SEPTEMBER 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

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ACRONYMS AND ABBREVIATIONS

ALSI	Analytical Laboratory Services, Inc.
AS	air stripping
ASF	air stripper feed
ASR	Analytical Services Request
CLP	contract laboratories program
DESA	Division of Environmental Science and Assessment
DQCRs	daily quality control reports
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
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 September 2010, the period defined as 0600 hours, September 1, 2010, through 0600 hours, October 1, 2010. All work was performed in accordance with SAIC Contract W912 DQ-07-D-0044 - Task 0001 under Option Year 3 of the contract. The facility operated for 30 days in the September reporting period with 145 minutes of downtime due to a power outage. The injection pumps were shut off for an additional 50 minutes for the injection well falling head test.

NEMF (property owners) representatives were on the Claremont site to assess the beneficial use of the property.

A copy of Project Status Report No. 39 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.
- A power transformer was replaced on overhead door #2.
- Vapor-phase granular-activated carbon (VGAC) vessel #2 was rotated into service to test system. The system was switched back to vessel #1 after its successful start-up.
- The VGAC vessels were prepared for painting.
- A regulator and pressure gauge were installed on the compressed air utility port at the caustic feed system.
- Low-ground areas adjacent to the clean-outs of Infiltration Gallery #1 were filled in with local material.

- The transducer in IW #2 was pulled, inspected, and cleaned and then returned to the well. The unit continues with lower (~30 feet) than actual condition readings.
- Preventive maintenance was performed on the plant mowers and oil reservoirs changed.
- Several warning signs were re-hung on the perimeter fences.
- The floor sumps were cleaned of carbon sludge.
- Preventive maintenance was performed on the air compressor units. Oil and filters were changed.
- The clarifier inclined plates and the settling filter risers were brushed and cleaned.
- The loose power connection to liquid phase granular activated carbon pump No. 1 at the motor control cabinet (MCC) was secured.
- The monitoring wells were inspected.

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

- None

3.2 Manufacturing Representatives

- None

3.3 Subcontractors and Deliveries

- Sirina Fire Protection Corporation was on-site to inspect the sprinkler system.

3.4 Visitors

- Representatives of New England Motor Freight (property owners) were at the Claremont plant to survey usable property.

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 incidents or accidents occurred during September 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 and water quality data for the monitoring wells were collected during July's quarterly sampling events. 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 September 2010, as measured from 0600 hours on September 1, 2010, to 0600 hours on October 1, 2010, was 16,867,017 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) under the Long Term Response Action (LTRA) contract is 65,115,589 gallons. This is approximately 11 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 September was 390 gallons per minute (gpm) and 562,234 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 September are indicated below:

Injection Well System	Flow Average (gpm)	Volume Discharged (Gallons)
IW-1	95.2	4,112,530
IW-2	93.3	4,031,130
IW-3	110.7	4,783,040
IW-4	83.2	3,594,340
System	382.4	16,521,040

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

8.0 CHEMICAL CONSUMPTION

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

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

Low differential pressure readings across the vessels indicated that there was no need for backwashing at this time. There was no activity or maintenance on the vessels in September.

9.2 Vapor-Phase Carbon

Two 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.

VGAC-2 was temporarily put on-line to test its readiness. All is in order, and vessel 2 is available.

10.0 SLUDGE DISPOSAL

- No water treatment sludge was collected or disposed of during this period.
- Carbon sludge was removed from the floor drain sumps and transferred to lined metal drums.
- 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 September.

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 to the NYSDEC project manager of documents related to the operation of the plant.

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.

14.0 PROPOSED CHANGES TO STANDARD OPERATING PROCEDURES (SOP)

Procedures and standard forms are reviewed and revised as needed. In September, no revisions or submissions were required.

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 September included:

- The PD was sampled on four occasions for pH and temperature readings.
- The PD was sampled on September 8 for organics. These samples were shipped to the Division of Environmental Science and Assessment (DESA) laboratory for analysis.
- The PD was resampled on September 14 due to some problems with the previous samples. The organic samples were shipped to the DESA laboratory.
- An Analytical Services Request (ASR) was submitted for the October PW sampling task. The EPA assigned the DESA laboratory for the organic and inorganic samples. Analytical Laboratory Services, Inc. (ALSI) will handle the generic samples.

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)
September 7, 2010	6.34	16
September 13, 2010	6.51	16
September 20, 2010	6.41	17
September 27, 2010	6.20	16
Monthly Average	**6.37**	**16.25**

The NYSDEC discharge permit requires the PD to have an average monthly pH greater than 5.50. Based on the weekly readings presented above, 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 September 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 since April 2008. 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 September, 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 September 23. 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 showed some deterioration from August. IW-1 showed significant improvement form August and is trending better. IW-2 is appears stable (reading is interpolated up 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.

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

- September'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.

16.3 Sand Filtration Process

The sand filters operate as retention and settling tanks. The discharge nozzles and screens 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 September, the risers were extensively brushed and air sparged.

16.4 Air Stripping Process

All three air stripper feed (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.

Vapor carbon vessel #2 was put on-line and monitored. The system operated without problems and was put back into standby mode.

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 are acceptable, and no further action was required.

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.

