unit.
- The filter press was filled and cleaned.

- The Aero-Tech M-8 pump was rebuilt and used to remove carbon from recycle tank and the floor sump.

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

- No SAIC support was on-site this period.

3.2 Manufacturing Representatives

- Richard Burke of Ligero Energy was on-site to propose an alternative natural gas supplier. The proposal paperwork was forwarded to Harrisburg.

3.3 Subcontractors and Deliveries

- Mail was delivered on six occasions.

- FedEx delivered the Analytical Laboratory Services, Inc. (ALSI) bottle order.
- FedEx returned sampling coolers twice.

3.4 Visitors

- Din Weng of the Town of Oyster Bay laboratory was in to drop off sample bottles.

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 October 2010.

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 collected during October. Water quality data were not collected as the groundwater sampling event did not occur. The database has been updated, and the water elevation data are provided in Table 6-1.

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 October 2010, as measured from 0600 hours on October 1, 2010, to 0600 hours on November 1, 2010, was 17,358,757 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 82,474,346 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 October was 389 gallons per minute (gpm) and 559,960 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 October are indicated below:

Injection Well System	Flow Average (gpm)	Volume Discharged (Gallons)
IW-1	95	4,241,430
IW-2	94	4,199,000
IW-3	112	5,005,810
IW-4	80	3,584,700
System	382	17,030,940

There is a discrepancy between the total of the individual flows with that of the plant discharge flowmeter of ~7 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 being devised.

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. Both vessels were air sparged and then backwashed through two cycles each in October. 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 water treatment sludge was collected or disposed of during this period.
- Nonhazardous carbon sludge from the backwash operation was collected in the floor drain sump in October.
- Five partially filled drums 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 October.

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 plant discharge (PD) manifold.
- Determine disposition of ASF pump 3.
- 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 October, the following revisions were made:

- Horiba Calibration Log Sheet (CPS-Form-026) to revision level C.
- Horiba Calibration Procedure (CPS-GPO-008) to revision level B.
- Horiba Operation Procedure (CPS-GPO-009) to revision level B.
- 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 United States Army Corps of Engineers (USACE) contractual requirements.

Quarterly groundwater (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 October included:

- The PD was sampled on four occasions for pH and temperature.
- The quarterly PW sampling task was completed October 13. The organic and inorganic samples were shipped to the Division of Environmental Science and Assessment (DESA) laboratory for analysis. The generic samples were shipped to ALSI for analysis.
- An Analytical Services Request (ASR) was submitted for the November PD sampling task. The EPA assigned the DESA laboratory for the organic samples.
- The quarterly GW task normally scheduled for October was cancelled as per the revised and extended operational activities.

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)
October 4, 2010	6.48	15
October 12, 2010	5.37	15
October 18, 2010	5.42	14
October 25, 2010	6.49	14
Monthly Average	**5.94**	**14.5**

The NYSDEC discharge permit requires the PD to have an average monthly pH greater than 5.50. Although two sample readings are below this point, 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 October 14, 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, 75 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 October, 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 October 21. 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 operating near its baseline. Well #3 is stable, and IW-1 shows continued improvement. IW-2 appears stable (readings are interpolated up to 30 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. The pump for well #1 failed in October, and the overload relay had to be manually reset. It is back on-line.

All three influent pumps are operational and are rotated into service two at a time:

- The motor-to-pump coupling on pump 3 was replaced and the motor realigned.
- October'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 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 October, 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 disassembled and cleaned. The sealing disc has corroded and will require replacement. The valve operate as a flow through valve.

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. The differential pressures in both vessels were rising, resulting in the backwashing of each vessel.

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 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 October. Routine maintenance tasks continue.