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

FIGURES

Figure 7-1. Actual Versus Treated Water Goal

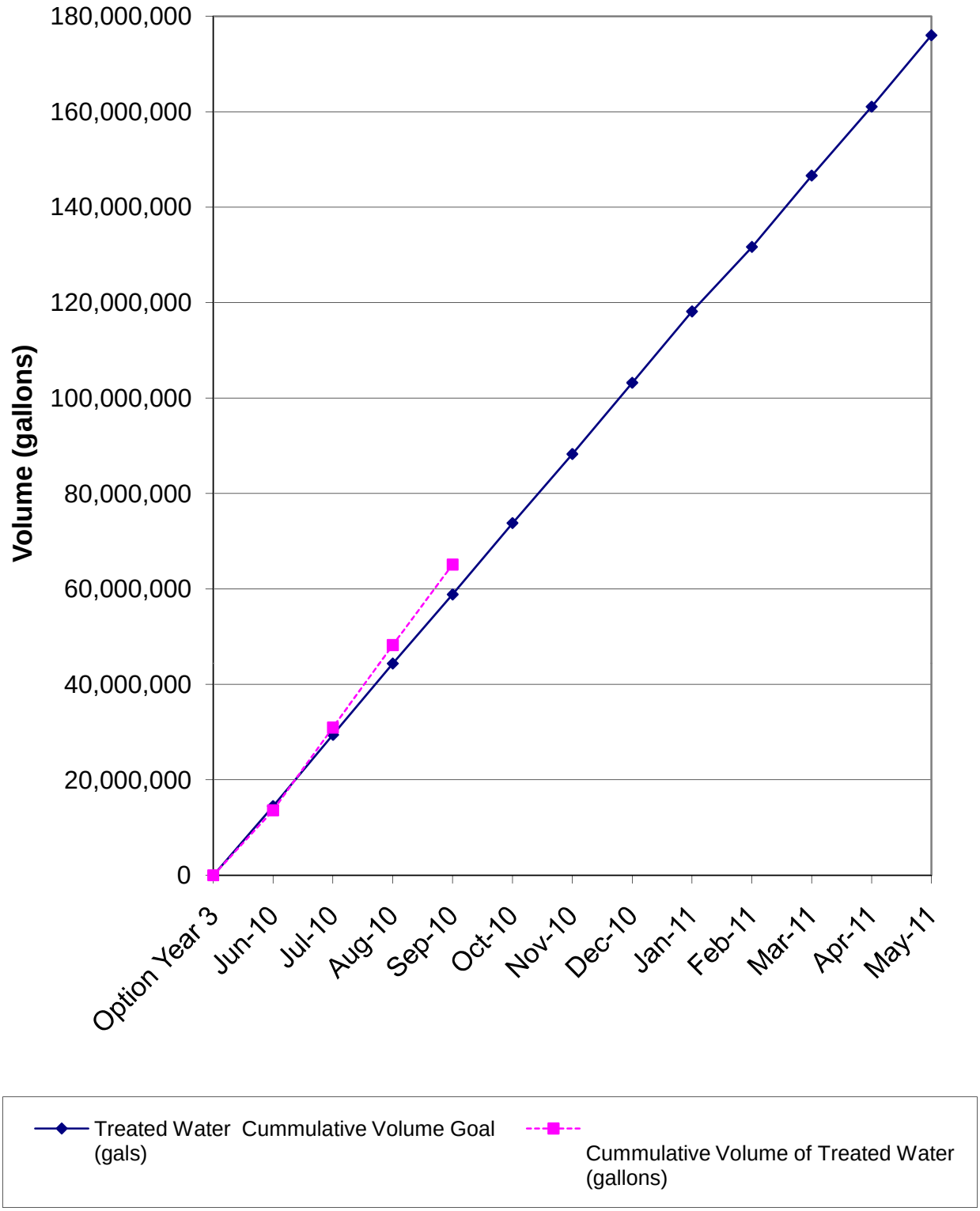


Figure 15-1 Injection Well Elevations and Daily Flow

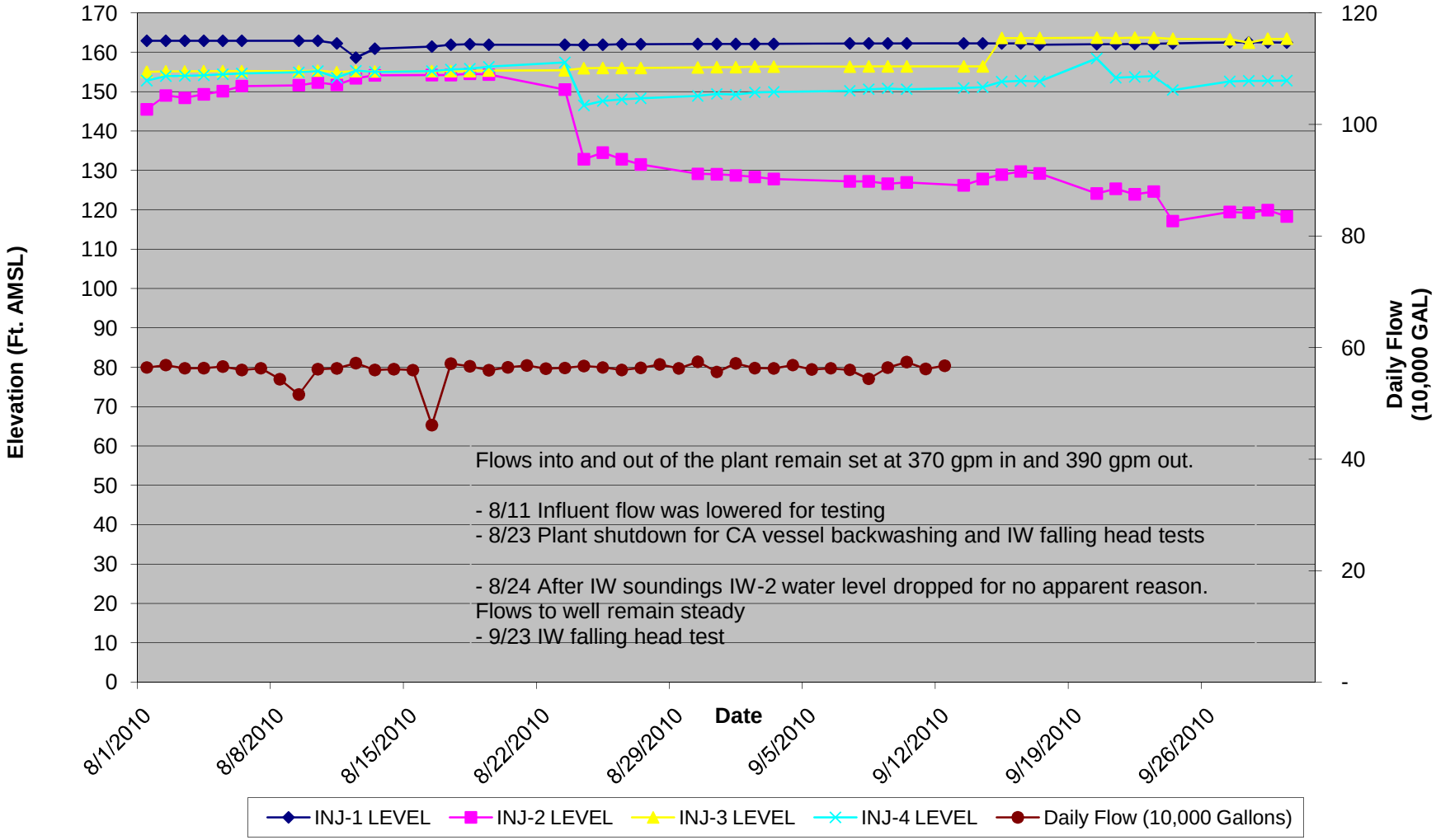


Figure 15-2 Injection Well Falling Head Test September 23, 2010

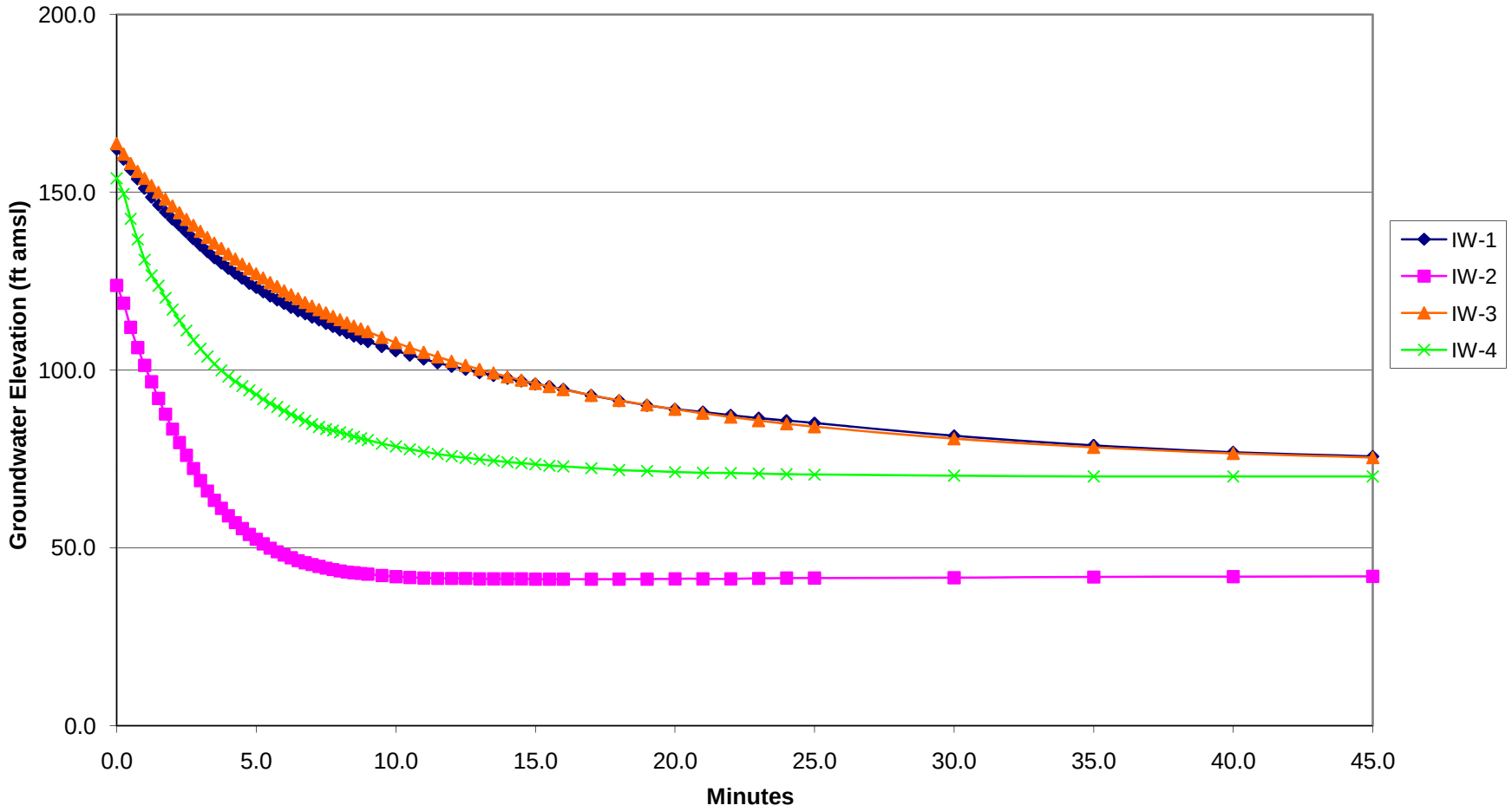
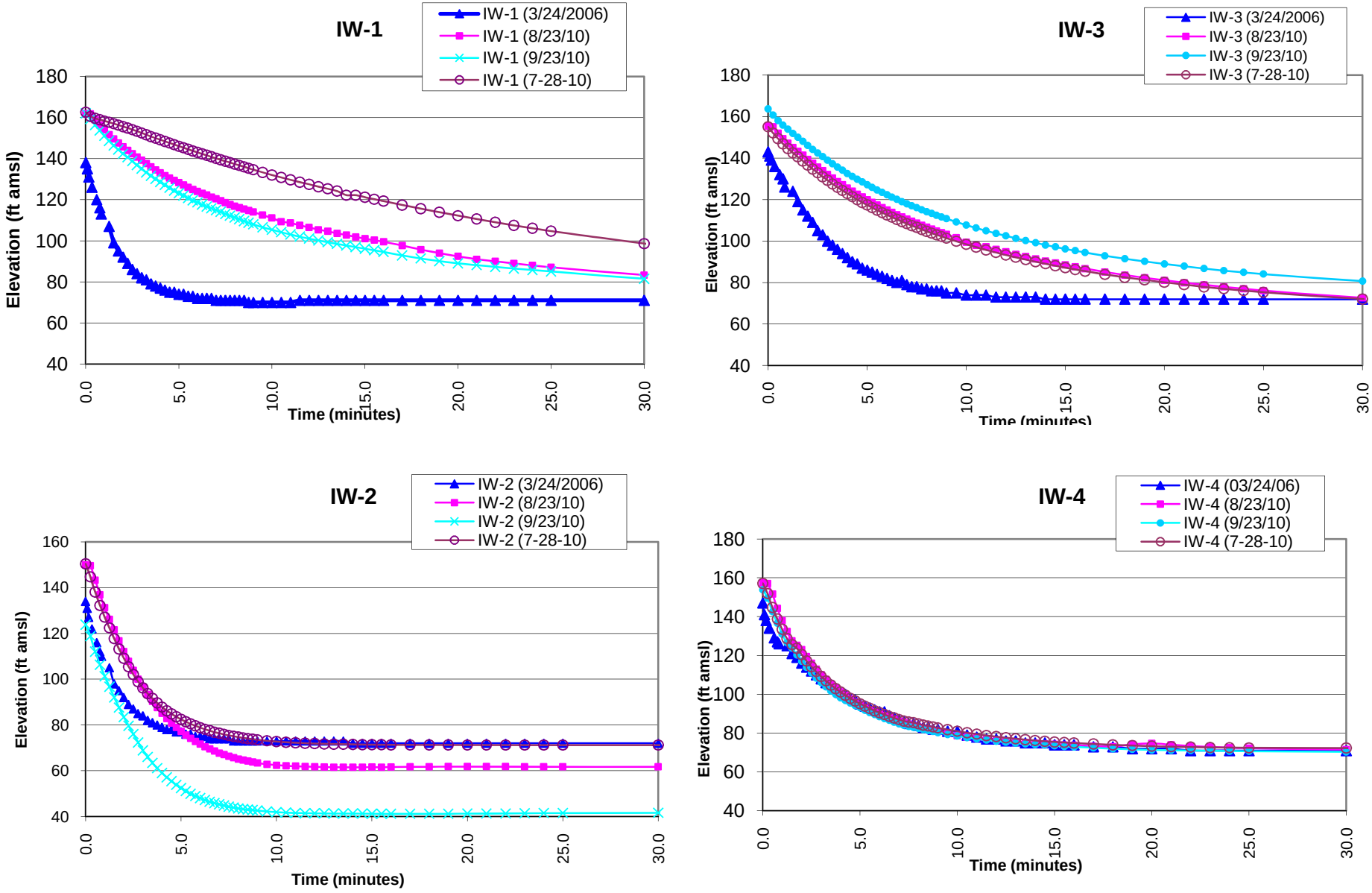


Figure 15-3 Comparison of Post-Redevelopment and March 2006 Falling Head Tests



TABLES

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

SYSTEM	UNITS	EQUIPMENT	ACTION	FREQUENCY	7-Sep	13-Sep	20-Sep	27-Sep	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 9/28
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 September
P#2 mech. seal installed 12/09			LUBRICATE	MONTHLY	FF	-	-	-	
			AMP DRAW	MONTHLY	-	-	-	complete	Amp Draws taken 9/28
	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 9/27
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 9/27
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. Valve leaks were fixed. (May)
		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

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

SYSTEM	UNITS	EQUIPMENT	ACTION	FREQUENCY	7-Sep	13-Sep	20-Sep	27-Sep	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. 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	7-Sep	13-Sep	20-Sep	27-Sep	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 September
	3	PUMP MOTORs	INSPECT	WEEKLY	FF	FF	FF	FF	amp draws taken 9/28
			LUBRICATE	AS NEEDED	FF	FF	FF	FF	pump 3 exhibits high pitch whine
	3	CHECK VALVES	LUBRICATE	MONTHLY	OK	OK	OK	OK	valves lubricated periodically
			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.
	1	MIXER	INSPECT	MONTHLY	NR	NR	NR	NR	
system tested 5/09			CLEAN	AS NEEDED	-	-	-	-	The system was operated for several days in June 2010. Fill system, mixer, level controls, and pumps operate. Pump 1 is a little weaker than #2.
pump2 replaced 7/07	2	PUMPS	INSPECT	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	INSPECT	WEEKLY	-	-	-	-	heater duct painted 8/10
	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 9/28
last greased 8/31/10			GREASE BEARINGS	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	7-Sep	13-Sep	20-Sep	27-Sep	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 September
New PG (P-2 out) 9/08			LUBRICATE	AS NEEDED	FF	-	-	-	
			AMP DRAW	MONTHLY	-	-	-	-	Amp Draws taken 9/28
	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 8/23/10
	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 9/28
IW-3 pipe repaired 1/10	4	Injection Wells	Inspect	AS NECESSARY	FF	FF	FF	FF	Falling head tests completed 9/24 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	7-Sep	13-Sep	20-Sep	27-Sep	COMMENTS
	1	BACKWASH FEED VALVE	EXERCISE	MONTHLY	FF	FF	FF	FF	exercised during backwash operations
Insulation removed 4/10	2	Level Monitor	INSPECT	WEEKLY	FF	FF	FF	FF	
	2	level Monitor isolation valves	EXERCISE	MONTHLY	FF/FF	-	-	-	
	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	System cleaned of carbon sludge Sept 2010
	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	-	-	-	-	
			AMP DRAW	MONTHLY	-	-	-	-	Amp Draws taken 9/28
	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	-	-	-	-	exercised when empting tank
	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 8/09
AIR HANDLING UNIT	3	BELTS	INSPECT	SEMI-ANNUALLY	NR	-	-	-	last inspection 11/09
	1	MOTOR BEARING	LUBRICATE	SEMI-ANNUALLY	NR	-	-	-	last lubbed 7/09
	1	BLOCK BEARING (SOUTH)	LUBRICATE	SEMI-ANNUALLY	NR	-	-	-	last Lubbed 11/09
		Filters	inspect/replace	AS NEEDED	NR	-	-	-	last changed 2/08
	1	BEARING (NORTH)	LUBRICATE	SEMI-ANNUALLY	NR	-	-	-	last lubbed 11/09
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] (ft)	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[a] (ft)	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b] (ft)	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	-121.47 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	-102.49 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	-106.75 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	-177.28 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	-166.15 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 Readings at time of depth to water readings

Notes:
a)
b) Reference
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	Northing (NAD27)	Sample Date	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)
EW-1A	193873.779	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	193883.104	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	193876.735	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	193955.252	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	193968.144	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	193965.658	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	194009.000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-3A	192803.360	NM	NM	NM		dry		22-Nov-02	103.90	55.02	NM	NM	NM		dry			dry			dry	
EW-3B	192823.359	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	192822.360	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	194255.578	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	194249.291	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	194242.950	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	194268.565	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-5	194051.026	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	194695.522	NM	NM	NM		dry			dry		NM	NM	NM	16-Apr-03	67.66	62.66	NM	NM	NM		dry	
EW-6B	Aban		abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned	
EW-6C	194691.623	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	194676.000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-7D	194677.613	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-8D	194519.683	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-9D	194596.601	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-10C	194593.000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-11D	193993.198	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-12D	194110.000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-13D	194557.000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-14D	191632.016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
SW-2	194051.190		dry			dry			dry			dry			dry			dry			dry	
DW-2	194063.355	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	194071.311		dry			dry			dry			dry			dry			dry			dry	
DW-1	194070.541	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	193617.347	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	194341.106	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	194312.475	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	192831.355	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	193670.718	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-8B	193723.370	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	193723.373	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	193334.083	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	193355.184	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	193341.537	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	190227.267	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	190244.367	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	190276.367	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	194259.860	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	193746.762	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	193853.944	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	193997.321	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	194419.137	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	194434.129	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	194438.720	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	194315.518	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[f]	194391.807																					
IG-3[f]	194455.720																					

Well Transducer Readings 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	Northing (NAD27)	Sample Date	Depth to Water Below Ref El[b] (ft)	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	193873.779	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	193883.104	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	193876.735	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	193955.252	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	193968.144	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	193965.658	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	194009.000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-3A	192803.360	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	192823.359	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	192822.360	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	194255.578	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	194249.291	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	194242.950	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	194268.565	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-5	194051.026	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	194695.522	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	Aban		abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned	
EW-6C	194691.623	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	194676.000	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	194677.613	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	194519.683	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	194596.601	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	194593.000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-11D	193993.198	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-12D	194110.000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-13D	194557.000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-14D	191632.016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
SW-2	194051.190		dry			dry			dry			dry			dry			dry			dry	
DW-2	194063.355	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	194071.311	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	194070.541	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	193617.347	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	194341.106	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	194312.475	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	192831.355	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	193670.718	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-8B	193723.370	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-8C	193723.373	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	193334.083	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	193355.184	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	193341.537	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	190227.267	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[f]	NM	14-Apr-05	64.60	59.94	NM	NM	NM
BP-3B	190244.367	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[f]	NM	14-Apr-05	65.92	57.65	NM	NM	NM
BP-3C	190276.367	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[f]	NM	14-Apr-05	66.12	57.56	NM	NM	NM
RW-01	194259.860		abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned	
EX-1	193746.762	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	193853.944	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	193997.321	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	194419.137	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	194434.129	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	194438.720	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	194315.518	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[f]	194391.807																					
IG-3[f]	194455.720																					

Well Transducer Readings 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		
Well ID	Northing (NAD27)	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] (ft)	Water Elevation (ft AMSL)
EW-1A	193873.779	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
EW-1B	193883.104	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
EW-1C	193876.735	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
EW-2A	193955.252	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
EW-2B	193968.144	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
EW-2C	193965.658	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
EW-2D	194009.000	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
EW-3A	192803.360	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
EW-3B	192823.359	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
EW-3C	192822.360	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
EW-4A	194255.578	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
EW-4B	194249.291	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
EW-4C	194242.950	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
EW-4D	194268.565	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-5	194051.026	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
EW-6A	194695.522	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
EW-6B	Aban	abandoned			abandoned			abandoned			abandoned			abandoned			abandoned		
EW-6C	194691.623	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
EW-7C	194676.000	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
EW-7D	194677.613	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
EW-8D	194519.683	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
EW-9D	194596.601	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
EW-10C	194593.000	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
EW-11D	193993.198	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	22-May-06	98.33	67.00
EW-12D	194110.000	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
EW-13D	194557.000	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
EW-14D	191632.016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	22-May-06	39.49	62.64
SW-2	194051.190	dry			dry			dry			dry			dry			dry		
DW-2	194063.355	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
SW-1	194071.311	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
DW-1	194070.541	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
LF-02	193617.347	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
PPW-1	194341.106	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
WT-01	194312.475	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
MW-6D	192831.355	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
MW-8A	193670.718	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-8B	193723.370	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	22-May-06	NM	NM
MW-8C	193723.373	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
MW-10B	193334.083	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
MW-10C	193355.184	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
MW-10D	193341.537	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
BP-3A	190227.267	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
BP-3B	190244.367	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
BP-3C	190276.367	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
RW-01	194259.860	abandoned			abandoned			abandoned			abandoned			abandoned			abandoned		
EX-1	193746.762	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
EX-2	193853.944	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
EX-3	193997.321	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
IW-1	194419.137	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
IW-2	194434.129	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
IW-3	194438.720	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
IW-4	194315.518	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
IG-1[f]	194391.807																		
IG-3[f]	194455.720																		

Well Transducer Readings at time of depth to water readings

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

		July 2006			October 2006			January 2007			May 2007			July 2007		
Well ID	Northing (NAD27)	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)
EW-1A	193873.779	18-Jul-06	62.98	67.02	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
EW-1B	193883.104	18-Jul-06	62.54	67.99	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
EW-1C	193876.735	18-Jul-06	63.26	67.18	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
EW-2A	193955.252	18-Jul-06	91.11	66.25	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
EW-2B	193968.144	18-Jul-06	91.59	66.14	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
EW-2C	193965.658	18-Jul-06	91.77	65.89	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
EW-2D	194009.000	18-Jul-06	91.58	66.66	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
EW-3A	192803.360	18-Jul-06	94.45	64.50	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
EW-3B	192823.359	18-Jul-06	94.64	64.45	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
EW-3C	192822.360	18-Jul-06	94.58	64.37	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
EW-4A	194255.578	18-Jul-06	94.50	67.28	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
EW-4B	194249.291	18-Jul-06	94.54	67.26	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
EW-4C	194242.950	18-Jul-06	94.33	67.21	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
EW-4D	194268.565	18-Jul-06	94.44	67.33	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
EW-5	194051.026	18-Jul-06	69.75	67.23	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
EW-6A	194695.522	18-Jul-06	61.00	69.32	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
EW-6B	Aban	abandoned			abandoned			abandoned			abandoned			abandoned		
EW-6C	194691.623	18-Jul-06	61.80	68.60	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
EW-7C	194676.000	18-Jul-06	85.50	68.29	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
EW-7D	194677.613	18-Jul-06	85.50	68.21	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
EW-8D	194519.683	18-Jul-06	63.52	68.02	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
EW-9D	194596.601	18-Jul-06	69.40	68.13	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
EW-10C	194593.000	18-Jul-06	92.62	68.32	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
EW-11D	193993.198	18-Jul-06	98.65	66.68	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
EW-12D	194110.000	18-Jul-06	97.30	67.12	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
EW-13D	194557.000	18-Jul-06	97.50	67.23	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
EW-14D	191632.016	18-Jul-06	39.53	62.60	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
SW-2	194051.190	dry			dry			dry			dry			dry		
DW-2	194063.355	18-Jul-06	70.55	65.87	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
SW-1	194071.311	18-Jul-06	64.20	67.29	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
DW-1	194070.541	18-Jul-06	64.10	67.28	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
LF-02	193617.347	18-Jul-06	51.50	67.20	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
PPW-1	194341.106	18-Jul-06	69.37	67.37	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
WT-01	194312.475	18-Jul-06	96.60	67.97	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
MW-6D	192831.355	18-Jul-06	94.72	65.67	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
MW-8A	193670.718	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-8B	193723.370	18-Jul-06	NM	NM	07-Oct-06	NM	NM	4-Jan-07	NM	NM	11-May-07	NM	NM	5-Jul-07	NM	NM
MW-8C	193723.373	18-Jul-06	69.00	66.72	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
MW-10B	193334.083	18-Jul-06	95.70	65.42	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
MW-10C	193355.184	18-Jul-06	94.80	65.47	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
MW-10D	193341.537	18-Jul-06	95.90	65.27	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
BP-3A	190227.267	27-Jul-06	60.99	63.55	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
BP-3B	190244.367	27-Jul-06	NM	NM	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
BP-3C	190276.367	27-Jul-06	NM	NM	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
RW-01	194259.860	abandoned			abandoned			abandoned			abandoned			abandoned		
EX-1	193746.762	18-Jul-06	68.38	65.93	07-Oct-06	79.75	54.56	4-Jan-07	72.27	62.04	10-May-07	NM	NM	5-Jul-07	NM	NM
EX-2	193853.944	18-Jul-06	87.95	58.30	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
EX-3	193997.321	18-Jul-06	103.82	56.87	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
IW-1	194419.137	18-Jul-06	22.88	142.00	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
IW-2	194434.129	18-Jul-06	18.88	146.00	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
IW-3	194438.720	18-Jul-06	13.88	151.00	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
IW-4	194315.518	18-Jul-06	10.88	154.00	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
IG-1[f]	194391.807															
IG-3[f]	194455.720															