FIGURES

Figure 7-1. Actual Versus Treated Water Goal

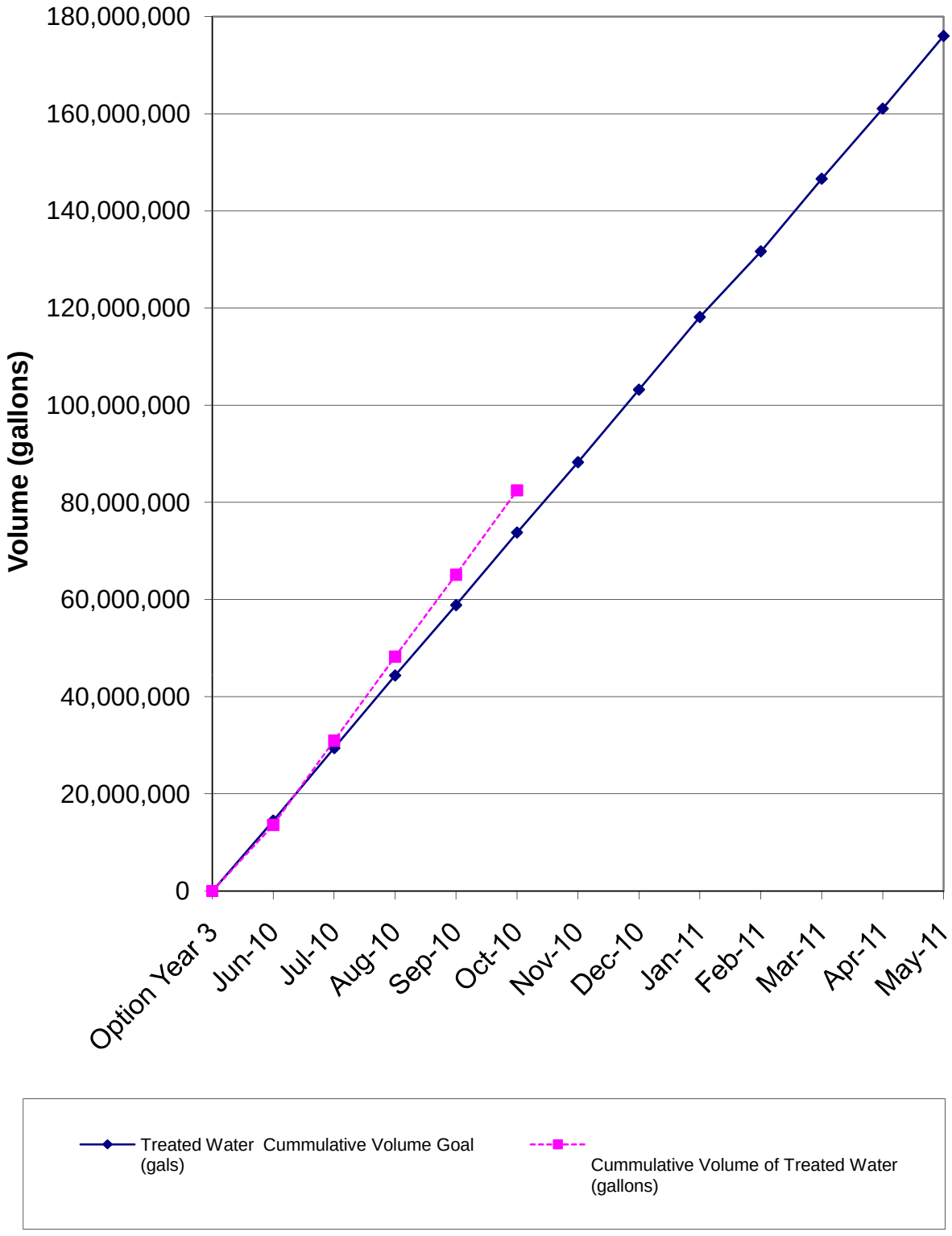


Figure 15-1 Injection Well Elevations and Daily Flow

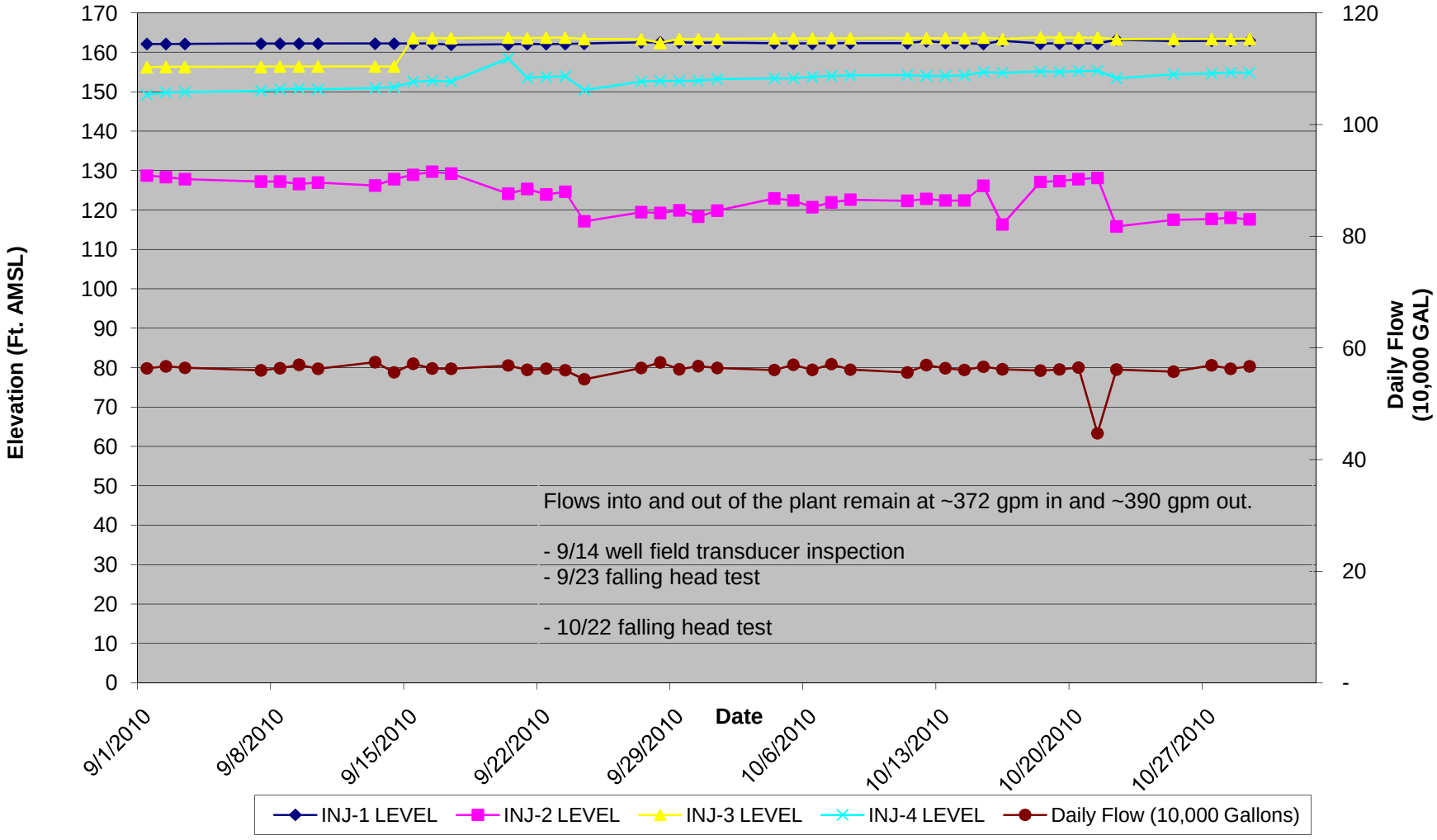


Figure 15-2 Injection Well Falling Head Test October 21, 2010

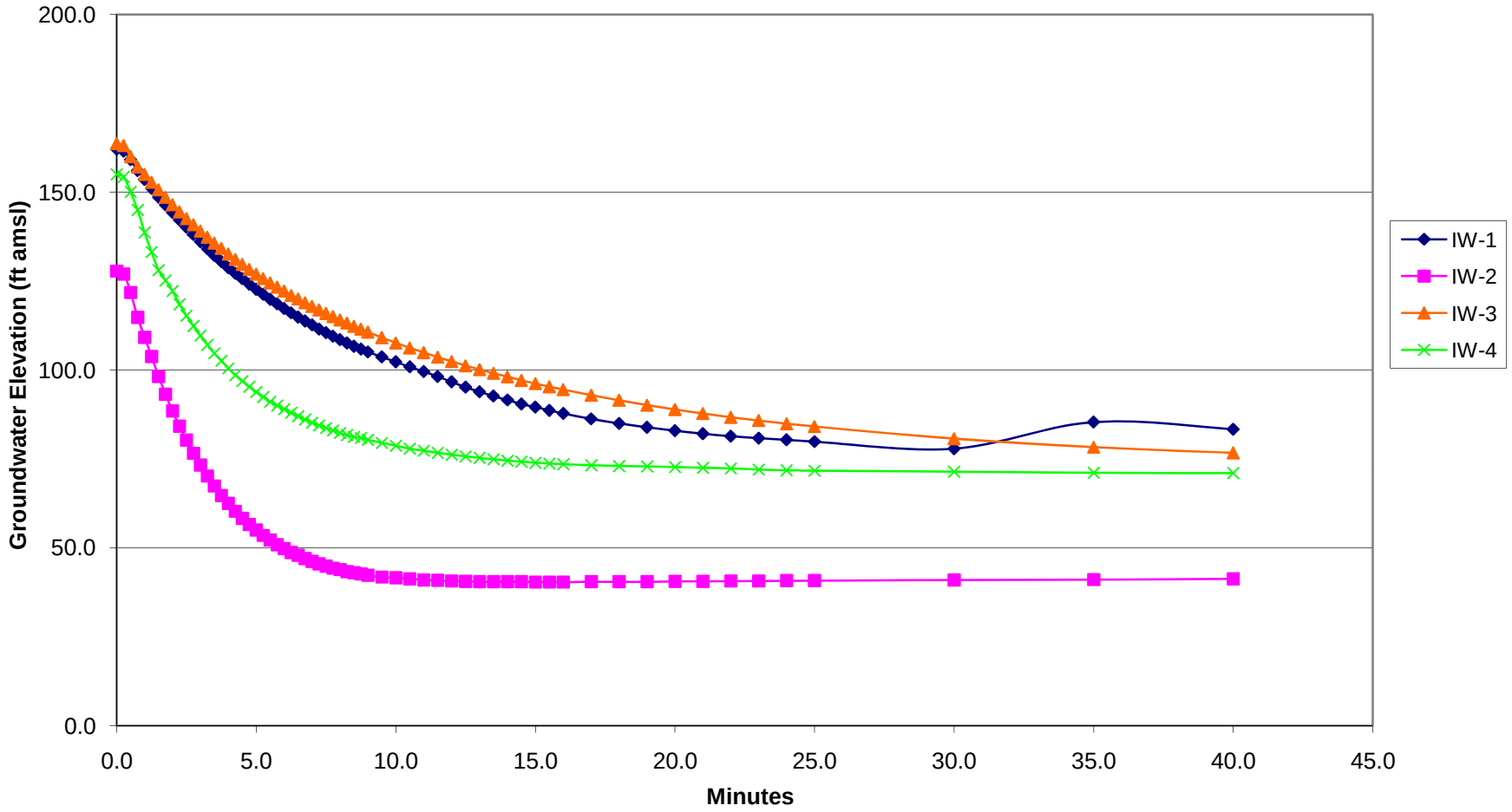
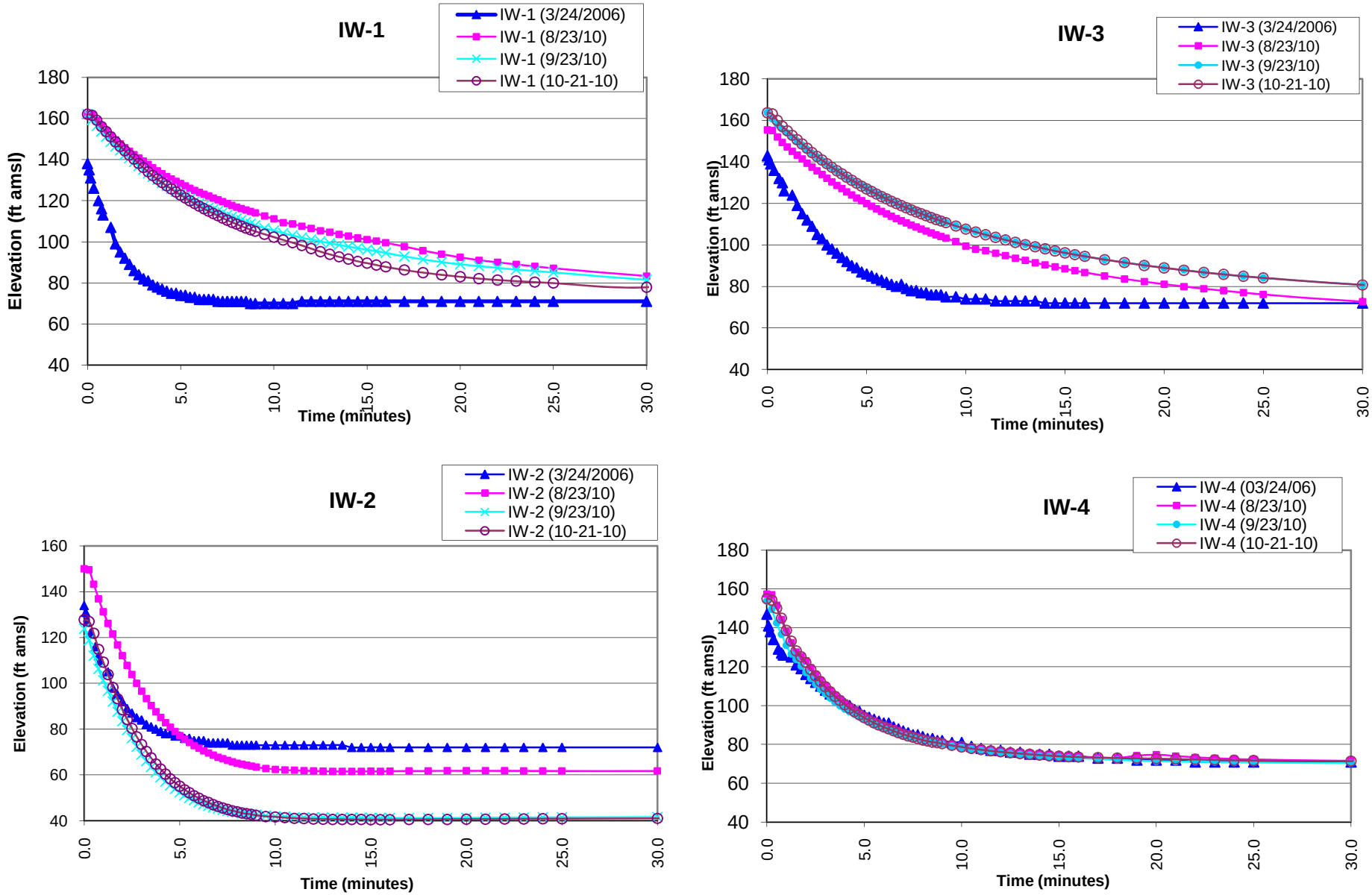


Figure 15-3 Comparison of Post-Redevelopment and March 2006 Falling Head Tests



TABLES

Table 2-1 Maintenance Log
Claremont Polychemical Superfund Site
Old Bethpage New York
October 2010

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

SYSTEM	UNITS	EQUIPMENT	ACTION	FREQUENCY	4-Oct	11-Oct	18-Oct	25-Oct	COMMENTS
EXTRACTION WELLS									
new motor installed in #2 6/18/10	3	PUMPS	HOUR READINGS	DAILY	FF	FF	FF	FF	
new pump and motor in #1 on 7/22/10	3	MOTORS	AMP DRAW	MONTHLY	-	-	-	complete	Amp Draws taken 10/29
EQUALIZATION TANK	1	TANK	INSPECT	DAILY	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	INSPECT(last 10/06)	MONTHLY	-	-	-	-	
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	MONTHLY	FF	-	-	-	
pumps and trays painted 4/10	3	PUMPS	INSPECT	WEEKLY	FF	FF	FF	FF	
new pump head installed P-3 10/08	3	PUMP MOTORS	INSPECT	MONTHLY	FF	-	-	-	pumps rotated 3 times in October
P#2 mech. seal installed 12/09			LUBRICATE	MONTHLY	FF	-	-	-	
			AMP DRAW	MONTHLY	-	-	-	complete	Amp Draws taken 10/29
	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	Valves normally open
	2	MAGNETIC FLOW METERS	INSPECT	WEEKLY	FF	FF	FF	FF	
			CALIBRATE	AS NEEDED	FF	FF	FF	FF	not necessary
	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	CHECK ACCURACY	WEEKLY	FF	FF	FF	FF	checked weekly vs lab meter
			INSPECT	MONTHLY	cleaned	cleaned	cleaned	cleaned	inspected and cleaned as needed
			CALIBRATE	MONTHLY	cal'd	cal'd	cal'd	cal'd	last calibrated 10/25
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	CHECK ACCURACY	WEEKLY	FF	FF	FF	FF	checked weekly vs lab meter
			INSPECT	MONTHLY	cleaned	cleaned	cleaned	cleaned	inspected and cleaned as necessary
			CALIBRATE	MONTHLY	cal'd	cal'd	cal'd	cal'd	Last calibrated 10/25
CAUSTIC FEED		Bulk Chemical - drums	INVENTORY	WEEKLY	7	7	7	7	ok
	1	POLY TANK	INSPECT	WEEKLY	-	-	-	-	System holds water but is off line
system last tested 05/10			CLEAN	AS NEEDED	-	-	-	-	not necessary
	1	MIXER	INSPECT	WEEKLY	-	-	-	-	
(pump 1 new 10/2/07)	2	PUMPS	INSPECT	WEEKLY	-	-	-	-	system all ok.
		PIPING / TUBING	INSPECT	WEEKLY	-	-	-	-	
			CLEAN	AS NEEDED	-	-	-	-	
POLYMER FEED		Bulk Chemicals -bags	INVENTORY	WEEKLY	0	0	0	0	The polymer feed system is currently offline. 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.
	2	POLY TANK	INSPECT	MONTHLY	-	-	-	-	
system last tested 05/09	2	MIXER	INSPECT/EXERCISE	MONTHLY	-	-	-	-	
			CLEAN	AS NEEDED	-	-	-	-	
	2	DRAIN VALVE	EXERCISE	MONTHLY	-	-	-	-	
	2	WATER SUPPLY VALVES	EXERCISE	MONTHLY	-	-	-	-	

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

SYSTEM	UNITS	EQUIPMENT	ACTION	FREQUENCY	4-Oct	11-Oct	18-Oct	25-Oct	COMMENTS
	1	WATER FILTER	INSPECT	MONTHLY	-	-	-	-	
	3	PERISTALTIC PUMPS	EXERCISE	MONTHLY	-	-	-	-	
	19	SYSTEM VALVES	EXERCISE	MONTHLY	-	-	-	-	
POTASSIUM PERMANGANATE FEED		Bulk Chemicals	INVENTORY	WEEKLY	0	0	0	0	The potassium permangante feed system is currently off-line. The system requires replacement of PLC control system to be operational. Repair work is scheduled. Flange gasket on tank drain was replaced 8/24/10. System not retested for leaks.
	1	POLY TANK	INSPECT	MONTHLY	-	-	-	-	
	1	MIXER	INSPECT/EXERCISE	MONTHLY	-	-	-	-	
			CLEAN	AS NEEDED	-	-	-	-	
	1	DRAIN VALVE	EXERCISE	MONTHLY	-	-	-	-	
	2	METERING PUMPS	INSPECT	MONTHLY	-	-	-	-	
	7	SYSTEM VALVES	EXERCISE	MONTHLY	-	-	-	-	
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	last cleaned Sept. 2010
			CLEAN	WEEKLY	-	-	-	-	
Unit was emptied and cleaned 5/09	2	SLUDGE PUMPS	INSPECT	WEEKLY	-	-	-	-	idle, no sludge is being generated
baffels last cleaned 02/10			EXERCISE	MONTHLY	-	-	-	-	
Pumps tested 6/10	3	SAMPLE PORT VALVES	EXERCISE	WEEKLY	-	-	-	-	
	1	DRAIN VALVE	EXERCISE	MONTHLY	-	-	-	-	tank is full, valve not tested, no leaks
	1	WEIRS	INSPECT	WEEKLY	FF	FF	FF	FF	cleaned as needed
CLARIFIER # 2	1	BAFFLES	INSPECT	WEEKLY	FF	FF	FF	FF	last cleaned Sept. 2010
Unit was emptied and cleaned 5/09			CLEAN	WEEKLY	-	-	-	-	
baffels last cleaned 02/10	2	SLUDGE PUMPS	INSPECT	WEEKLY	-	-	-	-	idle, no sludge is being generated
Pumps tested 6/10			EXRECISE	MONTHLY	-	-	-	-	
	3	SAMPLE PORT VALVES	EXERCISE	WEEKLY	-	-	-	-	
	1	DRAIN VALVE	EXERCISE	MONTHLY	-	-	-	-	System holds water, no leaks
	1	WEIRS	INSPECT	WEEKLY	FF	FF	FF	FF	
SAND FILTER # 1	4	DRAIN VALVES	EXERCISE	MONTHLY	-	-	-	-	System holds water, no leaks
Unit was emptied and cleaned 5/09	8	RISERS	INSPECT	WEEKLY	FF	FF	FF	FF	air sparged and brushed as needed
SAND FILTER # 2	4	DRAIN VALVES	EXERCISE	MONTHLY	-	-	-	-	System holds water, no leaks
Unit was emptied and cleaned 5/09	8	RISERS	INSPECT	WEEKLY	FF	FF	FF	FF	air sparged and brushed as needed
PNEUMATIC SYSTEM	1	AIR COMPRESSOR MOTORS	CHECK OIL LEVEL	WEEKLY	FF	off	off	off	System is off line and is activated as needed. Oil and filters changed sept 2010
(off line 1/08)			CHANGE OIL / FILTER	QUARTERLY	FF	off	off	off	
last changed 1/06	2	COMPRESSOR AIR FILTER	INSPECT	WEEKLY	FF	off	off	off	
chamber rebuilt 3/20/09			CHANGE	QUARTERLY	FF	off	off	off	changed sept 2010

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

SYSTEM	UNITS	EQUIPMENT	ACTION	FREQUENCY	4-Oct	11-Oct	18-Oct	25-Oct	COMMENTS
#1 belts changed 11/21/07	2	COMPRESSOR BELTS	CHECK BELT TENSION	WEEKLY	FF	off	off	off	
			CHANGE	AS NEEDED	FF	off	off	off	as necessary
	1	AIR COMP. TANK	INSPECT	WEEKLY	FF	off	off	off	
control panel circuit breaker replaced 3-17-09			CHECK DRAIN / FILTER	DAILY	FF	off	off	off	auto valve is operational
	2	AIR COMP. TANK VALVES	EXERCISE	MONTHLY	FF	off	off	off	
	8	PRESSURE RELIEF VALVES	INSPECT	WEEKLY	FF	off	off	off	
	3	AFTER COOLER VALVES	EXERCISE	MONTHLY	FF	off	off	off	
	1	AFTER COOLER DRAIN	INSPECT	DAILY	FF	off	off	off	auto valve is operational
	4	AIR DRYER VALVES	EXERCISE	MONTHLY	FF	off	off	off	
repaired 2/7/07	1	AIR DRYER DRAIN	INSPECT	WEEKLY	FF	off	off	off	auto valve is operational
replaced 1/27/06	2	COALESING FILTER	DRAIN	AS NECESSARY	FF	off	off	off	as necessary
			Cartridge	AS NECESSARY	FF	off	off	off	filter replaced Sept 2010
	4	COALESIG FILTER VALVES	EXERCISE	MONTHLY	FF	off	off	off	
	15	PLANT REGULATORS/TRAPS	DRAIN	AS NECESSARY	FF	off	off	off	as necessary
AIR STRIPPER FEED	2	TANK	INSPECT	WEEKLY	FF	FF	FF	FF	holding water with no leaks
probe replaced 7/08	1	pH PROBE	CHECK ACCURACY	WEEKLY	FF	FF	FF	FF	
removed and cleaned 5/28/10			CALIBRATE	AS NEEDED	-	-	-	-	electrode removed and cleaned, not taking cal.
pumps and trays painted 4/10	2	pH PROBE VALVES	EXERCISE	MONTHLY	FF	-	-	-	
	3	PUMPs	INSPECT	WEEKLY	FF	FF	FF	FF	inspected daily, pumps rotated 3 times in October
	3	PUMP MOTORs	INSPECT	WEEKLY	FF	FF	FF	FF	amp draws taken 10/29
			LUBRICATE	AS NEEDED	FF	FF	FF	FF	pump 3 exhibits high pitch whine
	3	CHECK VALVES	LUBRICATE	MONTHLY	OK	OK	OK	OK	valve 3 missing disc and arm
			INSPECT	QUARTERLY	-	-	-	-	continue to pose pump start-up problems
actuators removed 6/07	1	FLOW CONTROL VALVES	INSPECT	WEEKLY	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	
	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	MONTHLY	FF	FF	FF	FF	exercised during pH probe checks
HYDROCHLORIC FEED		Bulk Chemistry - plastic drums	INVENTORY	WEEKLY	1	1	1	1	The hydrochloric acid feed system is currently offline and out of service. Equipment is checked 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.
	1	MIXER	INSPECT	MONTHLY	NR	NR	NR	NR	
system tested 5/09			CLEAN	AS NEEDED	-	-	-	-	
pump2 replaced 7/07	2	PUMPS	INSPECT	MONTHLY	-	-	-	-	
calibration column valves replaced 11/09		PIPING / TUBING	INSPECT	MONTHLY	-	-	-	-	
			CLEAN	AS NEEDED	-	-	-	-	
AIR STRIPPER TOWER	1	FIBERGLASS TOWER (painted 5/08)	INSPECT	WEEKLY	FF	FF	FF	FF	
heater switched off Mar-2010	1	HEATER (painted 8/10)	INSPECT	WEEKLY	-	-	-	-	heater duct painted 8/10
Tower power washed and painted 5/08	1	GAUGES / TUBING	INSPECT	WEEKLY	FF	FF	FF	FF	drained of moisture, replaced as required
			DRAIN CONDENSATE	AS NEEDED	-	-	-	-	drained as required
Bx-80 belts replaced 10/28/09	1	BLOWER	INSPECT BELTS	WEEKLY	FF	FF	FF	FF	amp draws taken 10/29
last greased 8/31/10			GREASE BEARINGS	MONTHLY	FF	-	-	-	

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

SYSTEM	UNITS	EQUIPMENT	ACTION	FREQUENCY	4-Oct	11-Oct	18-Oct	25-Oct	COMMENTS
	1	Blower Magnehelic	INSPECT	WEEKLY	FF	FF	FF	FF	
	1	SUMP	DRAIN	AS NEEDED	-	-	-	-	
		OFF GAS PIPING	INSPECT	WEEKLY	FF	FF	FF	FF	
	2	OFF GAS PIPING VALVES	EXERCISE	MONTHLY	FF	-	-	-	
VAPOR GAC UNITS	4	GAUGES	INSPECT	DAILY	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	
			REPLACE	AS NEEDED	-	-	-	-	
AQUEOUS GAC FEED	3	PUMP	INSPECT	WEEKLY	FF	FF	FF	FF	
pumps and trays painted 4/10	3	PUMP MOTORS	INSPECT/ROTATE	WEEKLY	FF	FF	FF	FF	inspected daily, rotated 3 times in October
New PG (P-2 out) 9/08			LUBRICATE	AS NEEDED	FF	-	-	-	
			AMP DRAW	MONTHLY	-	-	-	-	Amp Draws taken 10/29
	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	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	INSPECT	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	exercised during backwash operations
	2	PRESSURE RELIEF VALVES	INSPECT	MONTHLY	FF	-	-	-	last backwashed 10/21/10
	3	BACKWASH VALVES	EXERCISE	MONTHLY	FF	FF	FF	FF	
weld repairs 5/28/10	2	EFFLUENT VALVES	EXERCISE	MONTHLY	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	electrical hook up of Pump #3 scheduled
pumps and trays painted 4/10	3	PUMP MOTORS	INSPECT	WEEKLY	FF	FF	FF	FF	
tanks cleaned 04/10			LUBRICATE	AS REQUIRED	-	-	-	-	
			AMP DRAW	MONTHLY	-	-	-	-	Amp Draws taken 10/29
IW-3 pipe repaired 1/10	4	Injection Wells	Inspect	AS NECESSARY	FF	FF	FF	FF	Falling head tests completed 10/21 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	-	-	-	

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	4-Oct	11-Oct	18-Oct	25-Oct	COMMENTS
	1	BACKWASH FEED VALVE	EXERCISE	MONTHLY	FF	FF	FF	FF	exercised during backwash operations
insulated 10/10	2	Level Monitor	INSPECT	WEEKLY	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	leak at elbow
on-line 12/09	4	IW Flow Meters	INSPECT	WEEKLY	FF	FF	FF	FF	
	8	METER ISOL. VALVES	EXERCISE	MONTHLY	FF	FF	FF	FF	full open
FLOOR DRAINS & PIT	1	SUMP PIT W/ PUMP	INSPECT	WEEKLY	FF	FF	FF	FF	
	12	FLOOR DRAINS	INSPECT	WEEKLY	FF	FF	FF	FF	clear
sump & Pre sump cleaned 9/10	2	FLOW CONTROL VALVES	EXERCISE	MONTHLY	FF	FF	FF	FF	exercised during backwash operations
RECYCLE SYSTEM	2	PUMPS	INSPECT	WEEKLY	FF	FF	FF	FF	
pumps and trays painted 4/10		PUMP MOTORS	INSPECT	WEEKLY	FF	FF	FF	FF	system spends most time in standby mode
			LUBRICATE	AS REQUIRED	-	-	-	-	carbon removed from tank 10/28
			AMP DRAW	MONTHLY	-	-	-	-	Amp Draws taken 10/29
	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	
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	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	
	2	LEVEL INDIC. VALVE	EXERCISE	MONTHLY	FF	-	-	-	
SLUDGE PRESS	1	SLUDGE PRESS	INSPECT	MONTHLY	NR	-	-	-	operated as necessary,
			EXERCISE	MONTHLY	NR	-	-	-	slight leak in hydraulic control panel
	1	INFLUENT VALVE	EXERCISE	MONTHLY	NR	-	FF	FF	
	4	EFFLUENT VALVES	EXERCISE	MONTHLY	NR	-	FF	FF	
HVAC &	1	MOTOR	INSPECT	ANNUALLY	NR	-	-	-	last inspection 10/10
AIR HANDLING UNIT	3	BELTS	INSPECT	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/replace	AS NEEDED	NR	-	-	-	last changed 2/08
	1	BEARING (NORTH)	LUBRICATE	SEMI-ANNUALLY	NR	-	-	-	last lubbed 10/10
CONTROL ROOM	1	MCC UNIT	CHECK LIGHTBULBS	WEEKLY	-	-	-	-	several sockets need replacement
	20	Ceiling	CHECK LIGHTBULBS	WEEKLY	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 function	AS NEEDED					Bulbs are replaced as necessary
	5	exit lights	check function	AS NEEDED	FF			FF	Bulbs are replaced as necessary
	3	fluorescent lights	check function	AS NEEDED					Bulbs are replaced as necessary

COMMENTS:

FF - FULLY FUNCTIONAL
IOS - INTENTIONALLY OUT OF SERVICE
NS - NEEDS SERVICE (NORMAL MAINTENANCE)
RR - REPAIRS REQUIRED
NR - NOT REQUIRED
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																	
IG-3[j]	194455.720	2155354.682																	

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[l]	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[l]	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[l]	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[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 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			Permane
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[f]																								
IG-3[f]																								
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	12-Oct-10	nm	#VALUE!
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	12-Oct-10		#VALUE!
MW-8B	66.10	68.14	12-Oct-10		#VALUE!
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	12-Oct-10		#VALUE!
BP-3B	62.21	61.36	12-Oct-10		#VALUE!
BP-3C	62.30	61.38	12-Oct-10		#VALUE!
RW-01	abandoned			abandoned	
EX-1	79.20	55.11	26-Jul-10		#VALUE!
EX-2	87.10	59.15	20-Jul-10		#VALUE!
EX-3	107.22	53.47	20-Jul-10		#VALUE!
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

October 2010

DATE	TOTALIZER READING	GALLONS PER DAY	GALLONS PER MINUTE
10/1/2010	233863850	1726150	400
10/4/2010	235590000	560000	389
10/5/2010	236150000	570000	396
10/6/2010	236720000	560000	389
10/7/2010	237280000	570000	396
10/8/2010	237850000	1650000	382
10/11/2010	239500000	600000	417
10/12/2010	240100000	570000	396
10/13/2010	240670000	560000	389
10/14/2010	241230000	560000	389
10/15/2010	241790000	1700000	394
10/18/2010	243490000	570000	396
10/19/2010	244060000	550000	382
10/20/2010	244610000	560000	389
10/21/2010	245170000	450000	313
10/22/2010	245620000	1690000	391
10/25/2010	247310000	560000	389
10/16/2010	247870000	560000	389
10/27/2010	248430000	560000	389
10/28/2010	248990000	570000	396
10/29/2010	249560000	1662607	385
11/1/2010	251222607		
Oct. 2010 TOTAL TREATED WATER		**17,358,757**	
Oct. 2010 AVERAGE GALLONS PER MINUTE DISCHARGED			**402**

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
Change 6/17/04 to present		**102.60**		**6.85**		**4.10**		**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		**76.60**		**0.37**		**0.50**		**0.98**

APPENDIX A

Project Status Reports

Project Status Report No. 40
Long Term Response Action (LTRA) Contract W912 DQ-07-D-0044-0001
Science Applications International Corporation
Date: October 25, 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 October 1, 2010 through October 24, 2010. This represents the fortieth status report under SAIC's Long Term Response Action (LTRA) contract W912 DQ-07-D-0044-0001.

Quantity of Water Treated

Approximately 13.4 million gallons of groundwater were treated during this 24 day period. This equates to 560,256 gallons per day of continuous water treatment at an average treatment rate of ~389 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. The plant was shut down for 270 minutes this month to complete the backwashing of the carbon adsorber vessels.

General Activities and Events

This Reporting Period

- Site activities involved normal GWTP operations, maintenance and inspections.
- This month the plant experienced severe wind and rain storms. There were several momentary power interruptions in which the plant automatically reset.

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 September was completed and submitted with associated documents.

Upcoming

- Submit this October Progress Report with related documents.
- Submit October 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 three times during this period as part of the preventive maintenance (PM) task.
- The check-valve for ASF pump 3 was disassembled and inspected. The disk and lever arm have corroded and require replacement. The valve was closed up and returned to service with out the disk.
- On INF Pump 3 the motor to pump drive coupling was replaced and the pump was returned to service.
- The on-hand small parts supply was inventoried and labeled.
- The annual NYS Motor Vehicle inspection of the plant truck was completed.
- Both carbon adsorber vessels were air sparged and backwashed through two cycles each.
- The pH electrode for the ASF line was removed, cleaned, and manually calibrated with standard solutions. The system continues to show and E2 – asymmetry potential error.
- Influent pump 3 failed. After checking, the pump was started.

Upcoming

- 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

- As part of the revised extended plant operations, the groundwater sampling task was not performed this month as would normally be scheduled. The next quarterly sampling event is scheduled for April 2011.

- The plant process water sampling task was completed on 10/13, with organic and inorganic samples shipped to DESA lab and generic samples sent to ALSI
- The plant discharge was sampled for temperature and pH on 3 occasions.
- An ASR for November's PD samples was submitted. The USEPA has designated DESA lab for the analysis.

Upcoming

- Complete the November PD sampling tasks including documentation.
- Submit ASR for the December PD 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

- No activity this month, although a budget was proposed to continue operation of the plant through June 2011.

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: OCT 2010

DATE	NAME	SIGNATURE	COMPANY	IN	OUT
10/7/10	Dan Weng	DW	TOBIN	9:30	
10/25/10	Richard Burke	RBurke	LIGERO	12:30	12:45

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: 10-1-10

Weather Forecast (am): Heavy rain with high winds. Temperatures are to range from 66-70-53°F. Winds are from the WNW-NNW at 10-18 mph. Relative humidity at 85%, clearing in afternoon.
Saturday –Sunny, temps at 54-66-51°F, wind at 13-11 from N, RH at 55-65%, no rain.
Sunday – Sunny, temps at 52-63-50°F, wind at 13-14 from NE, RH at 60%, afternoon rain.

Volume Processed for 3-day period (10/1 thru 10/4): 1,691,690 gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
None

Corrective Maintenance Performed:
Check valve for ASF P3 was disassembled. The defective/worn parts were removed for evaluation.
Changed light bulbs in shop

Verbal/Written Instruction from Government Personnel:
USACE approved the RFAs for the plant electrical work pending budgetary considerations

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 were 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.

Upon examination of the ASF P3 check-valve, it was discovered that the valve disk arm was eroded and the disk was non-functional. Replacement parts will be required.

End of month documentation will be required.

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

Plant Manager Signature: Peter Takach, October 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: FRIDAY Date: 10-01-10 Time: 0504

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	23385

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	326095	163860					63391
EW-2	264755	179320					57132
EW-3	241344	167400					61489

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.4	95	4034137	HEAVY RAINS AND GUSTY WINDS
IW-2	119.8	95	3689803	THIS MORNING, TEMP @ 73°F
IW-3	163.4	113	3832660	
IW-4	153.2	83	3355625	PLANT IS RUNNING FINE.

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	74395	NM	1	11	
INF 2	73203		1	12	
INF 3	28430		SB	SB	STAND-BY
ASF 1	41452		0	31	
ASF 2	49201		0	30	
ASF 3	42533		SB	SB	STAND-BY
GAC 1	44754		2	16	
GAC 2	48270		2	15	
GAC 3	33433		SB	SB	STAND-BY
REC 1	21934		OFF	OFF	
REC 2	20142		OFF	OFF	
INJ 1	65170		6	27	
INJ 2	39128		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")	4.6	
Air Temp (°F)	57°	57°
Water Temp (°F)		17°C
V-GAC #1 (H_2O")	2.45	0.60
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.34	
Reactor Tank 2	5.07	
AS. Feed	6.21	
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:
CHECK VALVE AT AIR STRIPPER #3 HAD SHAFT, ARM, & DISK REMOVED - NEW PARTS ORDERED

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

Supervisors Signature: [signature] Date 10-4-10

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

OPERATOR: J JACKSON DATE: 10-01-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • Heavy Rains and Gusty	Winds @ 58 mph
2)	
3) • the daily operators W	as completed
4)	
5) • the Plant is Running	Fine for now.
6)	
7) • 3-T12 40 watt 48" Ph	ilips Bulbs were installed
8) in control Rm.	
9)	
10) • Rains are coming dow	n extremely hard @ 0720
11)	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • Remove Check Valve S	haft, Arms, and Flap
2) From Check Valve #3	- Part were ordered by
3) Pete.	
4)	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

[signature] 10-4-10

Doc No.: CPS-Form-007

March 3, 2008
Rev. B

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

DATE: 10-01-10

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.