Well Transducer Readings at time of depth to water readings

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

		October 2007			January 2008			April 2008			July 2008			October 2008			January 2009		
Well ID	Northing (NAD27)	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] (ft)	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b] (ft)	Water Elevation (ft AMSL)
EW-1A	193873.779	5-Oct-07	62.54	67.46	8-Jan-08	62.95	67.05	10-Apr-08	62.49	67.51	14-Jul-08	62.97	67.03	7-Oct-08	63.58	66.42	12-Jan-09	63.22	66.78
EW-1B	193883.104	5-Oct-07	63.03	67.50	8-Jan-08	63.90	66.63	10-Apr-08	63.00	67.53	14-Jul-08	63.86	66.67	7-Oct-08	64.38	66.15	12-Jan-09	63.82	66.71
EW-1C	193876.735	5-Oct-07	62.72	67.72	8-Jan-08	63.69	66.75	10-Apr-08	62.71	67.73	14-Jul-08	63.72	66.72	7-Oct-08	64.30	66.14	12-Jan-09	63.84	66.60
EW-2A	193955.252	5-Oct-07	90.71	66.65	8-Jan-08	91.35	66.01	10-Apr-08	90.72	66.64	16-Jul-08	91.53	65.83	9-Oct-08	91.59	65.77	12-Jan-09	91.90	65.46
EW-2B	193968.144	5-Oct-07	90.82	66.91	8-Jan-08	91.54	66.19	10-Apr-08	90.98	66.75	14-Jul-08	91.80	65.93	10-Oct-08	92.65	65.08	12-Jan-09	91.40	66.33
EW-2C	193965.658	5-Oct-07	90.64	67.02	8-Jan-08	91.82	65.84	10-Apr-08	91.25	66.41	14-Jul-08	91.35	66.31	9-Oct-08	92.40	65.26	12-Jan-09	91.79	65.87
EW-2D	194009.000	5-Oct-07	90.91	67.33	8-Jan-08	91.40	66.84	10-Apr-08	90.85	67.39	16-Jul-08	91.79	66.45	7-Oct-08	92.18	66.06	13-Jan-09	91.62	66.62
EW-3A	192803.360	5-Oct-07	94.35	64.60	8-Jan-08	94.89	64.06	10-Apr-08	94.21	64.74	14-Jul-08	94.64	64.31	8-Oct-08	95.15	63.80	13-Jan-09	94.83	64.12
EW-3B	192823.359	5-Oct-07	94.58	64.51	8-Jan-08	95.09	64.00	10-Apr-08	94.32	64.77	14-Jul-08	94.96	64.13	8-Oct-08	95.48	63.61	13-Jan-09	94.75	64.34
EW-3C	192822.360	5-Oct-07	94.48	64.47	8-Jan-08	95.01	63.94	10-Apr-08	94.21	64.74	17-Jul-08	94.85	64.10	8-Oct-08	95.24	63.71	13-Jan-09	94.69	64.26
EW-4A	194255.578	5-Oct-07	94.18	67.60	8-Jan-08	94.98	66.80	10-Apr-08	94.10	67.68	15-Jul-08	95.20	66.58	7-Oct-08	95.50	66.28	13-Jan-09	94.90	66.88
EW-4B	194249.291	5-Oct-07	94.22	67.58	8-Jan-08	95.52	66.28	10-Apr-08	94.12	67.68	15-Jul-08	94.76	67.04	7-Oct-08	95.68	66.12	13-Jan-09	95.00	66.80
EW-4C	194242.950	5-Oct-07	93.95	67.59	8-Jan-08	94.61	66.93	10-Apr-08	93.82	67.72	16-Jul-08	94.77	66.77	7-Oct-08	95.15	66.39	13-Jan-09	94.20	67.34
EW-4D	194268.565	5-Oct-07	94.02	67.75	8-Jan-08	94.59	67.18	10-Apr-08	93.82	67.95	14-Jul-08	94.85	66.92	6-Oct-08	95.33	66.44	12-Jan-09	94.48	67.29
EW-5	194051.026	5-Oct-07	69.04	67.94	8-Jan-08	70.00	66.98	10-Apr-08	69.03	67.95	15-Jul-08	70.50	66.48	8-Oct-08	70.55	66.43	14-Jan-09	69.63	67.35
EW-6A	194695.522	5-Oct-07	61.01	69.31	8-Jan-08	61.69	68.63	10-Apr-08	61.28	69.04	17-Jul-08	61.84	68.48	7-Oct-08	62.31	68.01	14-Jan-09	61.55	68.77
EW-6B	Aban	abandoned			abandoned			abandoned			abandoned			abandoned			abandoned		
EW-6C	194691.623	5-Oct-07	61.30	69.10	8-Jan-08	62.00	68.40	10-Apr-08	61.30	69.10	17-Jul-08	62.30	68.10	7-Oct-08	62.80	67.60	13-Jan-09	61.89	68.51
EW-7C	194676.000	5-Oct-07	85.11	68.68	8-Jan-08	85.58	68.21	10-Apr-08	85.20	68.59	14-Jul-08	85.83	67.96	6-Oct-08	86.39	67.40	12-Jan-09	85.69	68.10
EW-7D	194677.613	5-Oct-07	85.14	68.57	8-Jan-08	85.52	68.19	10-Apr-08	85.10	68.61	14-Jul-08	85.85	67.86	6-Oct-08	86.35	67.36	12-Jan-09	85.53	68.18
EW-8D	194519.683	5-Oct-07	63.02	68.52	8-Jan-08	63.42	68.12	10-Apr-08	62.95	68.59	14-Jul-08	63.68	67.86	6-Oct-08	64.24	67.30	12-Jan-09	63.49	68.05
EW-9D	194596.601	5-Oct-07	69.00	68.53	8-Jan-08	69.49	68.04	10-Apr-08	68.80	68.73	14-Jul-08	69.58	67.95	6-Oct-08	70.15	67.38	12-Jan-09	69.40	68.13
EW-10C	194593.000	5-Oct-07	92.26	68.68	8-Jan-08	92.88	68.06	10-Apr-08	92.33	68.61	14-Jul-08	92.93	68.01	7-Oct-08	93.59	67.35	13-Jan-09	92.84	68.10
EW-11D	193993.198	5-Oct-07	98.30	67.03	8-Jan-08	98.95	66.38	10-Apr-08	96.25	69.08	14-Jul-08	99.07	66.26	6-Oct-08	99.52	65.81	13-Jan-09	98.72	66.61
EW-12D	194110.000	5-Oct-07	97.10	67.32	8-Jan-08	97.54	66.88	10-Apr-08	97.10	67.32	14-Jul-08	97.86	66.56	6-Oct-08	98.35	66.07	13-Jan-09	97.73	66.69
EW-13D	194557.000	5-Oct-07	97.10	67.63	8-Jan-08	97.54	67.19	10-Apr-08	97.86	66.87	14-Jul-08	97.94	66.79	6-Oct-08	98.25	66.48	12-Jan-09	97.38	67.35
EW-14D	191632.016	gate locked			8-Jan-08	40.47	61.66	10-Apr-08	39.31	62.82	14-Jul-08	40.17	61.96	7-Oct-08	40.34	61.79	13-Jan-09	39.68	62.45
SW-2	194051.190	dry			dry			dry			dry			dry			dry		
DW-2	194063.355	5-Oct-07	70.01	66.41	8-Jan-08	71.68	64.74	10-Apr-08	69.99	66.43	15-Jul-08	70.60	65.82	8-Oct-08	70.96	65.46	14-Jan-09	70.80	65.62
SW-1	194071.311	5-Oct-07	63.80	67.69	8-Jan-08	64.59	66.90	10-Apr-08	63.74	67.75	15-Jul-08	64.50	66.99	8-Oct-08	64.05	67.44	14-Jan-09	64.65	66.84
DW-1	194070.541	5-Oct-07	64.01	67.37	8-Jan-08	64.10	67.28	10-Apr-08	63.64	67.74	15-Jul-08	64.20	67.18	8-Oct-08	64.64	66.74	14-Jan-09	64.20	67.18
LF-02	193617.347	5-Oct-07	50.70	68.00	8-Jan-08	51.20	67.50	10-Apr-08	50.70	68.00	16-Jul-08	52.54	66.16	8-Oct-08	51.94	66.76	14-Jan-09	51.60	67.10
PPW-1	194341.106	5-Oct-07	68.88	67.86	8-Jan-08	69.14	67.60	10-Apr-08	68.62	68.12	16-Jul-08	69.65	67.09	9-Oct-08	69.79	66.95	Permanently closed Oct. 2008		
WT-01	194312.475	5-Oct-07	96.01	68.56	8-Jan-08	96.60	67.97	10-Apr-08	96.13	68.44	16-Jul-08	96.65	67.92	9-Oct-08	97.29	67.28	14-Jan-09	96.63	67.94
MW-6D	192831.355	10-Oct-07	93.80	66.59	8-Jan-08	94.40	65.99	10-Apr-08	93.88	66.51	16-Jul-08	94.82	65.57	8-Oct-08	94.99	65.40	14-Jan-09	94.80	65.59
MW-8A	193670.718	NM	NM	NM	NM	NM	NM	10-Apr-08	68.40	64.78	17-Jul-08	68.40	64.78	8-Oct-08	69.25	63.93	14-Jan-09	68.91	64.27
MW-8B	193723.370	10-Oct-07	67.64	NM	8-Jan-08	67.41	56.27	10-Apr-08	67.80	66.44	15-Jul-08	68.48	NM	8-Oct-08	70.14	64.10	15-Jan-09	68.40	65.84
MW-8C	193723.373	10-Oct-07	68.53	67.19	8-Jan-08	69.19	66.53	10-Apr-08	68.50	67.22	16-Jul-08	69.21	66.51	8-Oct-08	70.30	65.42	14-Jan-09	68.90	66.82
MW-10B	193334.083	10-Oct-07	95.52	65.60	8-Jan-08	95.84	65.28	10-Apr-08	95.28	65.84	15-Jul-08	95.66	65.46	8-Oct-08	96.30	64.82	14-Jan-09	95.82	65.30
MW-10C	193355.184	10-Oct-07	94.48	65.79	8-Jan-08	94.90	65.37	10-Apr-08	94.32	65.95	15-Jul-08	95.95	64.32	9-Oct-08	95.34	64.93	15-Jan-09	94.80	65.47
MW-10D	193341.537	10-Oct-07	95.52	65.65	8-Jan-08	95.78	65.39	10-Apr-08	95.18	65.99	15-Jul-08	96.12	65.05	9-Oct-08	96.15	65.02	15-Jan-09	95.47	65.70
BP-3A	190227.267	5-Oct-07	61.15	63.39	8-Jan-08	62.91	61.63	10-Apr-08	62.18	62.36	16-Jul-08	62.08	62.46	8-Oct-08	62.35	62.19	14-Jan-09	62.50	62.04
BP-3B	190244.367	5-Oct-07	NM	NM	8-Jan-08	64.61	58.96	10-Apr-08	NM	NM	17-Jul-08	64.43	NM	9-Oct-08	64.51	59.06			123.57
BP-3C	190276.367	5-Oct-07	NM	NM	8-Jan-08	64.83	58.85	10-Apr-08	nm	NM	17-Jul-08	84.71	NM	9-Oct-08	64.76	58.92	15-Jan-09	64.78	58.90
RW-01	194259.860	abandoned			abandoned			abandoned			abandoned			abandoned			abandoned		
EX-1	193746.762	5-Oct-07	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	16-Oct-08	80.70	53.61	20-Jan-09	80.40	53.91
EX-2	193853.944	5-Oct-07	88.31	57.94	NM	NM	NM	NM	NM	NM	NM	NM	NM	16-Oct-08	87.98	58.27	20-Jan-09	86.90	59.35
EX-3	193997.321	5-Oct-07	94.01	66.68	NM	NM	NM	NM	NM	NM	NM	NM	NM	16-Oct-08	104.60	56.09	20-Jan-09	84.96	75.73
IW-1	194419.137	5-Oct-07	6.88	158.00	8-Jan-08	5.68	161.00	10-Apr-08	-2.42	167.30	25-Sep-08	1.60	163.28	17-Oct-08	6.05	158.83	20-Jan-09	0.00	164.88
IW-2	194434.129	5-Oct-07	8.88	156.00	8-Jan-08	6.51	162.30	10-Apr-08	-5.22	170.10	25-Sep-08	3.85	161.76	17-Oct-08	6.80	158.81	20-Jan-09	16.10	149.51
IW-3	194438.720	5-Oct-07	9.88	155.00	8-Jan-08	9.96	161.20	10-Apr-08	-4.72	169.60	25-Sep-08	1.62	164.64	17-Oct-08	10.55	155.71	20-Jan-09	4.70	161.56
IW-4	194315.518	5-Oct-07	6.88	158.00	8-Jan-08	10.49	157.80	10-Apr-08	6.48	158.40	25-Sep-08	11.80	154.29	17-Oct-08	10.55	155.54	20-Jan-09	7.50	158.59
IG-1[f]	194391.807																		
IG-3[f]	194455.720																		

Well Transducer Readings at time of depth to water readings

IW-1	17-Oct-08	162.3	20-Jan-09 169.5
IW-2	17-Oct-08	164.9	20-Jan-09 147.8
IW-3	17-Oct-08	159.5	20-Jan-09 165.2
IW-4	17-Oct-08	158.5	20-Jan-09 161.8

** 4/14/09 pr

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

		April 2009			July 2009			October 2009			Jan-10			Apr-10			Jul-10		
Well ID	Northing (NAD27)	Sample Date	Depth to Water Below Ref EI[b] (ft)	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref EI[b] (ft)	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref EI[b] (ft)	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref EI[a] (ft)	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref EI[b] (ft)	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref EI[b] (ft)	Water Elevation (ft AMSL)
EW-1A	193873.779	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	62.00	68.00
EW-1B	193883.104	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	61.90	68.63
EW-1C	193876.735	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	61.75	68.69
EW-2A	193955.252	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	90.20	67.16
EW-2B	193968.144	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	90.20	67.53
EW-2C	193965.658	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	90.05	67.61
EW-2D	194009.000	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	89.91	68.33
EW-3A	192803.360	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	92.68	66.27
EW-3B	192823.359	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	93.03	66.06
EW-3C	192822.360	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	93.00	65.95
EW-4A	194255.578	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	93.40	68.38
EW-4B	194249.291	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	93.63	68.17
EW-4C	194242.950	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	92.95	68.59
EW-4D	194268.565	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	93.01	68.76
EW-5	194051.026	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	69.32	67.66
EW-6A	194695.522	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	59.93	70.39
EW-6B	Aban	abandoned			abandoned			abandoned			abandoned			abandoned			abandoned		
EW-6C	194691.623	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	60.48	69.92
EW-7C	194676.000	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	84.13	69.66
EW-7D	194677.613	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	84.10	69.61
EW-8D	194519.683	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	61.83	69.71
EW-9D	194596.601	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	67.89	69.64
EW-10C	194593.000	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	93.82	67.12
EW-11D	193993.198	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	97.24	68.09
EW-12D	194110.000	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	96.03	68.39
EW-13D	194557.000	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	96.27	68.46
EW-14D	191632.016	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	38.25	63.88
SW-2	194051.190	dry			dry			dry			dry			dry			dry		
DW-2	194063.355	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	69.07	67.35
SW-1	194071.311	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	62.69	68.80
DW-1	194070.541	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	62.28	69.10
LF-02	193617.347	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	46.64	72.06
PPW-1	194341.106	Permanently closed Oct. 2008			Permanently closed Oct. 2008			Permanently closed Oct. 2008			Permanently closed Oct. 2008			Permanently closed Oct. 2008			Permanently closed Oct. 2008		
WT-01	194312.475	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	92.42	72.15
MW-6D	192831.355	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	92.59	67.80
MW-8A	193670.718	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	66.86	66.32
MW-8B	193723.370	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	66.10	68.14
MW-8C	193723.373	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	67.43	68.29
MW-10B	193334.083	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	90.95	70.17
MW-10C	193355.184	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	92.93	67.34
MW-10D	193341.537	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	94.20	66.97
BP-3A	190227.267	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	59.35	65.19
BP-3B	190244.367	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	62.21	61.36
BP-3C	190276.367	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	62.30	61.38
RW-01	194259.860	abandoned			abandoned			abandoned			abandoned			abandoned			abandoned		
EX-1	193746.762	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	79.20	55.11
EX-2	193853.944	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	87.10	59.15
EX-3	193997.321	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	107.22	53.47
IW-1	194419.137	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	5.20	159.68
IW-2	194434.129	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	11.98	153.63
IW-3	194438.720	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	5.30	160.96
IW-4	194315.518	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	8.98	157.11
IG-1[f]	194391.807																		
IG-3[f]	194455.720																		
Well Transducer Readings at time of depth to water readings		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		162.5
		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		147.0
		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		154.8
		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		155.2

oblems with DTW reading on Ext-3 (95.5 feet)

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

September 2010

DATE	TOTALIZER READING	GALLONS PER DAY	GALLONS PER MINUTE
9/1/2010	216996833	603167	419
9/2/2010	217600000	560000	389
9/3/2010	218160000	2260000	392
9/7/2010	220420000	560000	389
9/8/2010	220980000	560000	389
9/9/2010	221540000	580000	403
9/10/2010	222120000	1680000	389
9/13/2010	223800000	570000	396
9/14/2010	224370000	560000	389
9/15/2010	224930000	570000	396
9/16/2010	225500000	560000	389
9/17/2010	226060000	1690000	391
9/20/2010	227750000	570000	396
9/21/2010	228320000	560000	389
9/22/2010	228880000	560000	389
9/23/2010	229440000	570000	396
9/24/2010	230010000	1630000	377
9/27/2010	231640000	560000	389
9/28/2010	232200000	570000	396
9/29/2010	232770000	560000	389
9/30/2010	233330000	533850	371
10/1/2010	233863850		
Sept. 2010 TOTAL TREATED WATER		**16,867,017**	
Sept. 2010 AVERAGE GALLONS PER MINUTE DISCHARGED			**390**

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
Change 6/17/04 to present		**102.50**		**6.80**		**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		**76.50**		**0.32**		**0.50**		**0.98**

APPENDIX A

Project Status Reports

Project Status Report No. 39
Long Term Response Action (LTRA) Contract W912 DQ-07-D-0044-0001
Science Applications International Corporation
Date: September 28, 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 September 1, 2010 through September 26, 2010. This represents the thirty ninth status report under SAIC's Long Term Response Action (LTRA) contract W912 DQ-07-D-0044-0001.