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	✓	✓		OK
SLUDGE SETTLER	✓	✓	✓	OK
RECYCLE	✓	✓	✓	OK
AIR STRIPPER FEED	✓	✓	✓	OK - Checkvalve inspected
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

Floor and General Work Areas

	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	WATER EVERY WHERE
SHARP EDGES	NONE
PINCH POINTS	NONE
OTHER HAZARDS	NONE

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:

CHECK VALVE, AIR STRIPPER, COVER REMOVED, SHAFT REMOVED, DISK ARM REMOVED, NEW ARM, & DISK WILL BE ORDERED.

SIGNED: _____ DATE: 10-4-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

ER1

DATE: 10-01-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	730	OPS	1545	
JAMES S. JACKSON	JJackson	0456	OPS	1325	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: Monday
Date: 10-04-10

Weather Forecast: Raining and cold. Temps to range from 54-59-57^{O}F. Wind at 20-18 mph from NNE. RH at 90-95% with scattered showers to continue.

Total Volume Processed for Day: 560,389 gallons

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

Reason for Downtime:
No downtime to report.

Significant Operational Problems:
Plant experienced a momentary power interruption. System automatically restarted.

Corrective Maintenance Performed:
Cleaned disassembled check valve
Cleaned electrodes at reaction tanks
Pulled and tested EW-2 pumps

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
Tested Horiba water quality multimeter was tested

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
Horiba multimeter

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, October 5, 2010

Attachments:

Daily Operating Log
Daily Activities Summary Report
Daily site Safety Inspection
Employee Sign-in Sheet
AIR MONITORING LOG

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

Operator: J JACKSON Day: MONDAY Date: 10-04-10 Time: 0520

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	23555

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	326586	164640	161840	165520	163860		63441@0520
EW-2	265294	180210	185720	181010	179320		57183
EW-3	241910	188200	191880	189030	187400		61539

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.3	95	4075495	RAINY MORNING, COLD, TEMP 6
IW-2	122.9	91	3730677	58°
IW-3	163.5	113	3881790	
IW-4	153.4	80	3390999	PLANT IS RUNNING FINE

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74465	NM	1	11	
INF 2	73274		2	12	
INF 3	28430		SB	SB	STAND-BY
ASF 1	41522		1	33	
ASF 2	49272		1	30	
ASF 3	42533		NIS	NIS	NOT IN SERVICE
GAC 1	44824		2	16	
GAC 2	48341		2	15	
GAC 3	33433		SB	SB	STAND-BY
REC 1	21934		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65240		6	27	
INJ 2	39199	39199	8	27	
INJ 3	←		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER		↓			

	INLET	OUTLET
GAC #1 (PSI)	11	8
GAC #2 (PSI)	13	12
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	41.6	
Air Temp (°F)	56.0	56°
Water Temp (°F)		15°C
V-GAC #1 (H_2O")	2.45	0.45
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.36	6.07 14°C
Reactor Tank 2	4.87	6.12 14°C
AS. Feed	6.21	6.34 14°C
PLANT DISCHARGE - pH		6.48
PLANT DISCHARGE - Temp.		15°C

SAND FILTER DEPTH TO WATER (INCHES)	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13¾")	
Treat. Train 2	13½")	

Additional comments:
WEEKLY PH & TEMP TAKEN

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

Supervisors Signature: [signature] Date 10-5-10

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

OPERATOR: J. Jackson DATE: 10-04-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• This morning it Rainy and damp, very cool	
2)	Temp @ 58°F	
3)		
4)	• the plant ran well over the week-end	
5)		
6)	• the weekly Ph & Temps were completed	
7)		
8)	• PID was calibrated, AIR MONITORING was	
9)	DONE	
10)		
11)	• the Daily operator Log was completed.	

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• Pulled Pumps From EW-2A & B - INSPECTED Both	
2)	TOOK A LOOK AT Both Bladders, SEEM TO BE OK	
3)		
4)	• Test both Pumps in the Decon 55 gal Drum	
5)	RAN FINE	
6)		
7)	• ALSO Tested Both Pumps in WELL setting, both	
8)	WORKED FINE	
9)		
10)		
11)		

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter Pickard 10-5-10

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

DATE: 10-04-10

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				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	✓	✓		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	WATER IN VARIOUS LOCATION IN PLANT
SHARP EDGES	NONE
PINCH POINTS	NONE
OTHER HAZARDS	NONE

Air Compressor

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

Air Stripper

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

Notes and Comments:

CHECK VALVE @ AIR STRIPPER #3 - IS NOT IN SERVICE IN THE PROCESS OF BEING REBUILT.

SIGNED: Peter Wheal

DATE: 10-5-10

AIR MONITORING LOG
CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler Q. Jackson Date 10-04-10

Calibration Standard(s) 100 PPM \ ISOBUTYLENE

Post-cal Readings 86.7 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	
	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: PLANT PID WAS CALIBRATED, NO AIR MONITORING ISSUES INSIDE OR OUTSIDE PLANT.

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

MDM

DATE: 10-04-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	730	OPS	1543	Food
JAMES S. JACKSON	J. Jackson	0541	OPS	1330	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: Tuesday
Date: 10-05-10

Weather Forecast (am): Raining and cool. Temperatures are expected to range from 56-62-55^{O}F. Wind will be 13-8 mph from the NNE-E-SW with gusts to 18 mph. Relative humidity is 85-90% with continued scattered showers expected.

Total Volume Processed for Day: 569,604 gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
None

Corrective Maintenance Performed:
Cleaned check valve parts and cut gaskets

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 and paths to remote monitoring wells

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 continues to run in a steady fashion. Plant flows were 372 gpm in and 391 gpm out.

End of month documentation work continues

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

Plant Manager Signature: Peter Takach, October 6, 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: 10-05-10 Time: 0540

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	23612

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	526753	165160					63486
EW-2	265474	161230					57197
EW-3	242000	189370					61563

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.2	96	4089455	misty, with light rain, temp
IW-2	122.4	94	3744205	AT 57°F
IW-3	163.5	112	3898349	
IW-4	1534	80	3402896	PLANT RAN FINE THRU OUT THE NIGHT

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74489	NM	1	11	
INF 2	73297		2	12	
INF 3	25430		SB	SB	STAND - BY
ASF 1	41546		2	32	
ASF 2	49295		2	30	
ASF 3	42533		NIS	NIS	NOT IN SERVICE
GAC 1	44848		2	16	
GAC 2	48365		2	15	
GAC 3	33433		SB	SB	STAND - BY
REC 1	21934		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65264		6	27	
INJ 2	39222		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER					

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

AS Blower (H_2O")	41.6	
Air Temp (°F)	56°	56°
Water Temp (°F)		15°C
V-GAC #1 (H_2O")	2.60	0.40
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.34	
Reactor Tank 2	5.28	
AS. Feed	6.19	
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: Peter Hearl Date 10-6-10

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

OPERATOR: J.Jackson DATE: 10-05-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• Misty, Cloudy, and	Light Rain this Morning
2)	The Temp was at 56°F, Cold For this time	
3)	of the year.	
4)		
5)	• the Plant Ran well last Night	
6)		
7)	• the daily operators Log was completed	
8)		
9)	• Call made to Jim of GA Industries to order	
10)	Part For Check Valve Rebuilt. Parts are:	
11)	① Disk with Rented DIN	

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	② Renewable Seat ③ Seat Screws ④ Disk Nut	
2)	⑤ Disk Nut Washer ⑦ Gland Stud Set	
3)		
4)	• Went to Inspect the Trail leading to BP-3, A, B&C	
5)	Wells - Roads were getting close to being impassable	
6)	Road has very deep Ruts & Valleys. Need Attention	
7)	Soon.	
8)		
9)		
10)		
11)		

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter Pickard 10-6-10

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

DATE: 10-05-10

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.

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	SOME WATER ON FLOOR
SHARP EDGES	NONE
PINCH POINTS	NONE
OTHER HAZARDS	NONE

Air Compressor

	General Conditions and Comments
TANK	
AFTER COOLER	OFF
AIR DRIER	LINE AT
MOTOR & COMPRESSOR	this time

Air Stripper

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

Notes and Comments:

Call made To QA Industeies For the Price of Part that NEED To ordered For Check VALVE.

SIGNED: _____ **DATE:** _____

P. Pakan 10-6-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

TUE
DATE: 10-05-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	1255	OPS		
JAMES S. JACKSON	J Jackson	0535	OPS	1355	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: Wednesday
Date: 10-06-10

Weather Forecast (am): Mostly cloudy and mild. Temperatures are to range from 57-64-52°F. Wind at 3-10 mph from the SSW-SW. Relative humidity is 55-60%. Clearing.

Total Volume Discharged for Day: 560,779 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:
Mowed grass around plant and at various wells

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 391 gpm.

Routine plant O&M continues

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

Plant Manager Signature: Peter Takach, October 7, 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: 10-06-10 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
391	0	23667

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	326915	164150					63472
EW-2	265652	150200					57213
EW-3	242286	188020					6569

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.2	96	4102979	Cool Morning, Temp 57° F
IW-2	120.7	93	3757467	Plant ran fine though
IW-3	163.5	113	3914373	out the Nite.
IW-4	153.8	81	3414379	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74512	NM	2	12	
INF 2	73320		3	12	
INF 3	28430		SB	SB	STAND-BY
ASF 1	41569		1	31	
ASF 2	49318		1	31	
ASF 3	42533		NIS	NIS	NOT IN SERVICE
GAC 1	44871		2	16	
GAC 2	48386		3	15	
GAC 3	35433		SB	SB	STAND-BY
REC 1	21934		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65287		6	27	
INJ 2	39245		6	27	
INJ 3	NIS		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER		V			

	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)	56°	56°
Water Temp (°F)		15°C
V-GAC #1 (H_2O")	2.60	0.45
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.33	
Reactor Tank 2	5.27	
AS. Feed	6.19	
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: Pete Pakish Date 10-7-10

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

OPERATOR: J. Jackson DATE: 10-06-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
• Cool and Damp Morning, Temp @ 57°F	
• No Problems With Plant it Ran Fine during the Night.	
• the Daily operators Log was completed	
• Plant Grass on the hill was cut	
• Grass was Weed Wacken under the Fench	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
• Grass was cut around EXT-3	
• Grass was cut at EW-4, 1, 2, 3 & 4 Well	
• Grass at EW-10C was cut / Grass cut @ EW-12D	
• Grass Weed wacked at EW-13D.	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

Ruth Ackerl 10-7-10

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

DATE: 10-06-10

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	✓	✓	✓	#3 Check Valve NEED Repairs
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

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

	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 - hearing a slight NOISE -
CARBON VESSELS	OK

Notes and Comments:

- BLOWER BELTS - NEEDS TO BE TIGHTENED.

SIGNED: _____ DATE: 10-7-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

WED
DATE: 10-06-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	720	OPS	1533	FEDEX
JAMES S. JACKSON	J Jackson	0502	OPS	1328	HOME
RICHARD C. CRONCE	Pcl				

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

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: 10-07-10

Weather Forecast (am): Mostly cloudy, cool, and windy. Temperatures should range from 53-71-52^{O}F. Wind will be 17-21-18 mph from the WSW-WNW. Relative humidity is 50%. Clearing is expected.

Total Volume Discharged for Day: 570,793 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:
pH electrodes at reaction tanks were cleaned
Landscaping tasks at injection wells
PM on HVAC unit
PM on ASF blower

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 392 gpm

Routine O&M tasks continue

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

Plant Manager Signature: Peter Takach, October 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: Thursday Date: 10-07-10 Time: 0530

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	23724

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	327081	163900					63488
EW-2	265834	179770					57229
EW-3	242417	187510					61586

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.3	97	4116881	ANOTHER COOL MORNING, TEMP.
IW-2	121.9	99	3771258	55°
IW-3	163.6	114	3930842	
IW-4	164.0	80	3426123	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	74536	NM	3	11	
INF 2	73344		3	12	
INF 3	28430		SB	SB	STAND-BY
ASF 1	41593		1	33	
ASF 2	49342		1	31	
ASF 3	42533		NIS	NIS	NOT IN SERVICE
GAC 1	44895		2	19	
GAC 2	48411		2	15	
GAC 3	33433		SB	SB	STAND-BY
REC 1	21934		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65311		6	27	
INJ 2	39269		6	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")	4.7	
Air Temp (°F)	51°	56°
Water Temp (°F)		
V-GAC #1 (H_2O")	2.60	0.45
V-GAC #2 (H_2O")	01	01

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.34	
Reactor Tank 2	4.94	
AS. Feed	6.20	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

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

Additional comments:
AIR STRIPPER MOTOR GREASED
WEED WACKED AROUND THE
IW WELLS

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

Supervisors Signature: Patrick Date 10-8-10

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

OPERATOR: J Jackson DATE: 10-07-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
• Cold Morning -Temp @ 58° F	
• The Plant Ran Fine thru out the Night	
• the Daily operators Log was done	
• Weed Wacked around IW-2	
• Weed Wacked around IW-3	
• Grass at WT-01 was Weed Wacked	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
• Grass at IW-4 was Weed Wacked.	
• Inspected and Lubricated the HVAC unit	
• Blower Motor was Greased	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

10-8-10

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

DATE: 10-07-10

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	✓	✓	✓	CHECK VALVE BEING REPAIRED
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

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

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 - MOTOR LEAKED
CARBON VESSELS	OK

Notes and Comments:

HVAC WAS INSPECTED & LUBRICATED

SIGNED: _____ DATE: 10-8-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

Thrus

DATE: 10-07-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P E Takach	725	O&M	1530	
JAMES S. JACKSON	J Jackson	0520	OPS	1330	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: Friday
Date: 10-08-10

Weather Forecast (am): Mostly sunny and cool. Temperatures are to range from 50-72-56^{0}F. Winds are from the WNW-WSW at 7-14 mph. Relative humidity at 45-50%, no rain is expected.
Saturday –Sunny, temps at 57-68-47°F, wind at 12 from NNW, RH at 55%, no rain.
Sunday – Sunny, temps at 48-64-54°F, wind at 12-5 from W, RH at 50-70%, no rain.

Total Volume Processed for 3-day period (10/8 thru 10/11): 1,682,720 gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
None

Corrective Maintenance Performed:
Cleaned and calibrated pH electrodes at reaction tanks
HVAC PM and start up – all ok
Miscellaneous housekeeping and plant clean up

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

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

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

Available Analytical Results
No new data available

Calibration Procedures Performed:
Calibrated sound level meter
Calibrated lab pH meter
Calibrated process pH meters

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 continues.

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

Plant Manager Signature: Peter Takach, October 12, 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: Friday Date: 10-08-10 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	23780

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	327241	163850					63509
EW-2	266010	179650					57246
EW-3	242661	187420					61602

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	1623	96	4130556	Temp @ 57°
IW-2	122.6	96	3784837	PLANT is RUNNING FINE
IW-3	1635	114	3947049	
IW-4	154.1	81	3437674	Operators Log is Completed

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74559	NM	2	12	
INF 2	73367		2	13	
INF 3	28430		SB	SB	STANDBY
ASF 1	41616		2	33	
ASF 2	49365		2	31	
ASF 3	42533		NIS	NIS	NOT IN SERVICE
GAC 1	44918		2	16	
GAC 2	48435		2	15	
GAC 3	~~33433~~	20782	SB	SB	STANDBY
REC 1	21934		OFF	OFF	
REC 2	39292		OFF	OFF	
INJ 1	65334		6	27	
INJ 2	39292		6	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP		V			
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)	56°	56°
Water Temp (°F)		15°C
V-GAC #1 (H_2O")	2.65	0.65
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.35	
Reactor Tank 2	5.18	
AS. Feed	6.20	
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: Patrick Hall Date 10-12-10

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

OPERATOR: J JACKSON DATE: 10-06-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • ANOTHER VERY COOL MORNING, NO RAIN, but A SLIGHT	
2) Wind.	
3)	
4) • the PLANT FINE OVER the Night	
5)	
6) • the HVAC UNIT WAS PUT ON, TO SEE how IT	
7) RAN, SEEM TO BE MUCH QUITER.	
8)	
9) • the Daily operator Log WAS Completed	
10)	
11) • Began the PLANT house Keeping - Tightened the	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
NUT IN the TOILET BOWL	
• Began VACUUMing the LOWER LEVEL - VACUUM be gan Releasing PARTICALS or small PIECES being PICKED UP - 8" long x 1" PIECE WAS Remove, hosed OUT Carbon SLUDGE FROM the TOO section - Problem STILL remains.	
• FINISH VACUUming the LOWER LEVEL of PLANT.	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

Patrick 10-12-10

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

DATE: 10-06-10

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				#3 Check Valve - N-I-S
CARBON FEED				OK
INJECTION				OK

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	Little to No Water on Floor
SHARP EDGES	NONE
PINCH POINTS	NONE
OTHER HAZARDS	NONE

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:

PLANT HOUSEKEEKING DONE by VACUUMING - UPPER AND LOWER LEVELS.

SIGNED: [signature]

DATE: 10-12-10

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

Operations and Maintenance Document

SOUND MONITORING WORK SHEET

Day	FRIDAY
Date	OCT 8 2010
Instrument ID	GRAINGER 93-20 #310
Battery Check	OK
Calibration Check	OK
Inspector	TAKACH

Area	Reading (dB)	Conditions
Office	64-66	Doors Open
HVAC Mezzanine	68-72	
Clarifier Mezzanine	72-74	
Injection Pumps (at motors)	82-86	
AS Feed Pumps (at Motors)	80-92	Pumps 1 & 2
Air Compressor Station	90	#2 ON
Air Stripper Tower Area	72-78	
AST Blower	88-92	
Paved Area	64-68	
Shop	70-72	Doors Open

Comments and Observations:

NM - Not Measured

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

E21

DATE: 10-05-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	730	O&M	1630	
JAMES S. JACKSON	J Jackson	0514	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: Monday
Date: 10-11-10

Weather Forecast: Sunny and warm with temps at 54-74-64°F, wind at 508 from the north. RH at 60-85%, heavy rain and t-storms overnight expected.

Total Volume Processed for Day: 555,985 gallons

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

Reason for Downtime:
No downtime to report.

Significant Operational Problems:
Start quarterly PW sampling

Corrective Maintenance Performed:
None

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
Sampled extraction wells for organic, inorganic and generic parameters

Available Analytical Results:
No new data was available.

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

General Remarks:
Plant continues to run with out any significant problems.
Start of PW sampling

JSJ onsite, PET was out.

Plant Manager Signature: Peter Takach, October, 201 120

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: 10-11-10 Time: 0522

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	239.50

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	327734	163920	167250	166200	163850		63553
EW-2	266549	179540	183190	182030	179650		57294
EW-3	243228	167390	191350	190250	187420		61650

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	1623	95	4171994	TEMP @ 58°F, WILL RISE TO 72°F
IW-2	1223	96	3826377	Today
IW-3	1636	114	3996098	
IW-4	159.2	81	3472571	PLANT RAN WELL OVER WEEKEND

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	74629	NM	2	10	
INF 2	73438		3	11	
INF 3	28430		SB	SB	STAND-BY
ASF 1	41687		1	32	
ASF 2	49436		2	31	
ASF 3	42533		NIS	NIS	NOT IN SERVICE
GAC 1	44988		3	16	
GAC 2	48505		2	16	
GAC 3	33433		SB	SB	STAND-BY
REC 1	21934		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65404		6	27	
INJ 2	39363		6	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER					

	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)	57°	57°
Water Temp (°F)		16°C
V-GAC #1 (H_2O")	26.0	0.05
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.21	5.86 | 17°C
Reactor Tank 2	5.09	5.89 | 17°C
AS. Feed	6.19	6.21 | 16°C
PLANT DISCHARGE - pH		5.01
PLANT DISCHARGE - Temp.		22°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: Patrick Ward Date 10-12-10

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

OPERATOR: J Jackson DATE: 10-11-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
• The Plant Ran Fine Over the Weekend	
• the Ph's and Temp's were completed	
• the operators Log were Completed	
• the Oakton Ph meter was Calibrated	
• the Pid was Calibrated + the Weekly Air Monitoring of Inside & Outside Plant, was taken	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
• the Trip Blank was taken	
• At Ext-1 the well was Pumping well, No Problem Samples were taken - 4 metals | 6 VOAs | 2 TSS	
• At Ext-2 Pump shut down - went back to plant to put Pump in Manual mode. - well Quickly stabalize	
• At Ext-3 - the Equital Flow was very cloudy, and Brown in Color. Pump shut down - went back to plant to put switch in Manual mode. Samples taken - 1 metal	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
3 VOAs | 1 TSS

10-12-10

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

DATE: 10-10-10

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				
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	✓	✓	✓	VALVE NOT IN SERVICE
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

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

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:** 10-12-10

AIR MONITORING LOG
CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler Q Jackson Date 10-11-10

Calibration Standard(s) 100 PPM \ ISOBUTYLENE

Post-cal Readings 72.6 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
	#2 Effluent	0

Comments: PID WAS calibrated - AIR MONITORING OF PLANT INSIDE & OUTSIDE.

QC

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

MOM

DATE: 10-11-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH					
JAMES S. JACKSON	JJackson	0514	operator	1340	HOME
RICHARD C. CRONCE					

Doc. No.: CPS-Form-011

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: 10-12-10

Weather Forecast (am): Mostly cloudy and wet. Temperatures are to range from 61-66-47^{O}F. Wind will be 8-4 mph from the NNE-N. Relative humidity is 85-60% with clearing in afternoon.

Total Volume Processed for Day: 569,209 gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
Coupling on INF Pump #3 failed

Corrective Maintenance Performed:
Rotated pumps from 1&2 to 1&3
Cleaned electrodes at reaction tanks
Installed gland flange on ASF P3 check-valve

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:
Monitoring well water levels recorded
Re-measured pH and temperature from plant discharge

Available Analytical Results:
No new data available.

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

General Remarks:
Plant continues to run in a steady fashion. Plant flows were 372gpm in and 391 gpm out.

Quarterly sampling tasks are underway.

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

Plant Manager Signature: Peter Takach, October 13, 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: 10-12-10 Time: 0556

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	24008

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	327873	151260					63566
EW-2	266710	175430					57308
EW-3	243489	207390					66671

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.8	96	4186341	56° Cloudy & cool
IW-2	122.8	95	3840578	the opeeator Log Completed
IW-3	163.6	113	4013067	
IW-4	154.0	81	3484670	PLANT RAN FINE OVERNIGHT

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74653	NM	3	11	
INF 2	73462		3	12	
INF 3	28430		SB	SB	STAND-BY
ASF 1	41711		2	34	
ASF 2	49460		2	31	
ASF 3	42533		NIS	NIS	NOT IN SERVICE
GAC 1	45012		3	17	
GAC 2	46529		3	16	
GAC 3	33433		SB	SB	STAND-BY
REC 1	21934		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65428		6	27	
INJ 2	39387		6	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)	56°	56°
Water Temp (°F)		16°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	5.12	
Reactor Tank 2	4.82	
AS. Feed	6.10	
PLANT DISCHARGE - **pH**		
PLANT DISCHARGE - **Temp.**		

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13¾"	
Treat. Train 2	13½"	

Additional comments:

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

Supervisors Signature: Patrick Neal Date 10-13-10

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

PERATOR: J. Jackson DATE: 10-12-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
• Temp ≈ 58° Cloudy, and Cool this Morning	
• the Plant is Running Fine	
• the Daily operations Log was Completed	
• the PID was Calibrated	
• the Quarterly Water Level was Completed	
(1) at the EW-1A,BC well	
(2) Water Level's taken at EW-2A,B,C, & D | EW-3A,B&C	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
(3) Levels taken at EW-4A,B,C & D | EW-5 and DW-2	
(4) at EW-9D | EW-10C | EW-11 | EW-13D	
(5) at MW-10B | MW-10C | MW-10D	
Note: Branch Blocking Rd at MW-6D	
(6) at MW-6D 94.65 level taken	
Note Branch had to trimmed and removed from Road	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

Pat Packard 10-13-10

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

DATE: 10-12-10

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	NONE
PINCH POINTS	NONE
OTHER HAZARDS	NONE

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:

AIR STRIPPER CHECK VALVE IS NOT IN SERVICE IN THE PROCESS OF BEING REBUILT.

SIGNED: Peter Chadwick

DATE: 10-13-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

TUE

DATE: 10-12-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	730	O&M	1530	
JAMES S. JACKSON	JJackson	0523	CPS	1340	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: 10-13-10

Weather Forecast (am): Mostly sunny and cool. Temperatures are to range from 48-63-56^{O}F. Wind will be at 7-3 from the NNE - SSE. Relative humidity is 45-50% with no rain expected.

Total Gallons Processed for the day: 562,343 gallons

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

Reason for Downtime:
No downtime to report

Significant Operational Problems:
None

Corrective Maintenance Performed:
Shimmed motor of INF P3 and replaced motor to pump transmission coupling

Verbal/Written Instruction from Government Personnel:
USACE requests costs associated with non-CLP analytical costs

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

Record of any tests performed, samples taken, and personnel involved:
Quarterly Process Water (PW) sampling was completed with organic and inorganic samples sent to DESA and generic samples to ALSI.

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 PW sampling task was completed with out any remarkable events

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

Plant Manager Signature: Peter Takach, October 14, 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: 10-13-10 Time: 0515

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	24063

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	328026	142950					63581
EW-2	266879	156250					67323
EW-3	243679	242460					61688

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	124	95	4199722	PLANT IS RUNNING FINE
IW-2	122.4	96	3854185	the Operator Log Was Completed
IW-3	163.6	113	4028898	
IW-4	154.0	50	3495964	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	74676	NM	3	8	
INF 2	73480		3	13	
INF 3	28435		SB	SB	STAND-BY
ASF 1	41733		3	32	
ASF 2	49464		SB	SB	STAND-BY
ASF 3	42551		0	31	
GAC 1	45035		4	17	
GAC 2	48533		SB	SB	STAND-BY
GAC 3	33452		4	16	
REC 1	21934		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65451		6	27	
INJ 2	39409		6	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER		↓			

	INLET	OUTLET
GAC #1 (PSI)	11	8
GAC #2 (PSI)	13	12
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.8	
Air Temp (°F)	56°	56°
Water Temp (°F)		14°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	532	
Reactor Tank 2	534	
AS. Feed	6.21	
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: Peter Packard Date 10-14-10

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

OPERATOR: J. JACKSON DATE: 10-13-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
• PLANT PERFORMED WELL LAST NIGHT, NO MAJOR ISSUES	
• ONE Problem @ INFLUENT Pump #3, BAD COUPLING.	
• the Daily operator Log was Completed	
• Began Taking Samples For the Quarterly PLANT sampling EVENT.	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
• The Samples were taken From Sample LOCATION:	
① 002	
② 07A	
③ 08A | 08B	
④ AT 009 - PLANT DISCHG.	
• Samples Were SEALED, Labeled, AND Packaged IN COOLERS. - Will TAKE TO FED-EX FOR DELIVERY	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

10-14-10

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

DATE: 10-13-10

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

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	✓	✓		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	NONE
PINCH POINTS	NONE
OTHER HAZARDS	NONE

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:

Samples TAKEN AT VARIOUS LOCATION

SIGNED: _____ **DATE:** 10-14-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

WED

DATE: 10-13-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	725	P. Takach	1600	
JAMES S. JACKSON	J Jackson	0500	operator	1310	FED EX \ Home
RICHARD C. CRONCE		PU			

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: 10-14-10

Weather Forecast (am): Sunny, cool, and clear. Temperatures are to range 45-64-50^{O}F. Wind is from the ESE-east at 4-13 mph. Relative humidity is 70-90% with rain expected in late afternoon, heavy at times.