Quantity of Water Treated

Approximately 14.6 million gallons of groundwater were treated during this 26 day period. This equates to 563,199 gallons per day of continuous water treatment at an average treatment rate of ~391 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 145 minutes this month due to a loss of power. The injection pumps were shut off for an additional 50 minutes to perrform the IW falling head tests.

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 was much tree damage around the monitoring well sites.
- There was a momentary power outage on 9/16. The systems reset automatically.
- There was a loss of power to plant on 9/24. The plant was down for 145 minutes and was manually restarted.

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 August was completed and submitted with associated documents.
- A budget draft was generated for operation of the GWTP through June 30, 2011.
- Submitted Scope of Work documents to SAIC Contracts for electrical work.

Upcoming

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

Operations and Maintenance Activities

This Reporting Period

- Daily, weekly and monthly O&M tasks on plant systems were performed.
- Comprehensive site safety inspections continue.
- Interior and exterior plant housekeeping continues.
- Acceptable water levels were maintained in the injection wells and galleries.
- The process pH electrodes were cleaned, calibrated and adjusted as needed.
- The process pumps were rotated twice during this period as part of the preventive maintenance (PM) task.
- A power transformer was installed on overhead door #2.
- Storm damage around plant and grounds was cleaned up.
- The VGAC vessels were rotated from 1 to 2 to 1
- The VGAC vessels were prepped for painting.
- A regulator and pressure gauge were installed on utility air line at the caustic tank.
- Low areas in the ground at the IG-1 drive-over cleanouts were filled in with local fill.
- The transducer for IW-2 was pulled from the well, cleaned and returned to the well. Unit is still reading low.
- Preventive maintenance tasks were completed on the mowers.
- Plant warning signs were re-hanged on the fences.
- The floor sumps were cleaned of carbon sludge.
- PM tasks were completed on the Air Compressor.
- The clarifier inclined plates and sandfilter risers were brushed.

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

- The monthly PD sampling task was completed September 8, with the organic samples shipped to DESA Lab. The samples were received at higher than acceptable temperatures. The plant discharge was re-sampled 9/13 with the samples shipped to DESA.
- The plant discharge was sampled for temperature and pH on 4 occasions.
- An ASR for October's PW samples was submitted. The USEPA has designated DESA lab for the analysis.

Upcoming

- Complete the October PW sampling tasks including documentation.
- Submit ASR for the November PD tasks and set schedule.

Database Development and Modeling

This Reporting Period

- No database development or modeling work was conducted this period.
- The groundwater model was used to quantify the degree of groundwater capture. The results showed that all of the groundwater from contaminated areas of the site is being captured by the extraction system.
- The groundwater model was used to determine that most of the chemical contamination collected by the Claremont groundwater treatment system is coming from an up-gradient source.

Upcoming

- Contact NYSDEC regarding analytical data from newly installed monitoring wells.
- Finalize the groundwater modeling report.
- Determine the ability of the current extraction well field and treatment plant to capture and treat the entire groundwater plume.

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

- A budget draft for extended operations (6/30/11) was submitted to USACE.

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.

CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

VISITOR/SUBCONTRACTOR LOG

Month & Year: SEPT. 2010

DATE	NAME	SIGNATURE	COMPANY	IN	OUT
9-20-10	Tony Trafficanti	[signature]	Swing FP	1025	1040

APPENDIX B

Daily Quality Control Reports (DQCRs)

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: 09-01-10

Weather Forecast (am): Mostly sunny, hot, and humid. Temperatures are to range from 76-92-71°F. Wind at 3-10 mph from the NW-S. Relative humidity is 45-55%. There is little chance of rain.

Total Volume Discharged for Day: 563,269 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:
Cleaned and adjusted process pH electrodes
Cleaned up north side yard

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 plant flows. Plant effluent averaged 391 gpm.

End of month documentation continues. A draft budget for the remainder of OY3 is under way.

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

Plant Manager Signature: Peter Takach, September 2, 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: 9-01-10 Time: 5:10

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	21698

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	321168	165570					62913
EW-2	259415	179050					56654
EW-3	735745	186110					61010

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
				This morning temp is 73°F, calm
IW-1	162.1	94	3622884	
IW-2	128.7	91	3286690	no wind.
IW-3	186.2	110	3354356	
IW-4	149.2	85	2996191	Plant is running fine

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73902	NM	3	12	
INF 2	72808		3	12	
INF 3	27917		SB	SB	Standby
ASF 1	40960		1	32	
ASF 2	48805		2	30	
ASF 3	42020		SB	SB	Stand-by
GAC 1	44261		3	15	
GAC 2	47875		3	15	
GAC 3	32920		SB	SB	Stand-by
REC 1	21933		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	64469		6	27	
INJ 2	38428		8	27	
INJ 3	—		NIS	NIS	Not in service
SUMP	—				
BLOWER	—				

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

AS Blower (H_2O")	4.6	
Air Temp (°F)	58°	58°
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	5.31	
Reactor Tank 2	5.25	
AS. Feed	6.11	
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	13¾"	

Additional comments:
Pulling weeds @ North side of Plant - Relocated over pack - Organized pipe 36" to 8"

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

Supervisors Signature: [signature] Date 9-2-10

Doc. No.: CPS-Form- 008

Jan. 21, 2010
Rev.:J

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

OPERATOR: J. JACKSON DATE: 9-01-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • TEMP @ 73°F, WARM MORNING - TEMP TO REACH IN	
2) LOW 90'S	
3)	
4) • the Daily operations Logs was Completed	
5)	
6) • Pulling Rocks @ North Side of PLANT	
7)	
8) • Relocated OVERPACK to the EAST PART of PLANT	
9)	
10) • WEEDS WERE TAKEN to LEAK PIle NEAR INJECTION	
11) WELLS.	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • FINISH CLEANING & stacking Pallets at the North	
2) SIDE OF PLANT - PVC SCH 80, FAN. PIPE WAS	
3) organize.	
4)	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

9-2-10

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

DATE: 9-01-10

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				NO
CAUSTIC				IN
POTASSIUM PERMANGANATE				SERVICE
HYDROCHLORIC ACID				

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

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		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	MORE WATER ON FLOOR
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	MOTOR LEAKS OIL

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

Notes and Comments:

SIGNED: P. Rickard DATE: 9-2-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

WED
DATE: 9-01-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	7:00	OPS	1530	
JAMES S. JACKSON	J Jackson	0502	operator	1330	Home
RICHARD C. CRONCE		RC			

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: Thursday
Date: 09-02-10

Weather Forecast (am): Partly sunny, hot, and humid. Temperatures should range from 78-89-70°F. Wind will be 7-16-14 mph from the SSW-south. Relative humidity is 65%. No precipitation I expected.

Total Volume Discharged for Day: 566,690 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:
Billy-goat mower was PM'd and oil changed

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 ~370 gpm in and ~393 gpm out. Average plant discharge flow for the day was 393 gpm

Draft of the extended budget was worked on. End of August documentation continues.

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

Plant Manager Signature: Peter Takach, September 3, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

DAILY OPERATING LOG (Revised 1-21-10)

Operator: TAKACH Day: THURSDAY Date: 9-2-10 Time: 7:35

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
393	NM	21760 @ 742

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	321348	167800				NM	62930
EW-2	259609	181360					56671
EW-3	235948	188610					61028

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.1	96.4	36379313	
IW-2	128.3	93.2	33012581	
IW-3	156.3	109.5	33716493	
IW-4	149.8	84.9	30096039	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	73928	NM	2	11	
INF 2	72834		2	11	
INF 3	27917		OL	—	
ASF 1	409860		0	31	
ASF 2	48831		0	30	
ASF 3	42020		OL	—	
GAC 1	44287		0	15	
GAC 2	47901		1	13	
GAC 3	32960		OL	—	
REC 1	21933		SB	—	
REC 2	20742		SB	—	
INJ 1	64495		6	27	
INJ 2	38454		9	27	
INJ 3	NIS		NIS	—	
SUMP	NM		—	—	
BLOWER	14215		—	—	

	INLET	OUTLET
GAC #1 (PSI)	10	9.0
GAC #2 (PSI)	11	10
AIR DRIER (PSI)	OL	—

AS Blower (H_2O")	4.5	—
Air Temp (°F)	56	59
Water Temp (°F)	—	68
V-GAC #1 (H_2O")	2.6	0.7
V-GAC #2 (H_2O")	OL	—

BROKEN TUBING

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.32	NM
Reactor Tank 2	5.36	
AS. Feed	6.11	
PLANT DISCHARGE - **pH**		
PLANT DISCHARGE - **Temp.**		

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13.5	NM
Treat. Train 2	13.0	NM

Additional comments:

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

Supervisors Signature: P. Takach Date 9-3-10

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

OPERATOR: J. JACKSON DATE: 9-03-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • ON SITE A BIT LATER THAN Normal.	
2)	
3) • PLANT MOWER'S UNDERNEATH, Where blade	
4) IS LOCATED, was hosed DOWN	
5)	
6) • Oil Was Changed	
7)	
8) • MOWER MAINTENANCE MANUAL was looked	
9) ON.	
10)	
11)	

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

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter Okal 9-3-10

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

DATE: 9-2-10

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 HOLDS WATER NO LEAKS
CAUSTIC				" "
POTASSIUM PERMANGANATE				" EMPTY
HYDROCHLORIC ACID				" HOLDS WATER - NO LEAKS

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
AIR STRIPPER FEED	✓	✓	✓	OK QUIET
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	HIGH LEVELS OF CONDENSATION ON FLOOR
SHARP EDGES	OK
PINCH POINTS	OK
OTHER HAZARDS	OK

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

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

Notes and Comments:

SIGNED: P. Rebal 9-3-10 DATE: ______

Doc. No.: **CPS-Form-009**

August 22, 2007
Rev.: C

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: THURS 9-2-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	720	SPS	1550	
JAMES S. JACKSON	J Jackson	0925	ODS	1455	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: 09-03-10

Weather Forecast (am): Mostly cloudy and humid. Temperatures are to range from 73-80-68°F. Winds are from the ESE-NNE at 2-18 mph. Relative humidity at 75-80% with heavy rain expected.
Saturday –Sunny, temps at 69-79-59°F, wind at 16-21 from WSW, RH at 50-60%, no rain.
Sunday – Sunny, temps at 60-75-62°F, wind at 6-15 from WSW, RH at 50-60%, no rain.
Monday – Sunny, temps at 65-79-66°F, wind at 8-13 from SW, RH at 60-70%, no rain.

Total Volume Processed for 4-day period (9/3 thru 9/7): 2,256,865 gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
None

Corrective Maintenance Performed:
Installed transformer in overhead control box
Secured warning signs to fences
Tightened cooling tubes on air compressor

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

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

Record of any tests performed, samples taken, and personnel involved:
No tests 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.
The plant was secured in anticipation of the heavy storms expected this weekend.
The overhead door was repaired and is functioning properly.

Continue to work on budget draft and monthly report.

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

Plant Manager Signature: Peter Takach ,September 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: Friday Date: 9-03-10 Time: 0525

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
187	188	375

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
393	0	21617

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	321502	167640					62945
EW-2	259776	161260					56606
EW-3	236122	188580					61042

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.1	95	3650617	This Morning it's Cloudy Temp
IW-2	127.8	85	3313555	@ 72°F, With Mild Wind
IW-3	156.3	109	3381212	
IW-4	149.9	86	3040858	PLANT IS RUNNING FINE

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73459	NM	3	12	
INF 2	72855		3	12	
INF 3	27917		SB	SB	STAND-BY
ASF 1	41007		1	31	
ASF 2	48852		1	30	
ASF 3	92020		SB	SB	STAND-BY
GAC 1	443 08		3	15	
GAC 2	47922		2	13	
GAC 3	32920		SB	SB	STAND-BY
REC 1	21933		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	64517		7	27	
INJ 2	38475		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—				
BLOWER	—				

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

AS Blower (H_2O")	4.5	
Air Temp (°F)	58°	58°
Water Temp (°F)		17°C
V-GAC #1 (H_2O")	2.60	0.90
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.33	
Reactor Tank 2	5.33	
AS. Feed	6.12	
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: P Pickel Date 9-7-10

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

OPERATOR: J JACKSON DATE: 9-03-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• ANother Cloudy Morning	NOW DARK IN the MORNING
2)		
3)	• the daily operators Log Completed	
4)		
5)	• FINISH WORKING ON the operators MANUAL	
6)		
7)	• Secured the 3' x 4' WARNING SIGNS TO PLANT	
8)	FENCE IN DIFFERENT LOCATIONS.	
9)		
10)	• Call sealed Parts DEPARTMENT to order Parts	
11)	(1) AIR FILTER / OIL FILTERS / COALESCING FILTERS	

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• ON the Compressor - Tightened & exhaust FINNS	
2)		
3)		
4)		
5)		
6)		
7)		
8)		
9)		
10)		
11)		

	IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)	

9-7-10

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

DATE: 9-03-10

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

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

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

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		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 STILL ON FLOOR
SHARP EDGES	NONE
PINCH POINTS	NONE
OTHER HAZARDS	NONE

Air Compressor	General Conditions and Comments
TANK	OK
AFTER COOLER	OK
AIR DRIER	OK
MOTOR & COMPRESSOR	& Exhaust FINNS WERE TIGHTENED

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

Notes and Comments:

Parts ordered FOR COMPRESSOR

SIGNED: P. Pickel DATE: 9-7-10

E-21

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: 9-23-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	729	OPS	1630	
JAMES S. JACKSON	J. Jackson	0516	OPS	1343	116mtf
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: 09-06-10

The plant was closed for the Labor Day Holiday

Weather Forecast: Sunny, temps at 65-79-66°F, wind at 8-13 from SW, RH at 60-70%, no rain.

Total Volume Processed for Day: 563,616 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:
None

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

Inspections Performed and Results:
None

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

Available Analytical Results:
No new data was available.

Calibration Procedures Performed:
None required

General Remarks:
Plant was closed with no personnel on-site

Plant Manager Signature: Peter Takach, September 7, 2010

Attachments: None

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: 09-07-10

Weather Forecast (am): Sunny, clear, and warm. Temperatures are expected to range from 68-83-67°F. Wind will be 7-18 mph from the SSW. Relative humidity is 55% with no rain expected.

Total Volume Processed for Day: 559,611 gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
Upon start up of ASF pumps, check valves continue to cause problems.

Corrective Maintenance Performed:
Rotated pumps from 1&2 to 1&3
Cleaned electrodes at reaction tanks
Cleaned up storm damage on well paths

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:
Plant air monitoring task was completed with no observed emissions
Plant discharge pH and temperature readings were taken

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 and recorded on work sheet

General Remarks:
Plant continues to run in a steady fashion. Plant flows were 376 gpm in and 391 gpm out.

Documentation work continues – Monthly report, electrical work SOW, budget extention.

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

Plant Manager Signature: Peter Takach, September 8, 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~~ TUESDAY Date: ~~9-6-10~~ 9-7-10 Time: 0635

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	22640

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	322171	167200	167270	167420	167550		63009
EW-2	260498	180360	180700	180980	181260		56751
EW-3	236879	151920	188010	188120	188260		6107

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.2	96	3706314	PLANT IS RUNNING FINE OVER
IW-2	127.2	93	3367593	the WEEKEND.
IW-3	156.3	111	3150163	
IW-4	150.2	85	3070281	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	74044	NM	2	12	
INF 2	72950		2	12	
INF 3	27917		SB	SB	STAND-BY
ASF 1	41102		2	32	
ASF 2	48947		1	30	
ASF 3	42020		SB	SB	STAND-BY
GAC 1	44403		0	13	
GAC 2	41801		0	13	
GAC 3	32920		SB	SB	STAND-BY
REC 1	21433		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	64612		6	27	
INJ 2	38570		6	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—				
BLOWER	—				

	INLET	OUTLET
GAC #1 (PSI)	9	6
GAC #2 (PSI)	10	12
AIR DRIER (PSI)	OL	OL
AS Blower (H_2O")	4.7	
Air Temp (°F)	57°	57°
Water Temp (°F)		17°C
V-GAC #1 (H_2O")	2.60	0.60
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.24	606 | 15°C
Reactor Tank 2	5.22	609 | 15°C
AS. Feed	6.12	630 | 15°C
PLANT DISCHARGE - pH		6.34
PLANT DISCHARGE - Temp.		16°C

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:

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

Supervisors Signature: [signature] Date 9-8-10

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

OPERATOR: J.JACKSON DATE: 9-07-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • TEMP this MORNING IS 73° , WITH LIGHT WIND	
2)	
3) • Completed the Daily Operators Log	
4)	
5) • PORTION OF RIGHT SIDE OF PLANT WAS WAXED	
6) IN ORDER TO COVER SCRATCHES	
7)	
8) • THE PLANT SUMP WAS VACUUMED	
9)	
10) • the MONTHLY PLANT SAMPLING WAS Completed	
11)	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • FED EX, ON SITE TO DROP OFF HORIBA	
2) TURBIDITY SOLUTION &	4.00 BUFFER SOLUTION
3)	
4)	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter Schaal 9-9-10

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

OPERATOR: J JACKSON DATE: 9-08-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • THE PLANT RUNS VERY WELL = NO Problems OVER	
2) the LONG WEEK END	
3)	
4) • this MORNING the TEMP is AT 69°C, WITH A 74%	
5) Humidity in the AIR - Today it should REACH	
6) the MID 80'S	
7)	
8) • the WEEKLY TEMP & PH's AT the PLANT DISCHG,	
9) REACT-1, REACT-2 AND AIR STRIPPER SAMPLE SPOT	
10) WAS Completed	
11)	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • AIR MONITORING WAS Completed	- THERE WERE NO AIR ISSUES
2)	
3) • WENT TO HOME DEPOT TO PICK UP KEYS	
4)	
5) • LEFT SIDE OF HOLE # 11	Branch: hanging ON by A
6) thread - Called LISA - WILL have SOME ONE TO	
7) LOOK AT IT • SOME branches WERE TRIMMED TO PASS	
8) by.	
9)	
10) • PLANT TRUCK WAS WASHED	
11) • Call LISA OF BLACK DOG GOLF COURSE ABOUT Fallen Branch	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter Okal 9-8-10

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

DATE: 9-08-10

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

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

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

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		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	LESS WATER ON FLOOR & EQUIPMENT
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: P. Pinkal **DATE:** 9-8-10

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

DATE: 9-07-10

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				IN
POTASSIUM PERMANGANATE				SERVICE
HYDROCHLORIC ACID				

Process Tanks

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

Process Systems

	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		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	MORE WATER ON FLOOR
SHARP EDGES	NONE
PINCH POINTS	NONE
OTHER HAZARDS	NONE

Air Compressor

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

Air Stripper

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

Notes and Comments:

SIGNED: _____ **DATE:** 9-9-10

AIR MONITORING LOG
CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler J. JACKSON Date 9-07-10

Calibration Standard(s) 100PPM \ ISOBUTYLENE

Post-cal Readings 90.7 PPM \ 100.0 PPM

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

Comments: PID WAS Calibrated - Completed AIR MONITORING OF PLANT & AIR STRIPPER blower, VAPOR PHASE AREA.

PET

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

TUESDAY ~~MON~~

DATE: 9-07-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	725	O&M	1615	
JAMES S. JACKSON	James Jackson	0510	CDS	1334	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: 09-08-10

Weather Forecast (am): Mostly cloudy, cooler. Temperatures are to range from 73-84-61°F. Wind will be at 13-17-15 from the SSW-WNW. Relative humidity is 45% with T-storms expected.

Total Gallons Processed for the day: 563,522 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:
Cleaned carbon sludge from main sump
Worked on plant truck

Verbal/Written Instruction from Government Personnel:
No new instructions

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

Record of any tests performed, samples taken, and personnel involved:
Plant Discharge sampling was completed with samples sent to DESA

Available Analytical Results:
No new data available.

Calibration Procedures Performed:
No calibrations required

General Remarks:

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

Various documents were submitted for review – electrical SOW, Monthly Report, budget draft

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

Plant Manager Signature: Peter Takach, September 9, 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

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

WED

DATE: 9-07-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	730	O&M	1545	
JAMES S. JACKSON	Jackson	0610	QPS	1320	FEDEX | Home
RICHARD C. CRONCE	RCC				

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: 09-09-10

Weather Forecast (am): Sunny, cool, and clear. Temperatures are to range 63-74-58^{O}F. Wind is from the WNW at 14-16 mph. Relative humidity is 60-50% with no rain expected.

Total Gallons Processed for day: 569,713 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:
Replaced tubing on VGAC gauges
Rotated VGAC vessels from 1 to 2
Vacuumed carbon from pre sump

Verbal/Written Instruction from Government Personnel:
Received word that there were problems with the PD samples. Re-sampling may be in order.

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 370 gpm and effluent flow at 390 gpm.

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

Plant Manager Signature: Peter Takach, September 10, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: J Jackson Day: 9-09-10 Date: Thrusday Time: 0527

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
391	0	22150

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	322495	167970					63041
EW-2	260847	180980					56782
EW-3	237245	188600					61138

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.2	96	3733136	COOL & SLIGHT WINDY MORNING
IW-2	126.6	94	3393718	TEMP @ 63°F / WIND @ 14 mph
IW-3	156.4	110	3481032	
IW-4	150.8	85	3093229	PLANT IS RUNNING WELL

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74089	NM	3	12	
INF 2	72958		SB	SB	STAND-BY
INF 3	27960		3	12	
ASF 1	41147		-6	32	
ASF 2	48950		SB	SB	STAND-BY
ASF 3	42063		-4	30	
GAC 1	44448		0	16	
GAC 2	48019		SB	SB	STAND-BY
GAC 3	32964		0	13	
REC 1	21933		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	64657		6	27	
INJ 2	38615		8	27	
INJ 3	-		NIS	NIS	NOT IN SERVICE
SUMP	-				
BLOWER	-	V			

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

AS Blower (H_2O")	4.7	
Air Temp (°F)	57°	57°
Water Temp (°F)		16°C
V-GAC #1 (H_2O")	2.15	0.60
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.36	
Reactor Tank 2	5.38	
AS. Feed	6.14	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13"	
Treat. Train 2	13½"	

Additional comments:
SECONDARY SUMP VACUUMED OUT

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

Supervisors Signature: P. Wakal Date 9-10-10

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

OPERATOR: J. JACKSON DATE: 9-09-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • THIS MORNING IS A COOL	MORNING TEMP.) 63°F
2)	
3) • THE PLANT IS CRUISING ALONG QUITE NICELY	
4)	
5) • THE DAILY OPERATIONS LOG WAS COMPLETED	
6)	
7) • THE SECONDARY SUMP WAS VACUUMED OUT	
8)	
9) • PLANT CLEAN-UP	
10)	
11)	

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

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

P. Wkal 9-10-10

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

DATE: 9-09-10

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

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

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

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		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	LESS H2O ON FLOOR
SHARP EDGES	NONE
PINCH POINTS	NONE
OTHER HAZARDS	NONE

Air Compressor	General Conditions and Comments
TANK	C
AFTER COOLER	NOT
AIR DRIER	IN
MOTOR & COMPRESSOR	SERVICE

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

Notes and Comments:

SIGNED: D. Rakel **DATE:** 9-10-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

Thrus

DATE: 9-08-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	725	O&M	1600	—
JAMES S. JACKSON	J. Jackson	0512	CPS	1338	Home
RICHARD C. CRONCE					

PST

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: Friday
Date: 09-10-10

Weather Forecast
Fri.: Mostly sunny and cool. Temperatures are to range from 62-74-59°F. Wind from NNW-North at 11 mph. Relative humidity is 45-50% with no precipitation.
Sat.: Sunny with temps at 60-77-63°F and wind at 9>7mph from NNW-E, RH 50-70%, no ppt.
Sun.: Cloudy with temps at 64-71-64°F, wind at 15>5 mph from ESE-E, RH 80%, scattered rain clearing by mid-morning.

Gallons Processed for the Period (9/10-9/13)**:** 1,687,422 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:
Rotated V-GAC back to #1

Verbal/Written Instruction from Government Personnel:
Received word from DESA Lab that there was a problem with the temperature of the PD samples

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

Record of any tests performed, samples taken, and personnel involved:
Plant sound level monitoring was completed – high noise levels at ASF pump 3

Available Analytical Results:
No new data available

Calibration Procedures Performed:
Sound level meter was calibrated and logged onto work sheet

General Remarks:
The plant operation has been very stable. Influent and effluent flows have been steady at 372 gpm in and 392 gpm out. Injection well levels are steady.

Various document tasks are underway including extended budget, RFA for electrical work and contract (RFQ) for electrical work.