Total Gallons Processed for day: 560,389 gallons

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

Reason for Downtime:
No downtime to report

Significant Operational Problems:
None

Corrective Maintenance Performed:
Re-installed motor guard on INF P3
General plant clean up
Truck clean up

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 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.

JSJ spotted 3 men at the old Claremont plant. They were gone by the time I arrived there. The building east side doors were closed.

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

Plant Manager Signature: Peter Takach, October 15, 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: 10-14-10 Time: 0510

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	24119

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	328188	164100					63597
EW-2	267054	179300					57339
EW-3	243863	187400					61704

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.3	96	4213351	58 °F THIS MORNING
IW-2	122.4	95	3867854	the operator's Log Completed
IW-3	163.6	113	4045018	
IW-4	159.1	81	3507469	PLANT IS RUNNING FINE

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	74700	NM	1	6	
INF 2	73487		SB	SB	STAND-BY
INF 3	28451		3	13	
ASF 1	41757		2	34	
ASF 2	49464		SB	SB	STAND-BY
ASF 3	42575		0	31	
GAC 1	45059		4	18	
GAC 2	48533		SB	SB	STAND-BY
GAC 3	33476		4	18	
REC 1	21934		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65475		6	27	
INJ 2	39433		6	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER					

	INLET	OUTLET
GAC #1 (PSI)	12	6
GAC #2 (PSI)	14	11
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.7	
Air Temp (°F)	56°	56°
Water Temp (°F)		14°C
V-GAC #1 (H_2O")	2.60	0.01
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.31	
Reactor Tank 2	5.34	
AS. Feed	6.21	
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:
SOUNDING AT INJECTION WELLS #1, 2, 3 & 4 = NO PROBLEM @ WELL.

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

Supervisors Signature: Peter Okal Date 10-15-10

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

OPERATOR: J. JACKSON DATE: 10-14-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
• TEMP @ 58°F this MORNING - PLANT RUNNING FINE	
• the OPERATOR LOG WAS Completed	
• SOUNDING OF EW-1, 2, 3 & 4 WELLS	
① EW-1 | 5.40 | 145.90	
② EW-2 | 13.78 | 241.65	
③ EW-3 | 5.40 | 249.10	
④ EW-4 | 12.83 | 198.00	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
• PLANT CLEAN-UP WAS Completed - WORK BENCH CLEANED OFF, PLANT TRUCK WAS CLEANED OUT	
• PLANT TRUCK WAS WASHED	
• Call made TO BETHVIEW Mobil @ 220 MANETTO HILL Rd PLAINVIEW, NY 11803 - FOR TRUCK INSPECTION.	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

Peter Acard 10-15-10

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

DATE: 10-14-10

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	✓		ELEMENT installed @ #3
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	NONE
PINCH POINTS	NONE
OTHER HAZARDS	NONE

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:

NEW ELEMENT INstalled, BY PETERS @ #3 INFLUENT Shaft

SIGNED: [signature]

DATE: 10-15-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

Thru

DATE: 10-14-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P Takach	720	O&M	1602	—
JAMES S. JACKSON	Jackson	0605	OPS	1335	Home
RICHARD C. CRONCE		Ref			

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: 10-15-10

Weather Forecast
Fri.: Cloudy, cool, and windy. Temperatures are to range from 50-59-48^{O}F. Wind from WNW-west at 16-23 mph. Relative humidity is 55-65% with rain expected in the afternoon.
Sat.: Sunny, cool, windy. Temps: 49-60-45^{O}F. Wind: 25>18 mph from WNW. RH 55-65%, no ppt.
Sun.: Sunny. Temps: 46-65-48^{O}F. Wind: 16>10 mph from W-WNW. RH 65-70%, no ppt.

Gallons Processed for the 3-day Period (10/15-10/18)**:** 1,698,427 Gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
None

Corrective Maintenance Performed:
General plant clean up

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

Inspections Performed and Results:
Daily site safety inspection performed – no new issues observed.
The NYS motor vehicle annual inspection was completed by local service station

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

Available Analytical Results:
No new data available

Calibration Procedures Performed:
No calibrations required

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

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

Plant Manager Signature: Peter Takach, October 18, 2010

Attachments:

Daily Operating Log
Daily Site Safety Inspection Log
Daily Activities Summary Report
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: 10-15-10 Time: 0520

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	24175

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	328350	166610					63613
EW-2	247232	182580					57355
EW-3	244050	190880					61720

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.1	96	4227251	LIGHT RAIN, ON AND OFF
IW-2	126.1	95	3881574	PLANT IS RUNNING FINE
IW-3	163.7	113	4061427	
IW-4	155.0	80	3519055	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74723	NM	1	8	
INF 2	73488		SB	SB	STAND-BY
INF 3	28474		3	13	
ASF 1	41780		1	34	
ASF 2	49414		SB	SB	STAND-BY
ASF 3	42598		0	31	
GAC 1	45082		4	17	
GAC 2	48533		SB	SB	STAND-BY
GAC 3	33499		4	18	
REC 1	21934		OFF	OFF	
REC 2	20747		OFF	OFF	
INJ 1	65498		6	27	
INJ 2	39456		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER		V			

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

AS Blower (H_2O")	4.7	
Air Temp (°F)	56°	56
Water Temp (°F)		74°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	5.30	
Reactor Tank 2	5.32	
AS. Feed	6.22	
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 10-18-10

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

OPERATOR: J JACKSON DATE: 10-15-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
• THE PLANT RAN FINE LAST NIGHT	
• THE DAILY OPERATOR LOG WAS COMPLETED	
• TRUCK WAS DROPPED OFF TO MOBIL STATION FOR INSPECTION	
• PAPER WORK WAS DONE	
• WENT OVER THE OPEN ENROLLMENT	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
• WENT TO PICK UP TRUCK FROM MOBIL STATION INSPECTION WENT WELL	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

10-18-10

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

DATE: 10-15-10

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				
CAUSTIC				NOT
POTASSIUM PERMANGANATE				IN
HYDROCHLORIC ACID				SERVICE

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

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: [signature]

DATE: 10/18/10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

TR1

DATE: 10-15-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	730	O&M	1540	—
JAMES S. JACKSON	J Jackson	0812	O&M	1335	Home
RICHARD C. CRONCE	PCV				

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: 10-18-10

Weather Forecast (am): Cloudy, cold, and damp. Temperatures are to range from 50-63-48^{o}F. Wind is 7-10-7 mph from WNW-west. Relative humidity is 65-50% with no rain expected.

Total Gallons Processed for Day: 559,128 gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
None

Corrective Maintenance Performed:
General indoor and out door clean up

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

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 370 gpm. The injection well levels have been steady.

General O&M activities continue inside and outside the plant

James Jackson and Peter Takach were on-site.

Plant Manager Signature: Peter Takach, October 19, 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: 10-18-10 Time: 0508

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	24344

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	328841	163280	163550	166560	166610		63661
EW-2	267770	179490	179530	182710	182580		57404
EW-3	244615	187330	187960	190980	190880		61768

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.2	96	4216880	COOL MORNING TEMP @ 52°F
IW-2	127.1	95	3922579	AND PARTLY CLOUDY
IW-3	163.8	114	4110613	
IW-4	155.1	80	3553701	PLANT RAN FINE OVER WEEKEND

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	74793	NM	2	6	
INF 2	73488		SB	SB	STAND-BY
INF 3	28545		3	13	
ASF 1	41851		1	33	
ASF 2	49464		SB	SB	STAND-BY
ASF 3	42669		0	31	
GAC 1	45152		4	16	
GAC 2	48533		SB	SB	STAND-BY
GAC 3	33569		4	16	
REC 1	21934		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	655566		7	27	
INJ 2	39527		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER					

	INLET	OUTLET
GAC #1 (PSI)	12	8
GAC #2 (PSI)	13	11
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.6	
Air Temp (°F)	56°	56°
Water Temp (°F)		15°C
V-GAC #1 (H_2O")	2.55	0.00
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.30	5.18 | 14°C
Reactor Tank 2	5.32	5.98 | 14°C
AS. Feed	6.22	6.27 | 14°C
PLANT DISCHARGE - pH		5.42
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 1/2"	

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby

NIS = Not in service

Supervisors Signature: [signature] Date 10-19-10

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

OPERATOR: JJackson DATE: 10/18/10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
• COOL MORNING, FEELS LIKE FALL, TEMP @ 52°F AND PARTLY CLOUDY	
• PLANT RAN FINE OVER THE WEEK END	
• THE WEEKLY TEMP & PH'S COMPLETED	
• THE PID W/AS CALIBRATED - AIR MONITORING W/AS DONE.	
• THE OPERATORS LOG W/AS FINISHED	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
• THE REMAINING MONITORING WELL - FOR WATER	
• WELL BE LEAVING EARLY - HAVE OPR ADULT TRAINING THIS EVENING.	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

10-19-10

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

DATE: 10-18-10

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 IN SERVICE
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
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 LINE
AIR DRIER	
MOTOR & COMPRESSOR	

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

Notes and Comments:

SIGNED: _____ **DATE:** 10-19-10

AIR MONITORING LOG
CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler J. JOHNSON Date 10-18-10

Calibration Standard(s) 100 PPM \ ISOBUTENE

Post-cal Readings 114.0 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 DONE

PGT

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

(MON)

DATE: 10-18-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	Peter Takach	7ºº	OPS	1545	
JAMES S. JACKSON	JJackson	0505	Operator	0910	Home | CPR Training Tonight
RICHARD C. CRONCE	RC				

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: 10-19-10

Weather Forecast (am): Cloudy, rain, and cool. Temperatures are to range from 48-59-47^{O}F. The wind will be from the SSE-SSW at 1-5 mph. Relative humidity is 70% with clearing in afernoon.

Total Gallons Processed for period: 561,304 gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
Differential pressure is rising in carbon adsorber vessels

Corrective Maintenance Performed:
Outdoor clean up
Leveled stone at pavement to remove trip hazard

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:
No calibrations required

General Remarks:
The general plant operation has been very stable. Flows into and out of the plant are high but steady – influent 370 gpm, effluent 390 gpm. The injection well water levels are holding steady.

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

Plant Manager Signature: Peter Takach, October 20, 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: 10-19-10 Time: 0545

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
390	0	24402

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	329011	166850					63678
EW-2	267956	183150					57420
EW-3	249811	191250					61785

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.2	96	4283242	LIGHT RAIN, TEMP@ 43°F
IW-2	127.3	94	3931698	PLANT IS RUNNING FINE
IW-3	163.7	114	4127577	
IW-4	155.0	79	3565636	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	74817	NM	2	8	
INF 2	73486		SB	SB	STAND-BY
INF 3	285169		3	13	
ASF 1	41875		2	32	
ASF 2	49964		SB	SB	STAND-BY
ASF 3	42693		0	30	
GAC 1	45176		4	18	
GAC 2	48533		SB	SB	STAND-BY
GAC 3	33593		4	17	
REC 1	21934		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65593		6	27	
INJ 2	39551		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER					

	INLET	OUTLET
GAC #1 (PSI)	12	8
GAC #2 (PSI)	13	11
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.6	
Air Temp (°F)	56.0	56.0
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	5.30	
Reactor Tank 2	5.32	
AS. Feed	6.22	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13¾"	
Treat. Train 2	13½"	

Additional comments:

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

Supervisors Signature: Peter Kahl Date 10-20-10

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

OPERATOR: J JACKSON DATE: 10-19-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
• LIGHT RAIN this MORNING - TEMP AT 43°F	
• THE DAILY OPERATOR LOG WAS COMPLETED	
• THE PLANT HOUSE KEEPING WAS DONE, OLD PUMP, BUTTERFLY VALVES WERE TAKEN TO SCRAPE YARD.	
• THE REAR TRUCK BED WAS CLEANED OUT	
• STONE WERE PUT AGAINST WALKWAY TO	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
PREVENT TRIPPING OFF EDGE OF WALKWAY.	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

Peter Nard 10-20-10

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

DATE: 10-19-10

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	✓	✓		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: 10-20-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

TUE

DATE: 10-19-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	730	OPS	1350	
JAMES S. JACKSON	J. Jackson	0540	Operator	1346	Home
RICHARD C. CRONCE		0			
	R.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: Wednesday
Date: 10-20-10

Weather Forecast (am): Cloudy, cold, and damp. Temperatures are to range from 45-62-50^{O}F. Wind will be from the WNW-SSW at 1-11-10 mph. Relative humidity is 55-70% with no precipitation expected.

Total Gallons Processed for day: 564,706 gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
None

Corrective Maintenance Performed:
Repaired parts of shed
Rebuilt truck bed fixture

Verbal/Written Instruction from Government Personnel:
Submitted ASR for November samples

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 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 370 gpm and plant effluent averaged 390 gpm for the day.

Continue to clean up plant and equipment.

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

Plant Manager Signature: Peter Takach, October 21, 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: 10-20-10 Time: 0550

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
389	0	24459

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	329176	165710					62694
EW-2	288137	161890					57436
EW-3	245001	159930					61801

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.2	96	4297308	PLANT RAN FINE OVER NIGHT
IW-2	127.8	94	3950488	COOL MORNING TEMP @ 60°F
IW-3	163.7	113	4144194	
IW-4	155.2	80	3577318	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74641	NM	2	5	
INF 2	73488		SB	SB	STAND-BY
INF 3	28592		3	13	
ASF 1	41896		1	32	
ASF 2	49464		SB	SB	STAND-BY
ASF 3	42716		0	31	
GAC 1	45200		4	16	
GAC 2	48533		SB	SB	STAND-BY
GAC 3	33617		4	16	
REC 1	21934		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65616		6	27	
INJ 2	39574		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER		V			

	INLET	OUTLET
GAC #1 (PSI)	11	8
GAC #2 (PSI)	14	11
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.7	
Air Temp (°F)	56°	56.0
Water Temp (°F)		14.2
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	5.31	
Reactor Tank 2	5.32	
AS. Feed	6.22	
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 10-21-10

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

OPERATOR: J. JACKSON DATE: 10-20-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
• COOL MORNING IN THE AREA, TEMP IN 50°F, SHOULD REACH 70'S TODAY	
• THE PLANT DID RAN WELL OVER NIGHT	
• THE DAILY OPERATORS LOG WAS DONE	
• WENT TO HOME DEPOT, TO PICK UP NEEDED ITEMS.	
• REPAIR MADE TO PLANT SHED - FALLEN TRIM	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
WAS REINSTALLED.	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

10-21-10

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

DATE: 10-20-10

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				OUT
POTASSIUM PERMANGANATE				OF
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: [signature]

DATE: 10-21-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

WED
DATE: 10-20-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	720	Ops	1530	
JAMES S. JACKSON	J Jackson	0544	Ops	1345	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: 10-21-10

Weather Forecast (am): Cloudy, cold, and damp. Temperatures are to range from 53-63-47°F. Wind to be 8-16-10 mph from the SSW-WNW. RH is 65-50%. Scattered showers are expected.