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

Plant Manager Signature: Peter Takach, September 13, 2010

Attachments:

Daily Operating Log
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: TAKACH Day: FRIDAY Date: 9-10-10 Time: 7:35

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	22212 7:51

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	322677	167400				NM	63058
EW-2	261043	180760					56799
EW-3	237449	187890					61155

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.2	96.4	37481314	
IW-2	126.9	91.5	34083481	
IW-3	156.4	110.2	34982763	
IW-4	150.6	84.4	31071903	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	74115	NM	2.5	11	
INF 2	72952		OL	—	
INF 3	27986		2.5	11.5	
ASF 1	41172		0	31	
ASF 2	48950		OL	—	
ASF 3	42089		0	30	
GAC 1	44474		0	15.5	
GAC 2	48019		OL	—	
GAC 3	32989		0	18	
REC 1	21933		SB	—	
REC 2	20742		SB	—	
INJ 1	64683		6.5	27	
INJ 2	38641		9	27	
INJ 3	—		NIS	—	
SUMP	—		—	—	
BLOWER	14406	↓	—	—	

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

AS Blower (H_2O")	4.2	
Air Temp (°F)	57	57
Water Temp (°F)	—	56
V-GAC #1 (H_2O")	OL	—
V-GAC #2 (H_2O")	0.0	0.0

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.35	NM
Reactor Tank 2	5.38	
AS. Feed	6.13	
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:

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

Supervisors Signature: P. Takach Date 9-10-10

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

DATE: 9-10-10

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			HOLDI WATER	OFF LINE
CAUSTIC			HOLDI WATER	
POTASSIUM PERMANGANATE			EMPTY	
HYDROCHLORIC ACID			HOLDING WATER	

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	✓	✓	✓	* INFLUENT TO #2 CLOSED
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

Floor and General Work Areas

	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	FLOOR WET OK
SHARP EDGES	✓
PINCH POINTS	✓
OTHER HAZARDS	✓

Air Compressor

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

Air Stripper

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

Notes and Comments:

SIGNED: [signature]

DATE: 9-10-10

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

Operations and Maintenance Document

SOUND MONITORING WORK SHEET

Day	FRIDAY
Date	SEPT 10, 2010
Instrument ID	93-2W #310
Battery Check	OK
Calibration Check	OK
Inspector	TAKACH

Area	Reading (dB)	Conditions
Office	64-66	DOOR OPEN
HVAC Mezzanine	—	
Clarifier Mezzanine	74-80	
Injection Pumps (at motors)	76-78	
AS Feed Pumps (at Motors)	96-98	1 & 3 ON X
Air Compressor Station	OFFLINE	
Air Stripper Tower Area	70-78	
AST Blower	86-88	X
Paved Area	62-70	DECREASING AWAY FROM BLOWER
Shop	72-74	

AT 10 FT DOWN TO 80dB

Comments and Observations:

NM - Not Measured

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: FRIDAY 9-10-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	720	O&M	1545	
JAMES S. JACKSON					
RICHARD C. CRONCE		RST			

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: 09-13-10

Weather Forecast (am): Rainy and cool. Temperatures are to range from 60-72-62^{o}F. Wind is 5-12-10 mph from NNE-SSE. Relative humidity is 90>70% with clearing expected by mid morning.

Total Gallons Processed for Day: 574,388 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, calibrated and adjusted process pH electrodes
Worked on Horiba water quality meter
Re-attached tubing to VGAC-1 outboard meter

Verbal/Written Instruction from Government Personnel:
DESA Lab said they could accommodate additional samples from Claremont's PD.

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.
Re-sampled the PD as per monthly PD sampling protocol

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
Horiba water quality multimeter was calibrated

General Remarks:
Plant flows into and out of the plant have been stable. The plant discharge averaged 392 gpm for the period while the influent was 372 gpm. The injection well levels have been steadily.

Last week's monthly PD samples were received with high cooler temperatures. It was decided to resample and resubmit. This was completed. The cooler was packed and shipped

James Jackson and Peter Takach were on-site.

Plant Manager Signature: Peter Takach September 14, 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: 9-13-10 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	22376

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	323156	167900	167760	167270	167900		63104
EW-2	261561	181690	181060	180620	180760		56846
EW-3	237991	188960	188220	187710	187990		61202

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.2	96	3788179	TEMP @ 61°F, LIGHT RAIN,
IW-2	126.2	92	3417272	PLANT RAN WELL OVER THE WEEK-
IW-3	156.4	110	3544296	
IW-4	150.9	85	3142436	END.

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	74183	NM	3	12	
INF 2	72952		SB	SB	STAND-BY
INF 3	28054		3	11	
ASF 1	41241		0	32	
ASF 2	48950		SB	SB	STAND-BY
ASF 3	42157		0	31	
GAC 1	44542		2	16	
GAC 2	48019		SB	SB	STAND-BY
GAC 3	33057		2	16	
REC 1	21933		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	64751		6	27	
INJ 2	~~37604~~	38709	8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—				
BLOWER	—	↓			

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

AS Blower (H_2O")	4.7	
Air Temp (°F)	57°	57°
Water Temp (°F)		15°C
V-GAC #1 (H_2O")	2.45	0.80
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.35	6.06 | 15°C
Reactor Tank 2	5.27	6.11 | 15°C
AS. Feed	6.13	6.32 | 15°C
PLANT DISCHARGE - pH		6.51
PLANT DISCHARGE - Temp.		16°C

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

Additional comments:

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

Supervisors Signature: P. Pickard Date 9-14-10

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

OPERATOR: J. JACKSON DATE: 9-13-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • COOL MORNING TEMP @ 63°	LIGHT RAIN
2)	
3) • WEEKLY PH & TEMP WAS COMPLETED	
4)	
5) • PID WAS CALIBRATED - AIR MONITORING WAS DONE	
6)	
7) • HORIBA WAS CALIBRATED - IT WAS TESTED @ SW-1	
8) WELL IT RAN FINE FOR 30 MINS - THEN TURBIDITY	
9) BECAME ERRACTIC.	
10)	
11) • RESAMPLED THE MONTHLY SAMPLES	

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

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

P. Pickel 9-14-10

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

DATE: 9-13-10

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

Chemical Feed Skids

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

Process Tanks

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

Process Systems

	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		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	LESS WATER ON FLOOR
SHARP EDGES	NONE
PINCH POINTS	NONE
OTHER HAZARDS	NONE

Air Compressor

	General Conditions and Comments
TANK	NOT
AFTER COOLER	IN
AIR DRIER	SERVICE
MOTOR & COMPRESSOR	

Air Stripper

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

Notes and Comments:

SIGNED: [signature]

DATE: 9-14-10

AIR MONITORING LOG
CLAREMONT POLYCHEMICAL SUPERFUND SITE

13 Rec'd 10/28/10

Sampler J. JACKSON Date 9-14-10

Calibration Standard(s) 100 PPM \ ISOBUTLENE

Post-cal Readings 97.6 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	OL
	#2 Effluent	OL

Comments: PID WAS Calibrated - AIR MONITORING WAS Completed.

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

MON

DATE: 9-13-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	720	OPS	1539	
JAMES S. JACKSON	J Jackson	0518	OPS	1320	FED EX | HOME
RICHARD C. CRONCE	RCC				

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: 09-14-10

Weather Forecast (am): Mostly sunny, cool, and damp. Temperatures are to range from 60-78-58^{O}F. The wind will be from the WNW-NW at 3-13 mph. Relative humidity is 45-50% with little chance of rain.

Total Gallons Processed for period: 556,138 gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
None

Corrective Maintenance Performed:
Cleaned reaction tank electrodes
Cleaned plant truck
Prepped VGAC vessels for painting
Adjusted IW 2&3 transducers for low readings

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

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

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 372 gpm, effluent 391 gpm. The injection wells are also running high but not near overflow conditions.

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

Plant Manager Signature: Peter Takach, September 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: TUESday Date: 9-14-10 Time: 0622

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
392	0	22432

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	323320	16196D					63120
EW-2	261738	182360					56862
EW-3	238617	189380					62218

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.2	96	3801932	Fall WEATHER IS HERE, COOL MORNING
IW-2	127.8	94	3460615	TEMP @ 56°F
IW-3	156.4	110	3560088	
IW-4	191.1	85	3151511	PLANT IS RUNNING W/ GW

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	74207	NM	2	11	
INF 2	72952		SB	SB	STAND-BY
INF 3	28077		3	12	
ASF 1	41264		0	32	
ASF 2	418950		SB	SB	STAND-BY
ASF 3	42180		0	31	
GAC 1	44565		0	16	
GAC 2	48019		SB	SB	STAND-BY
GAC 3	33081		0	18	
REC 1	21933		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	64774		6	27	
INJ 2	38733		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—				
BLOWER	—	V			

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	11	12
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")	2.45	0.60
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.35	
Reactor Tank 2	5.12	
AS. Feed	6.13	
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	13¼"	

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby

NIS = Not in service

Supervisors Signature: [signature] Date 9-15-10

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

OPERATOR: J JACKSON DATE: 9-14-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• COOL MORNING, FEELS LIKE A FALL MORNING, TEMP	
2)	AT 56° F, CLOUDY	
3)		
4)	• PLANT RAN THRU OUT THE NIGHT WITH OUT A	
5)	PROBLEM	
6)		
7)	• THE DAILY OPERATORS LOG WAS COMPLETED	
8)		
9)	• THE MONTHLY SOUNDING OF IW-1, 2, 3, & 4 WAS	
10)	DONE	
11)		

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• PLANT TRUCK WAS VACUUMED	
2)		
3)	• PLANT CLEAN-UP TOP LEVEL WAS SWEPTED.	
4)		
5)		
6)		
7)		
8)		
9)		
10)		
11)		

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter Okeal 9-15-10

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

DATE: 9-14-10

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				IN
POTASSIUM PERMANGANATE				SERVICE
HYDROCHLORIC ACID				

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

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

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

Air Compressor	General Conditions and Comments
TANK	NOT
AFTER COOLER	IN
AIR DRIER	SERVICE
MOTOR & COMPRESSOR	

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

Notes and Comments:

EW-1, 2, 3, & 4 WELLS WERE SOUNDED.

SIGNED: Peter Pickel 9-15-10 **DATE:**

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

TUE

DATE: 9-14-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	720	O&M	1550	—
JAMES S. JACKSON	J Jackson	0512	CPS	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: Wednesday
Date: 09-15-10

Weather Forecast (am): Sunny and mild. Temperatures are to range from 57-73-56^{O}F. Wind will be from the WNW-NW at 8-14-11 mph. Relative humidity is 45% with no precipitation expected.

Total Gallons Processed for day: 571,588gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
None

Corrective Maintenance Performed:
Changed filters and oil on air compressor
Landscaping tasks
Troubleshot noise on ASF Pump 3

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 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 391 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, September 16, 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: 9-15-10 Time: 0555

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	22490

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	323490	167550					63137
EW-2	261923	151860					56876
EW-3	238370	189120					61234

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.2	97	3616141	COOL MORNING, TEMP AT 59°F
IW-2	128.9	94	3474369	PLANT RAN FINE LAST NIGHT
IW-3	163.6	111	3576373	
IW-4	152.5	82	3166788	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74231	NM	2	11	
INF 2	72952		SB	SB	STAND-BY
INF 3	28101		3	11	
ASF 1	412886		0	32	
ASF 2	418950		SB	SB	STAND-BY
ASF 3	422041		0	31	
GAC 1	414589		2	16	
GAC 2	460197		SB	SB	STAND-BY
GAC 3	33105		2	15	
REC 1	21933		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	64798		6	27	
INJ 2	38757		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER		↓			

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	12	13
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	56	
Air Temp (°F)	570	570
Water Temp (°F)		17°C
V-GAC #1 (H_2O")	2.45	0.415
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.35	
Reactor Tank 2	5.40	
AS. Feed	6.14	
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	13¾"	

Additional comments:
AIR COMPRESSOR - OIL, OIL FILTER
AIR FILTER & COALESING FILTER
WERE CHANGED

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

Supervisors Signature: [signature] Date 9-16-10

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

OPERATOR: J. JACKSON DATE: 9-15-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• COOL MORNING FALL is here, TEMP AT - 56°F	
2)		
3)	• the Daily operators Log completed	
4)		
5)	• MAINTENANCE WAS DONE TO AIR COMPRESSOR	
6)	A) the OIL WAS Changed	
7)	B) OIL FILTER WAS Changed	
8)	C) AIR FILTERS WERE Changed	
9)	D) COALESING FILTERS Changed	
10)		
11)	• OLD OIL WAS TAKEN TO	OIL DEPOT - NEAR LANDFIL

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• AFTER OIL Change Both motors WERE started	
2)		
3)	• ADJUSTMENT MADE TO AIR COMPRESSOR MAINTENANCE	
4)	MANUAL sheet.	
5)		
6)	• Call made TO RED Cross FOR CPR \ AEF Adult	
7)	TRAINING - SEPT 27 2010	
8)		
9)		
10)		
11)		

	IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)	

9-16-10

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

DATE: 9-15-10

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				OUT
CAUSTIC				OF
POTASSIUM PERMANGANATE				SERVICE
HYDROCHLORIC ACID				

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

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		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	OK
AFTER COOLER	OK
AIR DRIER	OK
MOTOR & COMPRESSOR	OIL, OIL FILTER, COALESING FILTERS CHANGED

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

Notes and Comments:

AIR COMPRESSOR HAD O & M DONE.