Total Gallons Processed for day: 446,397 gallons

Plant Operating Hours: 19:30 hrs. **Plant Total Downtime**: 4:30 hrs.

Reason for Downtime:
Both Carbon Adsorber (CA) vessels were sparged and backwashed

Significant Operational Problems:
Influent pump #3 failed upon restart of plant. Overload relay would not reset.

Corrective Maintenance Performed:
Backwashed CA vessels through 2 cycles each
Removed, cleaned, and calibrated ASF pH electrode. It would not take calibration – error E2
Rotated process pumps from 1&3 to 2&3
INF P3 was electrically tested at MCC bucket. It was taken off line.

Verbal/Written Instruction from Government Personnel:
US EPA assigned DESA Lab for the November PD samples.

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:
Injection well falling head tests were completed. IW-2 is reading ~ 30 below actual water level.

Available Analytical Results:
No new data is available.

Calibration Procedures Performed:
Calibrated process ASF pH electrode

General Remarks:
The treatment plant continues to run in a stable mode with flows near maximum.

The backwashing of the CA vessels revealed a lot of fines in the beds. Several more cycles will be required to clean them.

James Jackson and Peter Takach were on-site.

Plant Manager Signature: Peter Takach, October 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: 10-21-10 Time: 0539

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
183	185	368

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
368	0	24514

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	329332	163290					63710
EW-2	268309	179120					57452
EW-3	245181	186820					61817

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	1122	96	4310925	PLANT IS RUNNING FINE
IW-2	1281	91	3963684	ANOTHER COOL MORNING, TEMP
IW-3	1637	114	4160167	
IW-4	1553	79	3586542	AT 49°F

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	74864	NM	1	2	
INF 2	73488		SB	SB	STAND-BY
INF 3	28615		3	13	
ASF 1	41921		2	33	
ASF 2	49414		SB	SB	STAND-BY
ASF 3	42740		0	31	
GAC 1	45223		4	18	
GAC 2	46533		SB	SB	STAND-BY
GAC 3	33640		4	16	
REC 1	21934		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65639		6	27	
INJ 2	39598		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER		V			

	INLET	OUTLET
GAC #1 (PSI)	12	8
GAC #2 (PSI)	14	12
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.7	
Air Temp (°F)	56°	56°
Water Temp (°F)		14°F
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	5.30	
Reactor Tank 2	5.32	
AS. Feed	6.22	
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:
PLANT DOWN @ 6:50 FOR BACK WOSH.

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

Supervisors Signature: Patrick Hall Date 10-22-10

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

OPERATOR: JJackson DATE: 10-21-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
• PLANT OPERATOR LOG WAS COMPLETED	
• THE PLANT WAS SHUT DOWN @ 0150	
• AIR IS NOW BEING PUT IN CAC #1 @ 0740 - BEGIN BACKWASH @ 0755 AM	
• 0810 - 1ST BACKWASH @ CAC #1 - WATER VERY DIRTY FINISH AIR @ 0830	
• 0905 - 2ND BACKWASH DONE @ CAC #1	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
• 0908 - AIR INTRODUED TO CAC #2 - BACKWASH AT 0930	
• THE FIRST BACKWASH AT CAC #1 @ 10:15	
• 2ND BACK WASH DONE	
• 1200 PLANT BACK ON LINE -	
• Problem with #3 INFLUENT PUMP - NO JUICE COMING OUT BLOCK.	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

Peter Pickard 10-22-10

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

DATE: 10-21-10

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				OUT
POTASSIUM PERMANGANATE				OF
HYDROCHLORIC ACID				SERVICE

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

Process Systems	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
INFLUENT	-	CLOSED		BACKWASH IN Progress
SLUDGE SETTLER	-	CLOSED	-	-
RECYCLE	DOWN	DOWN	-	BACK WASH IN Progress
AIR STRIPPER FEED	DOWN	DOWN	-	BACK WASH IN Progress
CARBON FEED	DOWN	DOWN	-	BACK WASH IN Progress
INJECTION	✓			USED FOR BACK WASH

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	DOWN - BACKWASH IN PROGESS
BLOWER & BELTS	DOWN - BACK WASH IN PROGRESS
CARBON VESSELS	DOWN - BACK WASH IN PROGRESS

Notes and Comments:

1200 - BACKWASH COMPLETE - PLANT BACK ON LINE
- Problem with INFLUENT Pump SEEM TO CORRECT IN SELF.

SIGNED: Patrick Ward DATE: 10-22-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

(Thurs)

DATE: 10-21-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P Takach	720	OPS	1500	
JAMES S. JACKSON	James Jackson	0533	OPS	0940	DELI
	J. Jackson	0955	OPS	1315	Doctors App.
RICHARD C. CRONCE	RC				

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: 10-22-10

Weather Forecast (am):
Fri: Cloudy and cool. Temps are expected to reach 46-54-42^{O}F. Winds to be 14-18-13 mph from WNW. RH is 65-45 with no precipitation expected.
Sat: Sunny, 43-63-51^{O}F, wind 13-16 mph from WSW, 55% RH, chance of late showers
Sun: Cloudy, 52-65-56^{O}F, wind 12-6 mph from south, 79% RH, scattered showers

Total Gallons Processed for period (9/17-9/20): 1,683,763 gallons

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

Reason for Downtime:
No downtime to report

Significant Operational Problems:
None

Corrective Maintenance Performed:
Decanted sludge tank
Winterized outdoor tank level monitor elements
Drained truck plow pump of hydraulic fluid.

Verbal/Written Instruction from Government Personnel:
No new communications

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

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

Available Analytical Results:
No new data was available.

Calibration Procedures Performed:
Sound level meter was calibrated

General Remarks:
The plant has been running in a pretty steady state. Influent Pump 3 restarted and ran without problems. Plant influent flows are stable at ~370gpm and plant effluent flows are holding at

390gpm.

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

Plant Manager Signature: Peter Takach, October 25, 2010

Attachments:

Daily Operating Log
Daily activities Summary Report
Daily Site Safety Inspection
Sound Level Monitoring Worksheet
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: 10-22-10 Time: 0510

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
385	0	24558

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	329459	127760					63722
EW-2	268447	140450					57464
EW-3	245326	146960					61829

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	163.2	94	4321319	• PLANT RAN FINE OVERNIGHT
IW-2	115.8	91	3974311	• USED COMPRESSOR SLIGHTLY
IW-3	163.3	110	4172566	
IW-4	153.4	81	3597761	• DRAINED SLUDGE TANK

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74882	NM	1	7	
INF 2	73505		1	12	
INF 3	28616		SB	SB	STAND-BY
ASF 1	41922		SB	SB	STAND-BY
ASF 2	49461		0	30	
ASF 3	42758		0	31	
GAC 1	45224		SB	SB	STAND-BY
GAC 2	48551		2	15	
GAC 3	33659		2	16	
REC 1	21934		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	25655		6	26	
INJ 2	39616		7	26	
INJ 3	NIS		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER		↓			

	INLET	OUTLET
GAC #1 (PSI)	9	6
GAC #2 (PSI)	10	11
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.9	
Air Temp (°F)	56°	52°
Water Temp (°F)		15°c
V-GAC #1 (H_2O")	245	0.00
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.31	
Reactor Tank 2	5.33	
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		
Treat. Train 2		

Additional comments:
DECANT VALVE #1

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

Supervisors Signature: P. Pickard Date 10-25-10

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

OPERATOR: J JACKSON DATE: 10-22-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• THE Daily OPERATORS LOG WAS COMPLETED	
2)		
3)	• SUMP PUMP TURNED ON TO PUMP OUT FLOOR	
4)	SUMP.	
5)		
6)	• BEGAN TO DECANT SLUDGE TANK.	
7)		
8)	• LEVEL CONTROLLERS WERE INSULATED:	
9)	(1) AT EQ TANK	
10)	(2) AT TREATMENT TANK #1	
11)	(3) AT TREATMENT TANK #2	

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• DRAINED HYDRAULIC OIL FROM MIXERS, ELECTRIC-LIFT	
2)	AND SNOW PLOW CONTROL SYSTEM.	
3)		
4)	• CALL MADE TO RW TRUCK EQUIPMENT CORP. - SPOKE TO	
5)	TOMY ABOUT PRICE OF HYDRAULIC OIL	
6)		
7)	• PLANT TRASH CAN WAS EMPTIED FOR THE WEEK-END	
8)		
9)		
10)		
11)		

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter Pickul 10-25-10

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

DATE: 10-22-10

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	✓	✓		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 - WEATHER HAS CHANGED - COOLER
SHARP EDGES	"
PINCH POINTS	"
OTHER HAZARDS	"

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

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

Notes and Comments:

*AIR COMPRESSOR WAS USED SLIGHTLY TODAY.

SIGNED: [signature]

DATE: 10-25-10

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

Operations and Maintenance Document

SOUND MONITORING WORK SHEET

Day	FRIDAY
Date	10-22-10
Instrument ID	GENERAL 93-20 #310
Battery Check	OK
Calibration Check	OK
Inspector	TAKACH

Area	Reading (dB)	Conditions
Office	60-64	DOORS OPEN
HVAC Mezzanine	NM	
Clarifier Mezzanine	76-84	
Injection Pumps (at motors)	82-84	
AS Feed Pumps (at Motors)	96-98	P2 & 3
Air Compressor Station	86-92	P1
Air Stripper Tower Area	72-78	
AST Blower	84-86	
Paved Area	62-64	
Shop	74-76	DOOR TO PARK CLOSED

Comments and Observations:

NM - Not Measured

SAIC

F21

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: 10-22-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P Takach	7:15	ops	1545	
JAMES S. JACKSON	J Jackson	0509	ops	1340	Home
RICHARD C. CRONCE		RCI			

Doc. No.: CPS-Form-011

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: 10-25-10

Weather Forecast (am): partly sunny and mild. The temps are to range from 49-68-60°F. Wind is from the SSW-south at 8-14-12 mph. Relative humidity is 80-90%. Rain is expected late with possible scattered t-storms.

Total Volume Processed for Day: 557,291 gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
The pump for extraction well #1 failed. Overload relay would not reset

Corrective Maintenance Performed:
Decanted sludge tank
Secured plow pump on truck
Performed electrical checks on EXT well #1 pump at MCC and at pump

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

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

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 and averaged ~390 gpm for the day.

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, October 26, 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: JJACKSON Day: MONDAY Date: 10-25-10 Time: 0521

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
180	187	367

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
386	0	24727

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	329679	163200	164670	166470	127750		63764
EW-2	269023	179270	180160	182280	140450		57516
EW-3	245932	187120	188840	190620	141460		16881

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	112.8	94	4362514	• EW-1 PUMP TRIPPED OUT, BACK
IW-2	1175	95	4015023	ON LINE @ 0540 - FOUND WEAK
IW-3	1134	110	4220822	
IW-4	1044	79	3632917	AMPERAGE AT (BOX - MCC)

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	74885	NM	SB	SB	STAND-BY
INF 2	73576		2	11	
INF 3	28685		2	9	
ASF 1	41922		SB	SB	STAND-BY
ASF 2	49552		0	31	
ASF 3	42829		0	31	
GAC 1	45224		SB	SB	STAND-BY
GAC 2	48622		2	15	
GAC 3	33729		2	12	
REC 1	21935		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65729		6	27	
INJ 2	39687		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)	560	560
Water Temp (°F)		15°c
V-GAC #1 (H_2O")	2.45	0.00
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	4.66	590 | 14°C
Reactor Tank 2	4.94	597 | 14°C
AS. Feed	5.92	602 | 14°C
PLANT DISCHARGE - pH		6.49
PLANT DISCHARGE - Temp.		14°C

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	15 3/4"	
Treat. Train 2	13 1/2"	

Additional comments:
EW-1 WELL DOWN @ 6:15PM

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

Supervisors Signature: [signature] Date 10-26-10

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

OPERATOR: JAMES JACKSON DATE: 10-25-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• COOL, FOGGY MORNING, TEMP @	
2)		
3)	• THE WEEKLY PH & TEMP WAS COMPLETED	
4)		
5)	• THE DID WAS CALIBRATED - AIR MONITORING WAS	
6)	COMPLETED	
7)		
8)	• THE OPERATED WAS COMPLETED	
9)		
10)	• EXT-1 TRIPPED OUT OVER WEEK END RESET THIS	
11)	MORNING @ 0520 AM	

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• CHECK (AC) AMPERAGE LOW - • COMING OUT BOX.	
2)		
3)	• INVESTIGATION AT EXT-1 WELL, ALL WIRES WERE TIGHT.	
4)		
5)	• FINISH DRAIN WATER FROM SLUDGE TANK.	
6)		
7)	• SECURED THE SNOW PLOW ARM BY ADDING WASHERS	
8)	TO BOLTS.	
9)		
10)		
11)		

	IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)	

10-26-10

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

DATE: 10-25-10

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:

EXT-1 PUMP TRIPPED OUT OVER WEEK END - RESET - STILL HAS WEAK AMPERAGE AT MCC BLOCK.

SIGNED: _____ DATE: 10-26-10

AIR MONITORING LOG
CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler JAMES JACKSON Date 10-25-10

Calibration Standard(s) 100PPM \ ISOLBUTLENE

Post-cal Readings 81.5PPM \ 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)	0.0
GAC VESSELS		
	#1 Influent	0.0
	#1 Effluent	0.0
	#2 Influent	OL
	#2 Effluent	OL

Comments: PID CALIBRATED - AIR MONITORING W/AS DONE.

PET

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

MON

DATE: 10-25-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	D. Takach	740	D&M	1355	
JAMES S. JACKSON	J Jackson	0514	Operator	1335	Home
RICHARD C. CRONCE	RC				

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

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: 10-26-10

Weather Forecast (am): Sunny, warm, and damp. Temperatures are expected to range from 62-67-61^{O}F. Wind will come from the SSW at 9-12 mph. Relative humidity is 85-95 with no rain expected.

Total Volume Processed for Day: 561,560 gallons

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

Reason for Downtime:
No downtime to report

Significant Operational Problems:
Carbon sludge buildup in RCY tank introduced carbon into the treatment flow. Some turbidity ensued.

Corrective Maintenance Performed:
Emptied sludge tank of carbon waste through filter press
Removed some carbon sludge from RCY tank
Worked on EXT 1 pump overload relay, got reset and returned pump to service

Verbal/Written Instruction from Government Personnel:
No new instructions

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 392.

End of the month documentation has started.

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

Plant Manager Signature: Peter Takach, October 27, 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: 10-26-10 Time: 0519

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
187	187	374

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
390	0	24782

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	329692	24770					63765
EW-2	269875	253090					57539
EW-3	246197	263860					61903

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	1629	96	4375966	WARM MORNING - TEMP 067°F
IW-2	1163	95	4026323	PLANT IS RUNNING FINE
IW-3	1634	111	4236578	
IW-4	1548	81	3624327	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	74885	NM	SB	SB	STAND-BY
INF 2	73599		1	11	
INF 3	28708		2	8	
ASF 1	41922		SB	SB	STAND-BY
ASF 2	49575		0	31	
ASF 3	42852		0	31	
GAC 1	45224		SB	SB	STAND-BY
GAC 2	48645		2	15	
GAC 3	33753		2	16	
REC 1	21935		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65750		7	27	
INJ 2	39710		8	27	
INJ 3	—		12	61	OFF LINE
SUMP					
BLOWER		↓			

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

AS Blower (H_2O")	4.6	
Air Temp (°F)	56°	56°
Water Temp (°F)		15°C
V-GAC #1 (H_2O")	8.45	040
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	4.88	
Reactor Tank 2	4.63	
AS. Feed	5.93	
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 10-27-10

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

OPERATOR: J. JACKSON DATE: 10-26-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• THIS IS RATHER A WARM MORNING, TEMP @ 67°F	
2)		
3)	• THE PLANT IS RUNNING FINE - NO MAJOR PROBLEMS	
4)		
5)	• THE DAILY OPERATORS LOG WAS COMPLETED	
6)		
7)	• HOSE BROUGHT IN TO DRAIN SLUDGE TANK - HOSE	
8)	WAS NOT NEEDED.	
9)		
10)	• SLUDGE TANK PUMP, WOULD NOT PUMP, UNION RE-	
11)	MOVED, OIL PUT IN CHAMBER, STILL DID NOT PUMP	

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	INCREASED PRESSURE, WITH TAPPING THE CASING	
2)	IT BEGAN TO WORK	
3)		
4)	• COMPLETE SLUDGE TK WAS EMPTIED, AND AIR PUT TO	
5)	FILTER PRESS.	
6)		
7)	• WHILE FILLING FILTER PRESS WITH SLUDGE	
8)		
9)		
10)		
11)		

	IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)	

10-27-10

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

DATE: 10-26-10

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	SOME WATER ON FLOOR
SHARP EDGES	NONE
PINCH POINTS	"
OTHER HAZARDS	"

Air Compressor	General Conditions and Comments
TANK	OK
AFTER COOLER	OK
AIR DRIER	OK
MOTOR & COMPRESSOR	USED BRIEFLY TO AIR OUT SLUDGE TK.

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

Notes and Comments:

SLUDGE TANK IS BEING EMPTIED, SLUDGE BEING SENT TO FILTER PRESS.

SIGNED: Pat Wakely

DATE: 10-27-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DUE

DATE: 10-22-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	740	OPS	1555	
JAMES S. JACKSON	J Jackson	0815	OPS	1425	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: Wednesday
Date: 10-27-10

Weather Forecast (am): Raining, warm, and muggy. Temperatures are to range from 66-70-56^{O}F. Wind is expected from the SSW at 12-8 mph. Relative humidity is 85-100%. Rain is expected throughout the day, heavy at times with possible T-storm activity.

Total Volume Processed for Day: 568,688 gallons

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

Reason for Downtime:
No downtime to report

Significant Operational Problems:
A large amount of carbon has found its way into the RCY tank

Corrective Maintenance Performed:
Worked on carbon problem in RCY tank
Cleaned pH electrodes in reaction tanks

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 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.

End of the month documentation continues.

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

Plant Manager Signature: Peter Takach, October 28, 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: 10-27-10 Time: 0543

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
392	0	24839

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	330043	65680					63780
EW-2	269470	232950					57556
EW-3	246401	242730					61921

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.9	96	4389944	ANOTHER WARM MORNING, SOME
IW-2	117.7	94	4042148	RAIN AT TIMES
IW-3	163.4	112	4252984	
IW-4	159.6	81	3655624	PLANT IS RUNNING FINE

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74685	NM	SB	SB	STAND-BY
INF 2	73623		2	8	
INF 3	28732		2	7	
ASF 1	41922		SB	SB	STAND-BY
ASF 2	49599		0	31	
ASF 3	42876		0	31	
GAC 1	45224		SB	SB	STAND-BY
GAC 2	48619		2	15	
GAC 3	33776		2	16	
REC 1	21936		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65776		6	27	
INJ 2	39734		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER					

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

AS Blower (H_2O")	46	
Air Temp (°F)	56°	56°
Water Temp (°F)		16°C
V-GAC #1 (H_2O")	2.45	0.25
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.30	
Reactor Tank 2	5.34	
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 1/2"	

Additional comments:

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

Supervisors Signature: [signature] Date 10-28-10

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

OPERATOR: JJACKSON DATE: 15-27-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• WARM MORNING - WITH A STEADY RAIN AT TIMES	
2)		
3)	• PLANT RAN FINE LAST NIGHT	
4)		
5)	• THE DAILY OPERATOR LOG WAS COMPLETED	
6)		
7)	• BEGAN PUMPING OUT THE PLANT SUMP	
8)		
9)	• TURNED COMPRESSOR ON, BEGAN AIRING OUT	
10)	THE CARBON IN RECYCLE TANK, BEGAN	
11)	DRAINING WATER TO SUMP.	

	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 10-28-10

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

DATE: 10-27-10

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	✓	✓	✓	PUMP WATER FROM SUMP
RECYCLE	✓	✓	–	TANK HAS CARBON
AIR STRIPPER FEED	✓	✓	✓	OK
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

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

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

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

Notes and Comments:

AIRING OUT THE CARBON IN RECYCLE TANK, WATER GOING TO SUMP. FROM SUMP WATER IS BEING PUMP TO SLUDGE TANK.

SIGNED: [signature]

DATE: 10-28-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: WED 10-27-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	740	OPS	1515	
JAMES S. JACKSON	J Jackson	0837	CPS	1400	Home
RICHARD C. CRONCE			PCT		

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: 10-28-10

Weather Forecast (am): Cloudy, warm, humid, and damp. Temperatures are to range from 64-71-47^{O}F. Wind is from the WSW-west at 9-13-10 mph. Relative humidity is 70-55% with no rain expected. Temps to drop overnight.

Total Volume Processed for Day: 562,577 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:
M-8 pump was disassembled, cleaned, and reassembled. Pump was used to pump carbon from RCY tank to sump. It was also used to pump sludge to sludge tank.

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:
Water level readings were taken at the infiltration galleries. The IG meter readings were recorded.

Available Analytical Results:
No new data received

Calibration Procedures Performed:
No calibrations required

General Remarks:
The plant continues to operate at high flow rates. Plant influent flow is set at 372 gpm and effluent flow is ~390 gpm.

The carbon sludge was removed from the RCY tank.

End of the month documentation continues.

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

Plant Manager Signature: Peter Takach, October 29, 2010

Attachments:

Daily Operating Log
Daily Site Safety Inspection Log
Sign In Sheet

cc: SAIC Program Manager
USACE Project Manager
File

TABLE 6-2 - DAILY OPERATING LOG (Revised 1-21-10)

Operator: TAKACH Day: THURSDAY Date: 10-28-10 Time: 7:20

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	24899@717

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	330215	166290				NM	63797
EW-2	269659	182400					57573
EW-3	246599	189913					61938

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.9	95.1	440460857	
IW-2	118.0	94.0	405666765	
IW-3	163.4	111.7	427020716	
IW-4	154.9	81.6	366355447	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74885	NM	OL	—	
INF 2	73648		0	10	
INF 3	28757		1.5	9.0	LEAK AT PI OUT
ASF 1	41922		OL	—	
ASF 2	49624		0	31	
ASF 3	42901		0	30	
GAC 1	45224		OL	—	
GAC 2	48694		1	15.5	
GAC 3	33801		0	16.0	
REC 1	21936		SB	—	
REC 2	20742		SB	—	
INJ 1	65801		7	27	
INJ 2	39759		9	27	
INJ 3	—		NIS	—	
SUMP	15547	—	—	—	
BLOWER	—	↓	—	—	

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

AS Blower (H_2O")	9.5	—
Air Temp (°F)	55	56
Water Temp (°F)	58	—
V-GAC #1 (H_2O")	2.60	0.100
V-GAC #2 (H_2O")	OL	—

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.29	NM
Reactor Tank 2	5.33	
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	13.5	
Treat. Train 2	13.0	

Additional comments:
RC4 IS DOWN AS CARBON STILL NEEDS TO BE CLEANED OUT

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

Supervisors Signature: Date 10-29-10

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

DATE: 10-28-10

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				N/S NO LEAKS
CAUSTIC				
POTASSIUM PERMANGANATE				
HYDROCHLORIC ACID				

Process Tanks

	Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION			
TREATED WATER			
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 REMOVING CARBON
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] 10-29-10 **DATE:** _____

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: THURS OCT 28

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	7:00	OPS	16:00	
JAMES S. JACKSON					
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: Friday
Date: 10-29-10

Weather Forecast (am):
Fri.: Sunny and cool. Temps are to range 48-56-40°F. Wind from the WNW-NW at 8-15 mph. Relative humidity is 50% with no precipitation expected.
Sat.: Sunny, cool, 41-57-46°F. Wind 18 mph SW, RH at 55%, no rain expected.
Sun.: Mostly sunny, 47-55-41°F. Wind at 15>5 mph from NW-Ne. RH at 60%, no ppt.

Total Volume Processed for period (10/29 -11/1): 1,700,393 gallons

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

Reason for Downtime:
No downtime to report

Significant Operational Problems:
Sludge tank is packed and will not drain

Corrective Maintenance Performed:
Rotated process pumps from 2&3 to 1&2
Cleared rocks away from sump tank lids
Set up M-8 to feed the press from the sludge tank

Verbal/Written Instruction from Government Personnel:
No new instructions

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:
The process motor amperage draws were recorded

Available Analytical Results:
No new data available

Calibration Procedures Performed:
No calibrations required

General Remarks:
Plant operation has been stable with steady influent and effluent flows.

Cleaning up plant and base-lining equipment

End of the month documentation continues

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

Plant Manager Signature: Peter Takach, November 1, 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: 10-29-10 Time: 0905

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	24951

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	336367	167890				11.6	63812
EW-2	269825	184040				11.1	57586
EW-3	246774	191860				13.1	61953

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	163.0	96	4417152	PLANT RAN WELL OVERNIGHT
IW-2	117.6	94	4069093	
IW-3	163.4	112	4284911	TEMP @ 52°, RATHER COOL
IW-4	154.8	81	3679158	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	74585	0.7	SB	SB	STAND-BY
INF 2	73669	1.4	2	5	
INF 3	28778	1.2	2	7	
ASF 1	41922	B.L	SB	SB	STAND-BY
ASF 2	49645	6.4	0	31	
ASF 3	42922	6.7	0	31	
GAC 1	45224	5.0	SB	SB	STAND-BY
GAC 2	48715	6.5	2	15	
GAC 3	33823	6.7	2	16	
REC 1	21936	1.1	OFF	OFF	
REC 2	20742	1.7	OFF	OFF	
INJ 1	65822	5.6	6	27	
INJ 2	39780	7.8	8	27	
INJ 3	—	=	NIS	NIS	NOT IN SERVICE
SUMP		1.2			
BLOWER		2.8			

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

AS Blower (H_2O")	4.6	
Air Temp (°F)	56°	56°
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	5.30	
Reactor Tank 2	5.33	
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: [signature] Date 11-1-10

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

OPERATOR: J JACKSON DATE: 10-29-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • THIS MORNING IS A COOL FALL LIKE MORNING, TEMP	
2) AT 52°F, NO FROST YET - IT WILL REMAIN COOL THROUGH	
3) OUT THE DAY.	
4)	
5) • THE DAILY OPERATORS LOG WAS COMPLETED	
6)	
7) • THE MONTHLY AMP DRAWS WERE TAKEN	
8)	
9) • THE LOWER LEVEL OF PLANT WAS MOPPED	
10)	
11) • THE SLUDGE DECANT VALVE IS OPENED	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • M1 - PUMP BEING USED TO PUMP SLUDGE &	
2) CARBON TO FILTER PRESS.	
3)	
4) • HAYWARD VALVE SEEM TO BE WORKING OP-	
5) POSITE OF WHAT IT SHOULD BE WORKING. THE	
6) HANDLE MAY HAVE SLIPPED-	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Pat Tabacco 11-1-10

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

DATE: 10-29-10

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				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	SOME WATER ON FLOOR
SHARP EDGES	NONE
PINCH POINTS	"
OTHER HAZARDS	"

Air Compressor	General Conditions and Comments
TANK	OK
AFTER COOLER	OK
AIR DRIER	OK
MOTOR & COMPRESSOR	RUNNING FOUR HOURS TODAY

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

Notes and Comments:

SIGNED: _____ DATE: 11-1-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

FRI

DATE: 10-29-16

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	730	OPS	1500	✓
JAMES S. JACKSON	J Jackson	0501	OPS	1345	Home
RICHARD C. CRONCE		RFI			