SIGNED: P. Richard DATE: 9-16-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

WED

DATE: 9-15-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	730	OPS	1546	
JAMES S. JACKSON	J. Jackson	0543	CPS	1345	Home
RICHARD C. CRONCE		PE			

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: 09-16-10

Weather Forecast (am): Mostly sunny and mild. Temperatures are to range from 57-73-67°F. Wind to be 4-18 mph from the ESE-south. RH is 70-80%. Rain is expected in the afternoon, heavy at times.

Total Gallons Processed for day: 563,128 gallons

Plant Operating Hours: 24:00 hrs.

Plant Total Downtime: 0:00 hrs.

Reason for Downtime:
No downtime to report

Significant Operational Problems:
Momentary power outage

Corrective Maintenance Performed:
Installed pressure regulator and pressure gauge on utility HP air line.
Leveled low level terrain at infiltration gallery 1
Mowed grass on slope and at well in well field

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

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

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

Available Analytical Results:
No new data is available.

Calibration Procedures Performed:
No calibrations required.

General Remarks:
The treatment plant continues to run in a stable mode without remarkable problems.

The plant influent flow is set at 372 gpm and the plant effluent flow has averaged 392 gpm.

Clean up and PM tasks around the plant continue

James Jackson and Peter Takach were on-site.

Plant Manager Signature: Peter Takach, September 17, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: J. Jackson Day: Thursday Date: 9-16-10 Time: 0529

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	22545

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	323650	167630					62152
EW-2	262097	181790					56894
EW-3	236552	189470					61250

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.2	97	3829790	VERY COOL THIS MORNING TEMP
IW-2	129.7	94	3487642	@ 51°F
IW-3	163.6	111	3592209	
IW-4	152.7	83	3176537	PLANT RAN WELL LAST NIGHT

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74254	NM	2	11	
INF 2	72952		SB	SB	STAND-BY
INF 3	28124		3	12	
ASF 1	41311		0	32	
ASF 2	48950		SB	SB	STAND-BY
ASF 3	42227		0	31	
GAC 1	44613		2	16	
GAC 2	45019		SB	SB	STAND-BY
GAC 3	33128		2	16	
REC 1	21933		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	64821		6	27	
INJ 2	38780		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER		↓			

	INLET	OUTLET
GAC #1 (PSI)	60	8
GAC #2 (PSI)	11	11
AIR DRIER (PSI)	OL	OL
AS Blower (H_2O")	41.7	
Air Temp (°F)	57°	57°
Water Temp (°F)		15°C
V-GAC #1 (H_2O")	2.65	0.65
V-GAC #2 (H_2O")	01	01

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.36	
Reactor Tank 2	5.40	
AS. Feed	6.14	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	14"	
Treat. Train 2	13¼"	

Additional comments:
0065 - POWER SURGE - PUMPS DOWN FOR A MOMENT - BACK ON

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

Supervisors Signature: [signature] Date 9-17-10

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

OPERATOR: J JACKSON DATE: 9-16-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • COOL WEATHER THIS MORNING - TEMP AT 51°F	
2)	
3) • THE PLANT CONSISTENTLY LOST NIGHT - ONE ALARM	
4) SLUDGE TANK LOW LEVEL	
5)	
6) • THE DAILY OPERATOR LOG WAS DONE	
7)	
8) • PLANT GRASS WAS CUT:	
9) (1) ON THE HILL	
10) (2) AROUND EXT-1, 2, & 3	
11) (3) AROUND EW-4, A, B, C & D	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) (4) AROUND TW-1, 2, 3, 4	EW-10, 11, 13, 12
2)	
3) • DIRT FILLED IN HOLES AROUND	(1) GALLERIES
4)	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

9-17-10

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

DATE: 9-16-10

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

Chemical Feed Skids

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

Process Tanks

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

Process Systems

	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		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	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:

DIRT FILLED IN AROUND

SIGNED: P. Wheeler DATE: 9-17-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

(Thrus)

DATE: 9-16-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P.Takach	715	OPS	1530	
JAMES S. JACKSON	J Jackson	0520	OPS	1345	Home
RICHARD C. CRONCE	RCC				

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: Friday
Date: 09-17-10

Weather Forecast (am): Fri: Cloudy, warm, and humid. Temps at 66-75-60^{O}F. Winds at 9-10-8 from West to North. Some rain might linger.
Sat: Sunny, 61-72-60^{O}F, wind 8 mph from E-SSE, 70% RH, slight chance of rain
Sun: Mostly sunny, 61-75-58^{O}F, wind 8mph from SSW, 70% RH, chance of rain

Total Gallons Processed for period (9/17-9/20): 1,687,656 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:
Landscaping tasks
Outdoor clean up

Verbal/Written Instruction from Government Personnel:
No new communications

Inspections Performed and Results:
Daily site safety inspection completed with no new issues.
Inspect well field to see if gallery repairs held up after heavy rains. All ok.

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

Available Analytical Results:
No new data was available.

Calibration Procedures Performed:
No calibrations performed

General Remarks:
The plant ran with out problems. Plant influent flows are stable at 372 gpm and plant effluent flows are holding at 391gpm.

Normal plant activities continued.

Plant Manager Signature: Peter Takach, September 20, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: J. Jackson Day: Friday Date: 9-17-10 Time: 0506

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	22602

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	523818	164680					63168
EW-2	262279	178860					56910
EW-3	238743	186270					61266

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	161.9	96	36436665	W/ARM MORNING, AFTER STORM
IW-2	129.2	94	35006961	SLAM Through this AREA.
IW-3	163.6	111	36082686	
IW-4	152.6	83	31906463	PLANT is INTACT, RUNNING FINE

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74277	N/M	3	8	
INF 2	72952		SB	SB	STAND-BY
INF 3	28146		3	12	
ASF 1	41334		0	32	
ASF 2	48950		SB	SB	STAND-BY
ASF 3	42250		0	30	
GAC 1	44636		2	15	
GAC 2	48019		SB	SB	STAND-BY
GAC 3	33151		2	17	
REC 1	21933		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	68415		6	27	
INJ 2	38603		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER		N			

	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)		
V-GAC #1 (H_2O")	2.65	1.60
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.36	
Reactor Tank 2	5.35	
AS. Feed	6.14	
PLANT DISCHARGE - **pH**		
PLANT DISCHARGE - **Temp.**		

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13½"	
Treat. Train 2	13¼"	

Additional comments:

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

Supervisors Signature: Patrick Date 9-20-10

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

OPERATOR: J Jackson DATE: 9-17-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • STORM, high Winds, Tornado they say hit brook-	
2) lyn	
3)	
4) • Mostly HEAVY RAIN IN this area	
5)	
6) • THE PLANT IS RUNNING FINE	
7)	
8) • SOME WEED WACKING DONE AT THE EAST SIDE OF	
9) PLANT	
10)	
11) • PLANT Parking LOT WAS HOSED DOWN - ALL	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) ROCKS WERE REMOVED FROM ASPHALT.	
2)	
3) • GRASS WAS CUT AROUND SW-1 & DW-1	
4)	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter Vokal 9-20-10

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

DATE: 9-17-10

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

Chemical Feed Skids

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

Process Tanks

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

Process Systems

	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		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	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: Patrick Neil 9-20-10 **DATE:** _____

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

TE1

DATE: 4-17-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	715		1530	
JAMES S. JACKSON	J Jackson	0602	CPS	1330	Home
RICHARD C. CRONCE	RET				

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: Monday
Date: 09-20-10

Weather Forecast (am): Mostly sunny and cool. The temps are to range from 61-75-57^{O}F. Wind is from the NE at 14-15-12 mph. Relative humidity is 35-40%. No rain is expected.

Total Volume Processed for Day: 568,421 gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
None

Corrective Maintenance Performed:
Rotated process pumps – no problems with restart
Landscaping tasks

Verbal/Written Instruction from Government Personnel:
Submitted ASR for October's PW sampling tasks

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

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

Available Analytical Results:
No new data received

Calibration Procedures Performed:
The lab pH meter was calibrated and logged in.
PID meter was calibrated and logged in
The process pH meters were calibrated
The ASF pH electrode did not take calibration

General Remarks:
The plant has been running smoothly and without incident. Plant discharge flow is stable and averaged 391 gpm for the day. Injection well levels are also stable.

Plant clean-up is on-going

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

Plant Manager Signature: Peter Takach, September 21, 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: 9-20-10 Time: 0513

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
391	0	22771

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	324311	167780	165560	164640	164580		63216
EW-2	262813	182090	179790	178450	178860		56958
EW-3	239304	189770	187470	186260	186270		61314

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.0	96	3885245	COOL MORNING TEMP @ 63°F
IW-2	124.1	94	3541574	PLANT RAN FINE OVER the
IW-3	163.1	112	3656291	
IW-4	158.4	82	3275959	WEEKEND

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74347	NM	3	8	
INF 2	72952	↓	SB	SB	STAND-BY
INF 3	26218	↓	3	10	
ASF 1	41405	↓	0	32	
ASF 2	48960	↓	SB	SB	STAND-BY
ASF 3	42321	↓	0	31	
GAC 1	44706	↓	3	15	
GAC 2	48019	↓	SB	SB	STAND-BY
GAC 3	33221	↓	4	17	
REC 1	21933	↓	OFF	OFF	
REC 2	20742	↓	OFF	OFF	
INJ 1	64915	↓	6	27	
INJ 2	38873	↓	8	27	
INJ 3	—	↓	OL	OL	OFF LINE
SUMP		↓			
BLOWER		↓			

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

AS Blower (H_2O")	4.7	
Air Temp (°F)	57°	57°
Water Temp (°F)		16°C
V-GAC #1 (H_2O")	2.45	0.65
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.34	6.08 \ 15°C
Reactor Tank 2	5.36	6.09 \ 16°C
AS. Feed	6.18	6.31 \ 15°C
PLANT DISCHARGE - pH		6.41
PLANT DISCHARGE - Temp.		17°C

SAND FILTER DEPTH TO WATER (INCHES)	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13½"	
Treat. Train 2	13¼"	

Additional comments:

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

Supervisors Signature: [signature] Date 9-21-10

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

OPERATOR: J. JACKSON DATE: 9-20-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • Rather warm morning temp 63° F	
2)	
3) • The plant ran well over the week end	
4)	
5) • the weekly PID temp was completed	
6)	
7) • Pid was Calibrated, AIR MONITORING WAS DONE	
8)	
9) • the daily operators Log was completed	
10)	
11) • Grass at entrance of plant was cut	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • Worked on my Medical History Questionnaire	
2)	
3)	
4)	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

9-21-10

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

DATE: 9-20-10

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				NOT
CAUSTIC				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	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:

Floors are Dry now - Little or no Water on Floor

SIGNED: [signature]

DATE: 9-21-10

AIR MONITORING LOG
CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler J JACKSON Date 9-20-10

Calibration Standard(s) 100PPM \ ISOBUTYLENE

Post-cal Readings 97.6 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	OL
	#2 Effluent	OL

Comments: PID was Calibrated - AIR MONITORING DONE - NO AIR ISSUES IN & OUTSIDE PLANT AND AT THE VAPOR PHASE SECTION

PET

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

MDN

DATE: 9-20-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	715	OPS	1550	
JAMES S. JACKSON	J.S. Jackson	DEVO4	CPS	1330	Home
RICHARD C. CRONCE		PEP			

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: 09-21-10

Weather Forecast (am): Mostly sunny and cool. Temperatures are expected to be 61-70-60°F. Wind will come from the NNE-SSW at 3-14 mph. Relative humidity is 40-60 with no rain expected.

Total Volume Processed for Day: 560,779 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:
Brushed and backwashed sandfilter risers
Brushed inclined plates on clarifiers
Cleaned pH electrodes at reaction tanks
Mowed grass on north side of plant

Verbal/Written Instruction from Government Personnel:
No new instructions

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

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, September 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: Tuesday Date: 9-21-10 Time: 0517

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	22827

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	324473	168160					63233
EW-2	262989	182720					56974
EW-3	239488	190280					61330

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.1	97	38.99133	PLANT RAN FINE OVER NIGHT
IW-2	125.3	96	35.55133	
IW-3	163.6	112	36.72341	
IW-4	153.5	82	32.37742	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74351	NM	SB	SB	STAND-BY
INF 2	72971		1	11	
INF 3	28242		3	12	
ASF 1	41409		SB	SB	STAND-BY
ASF 2	41969		0	30	
ASF 3	42344		0	31	
GAC 1	44710		SB	SB	STAND-BY
GAC 2	46038		2	15	
GAC 3	33245		3	17	
REC 1	21933		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	64939		6	27	
INJ 2	38697		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER					

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

AS Blower (H_2O")	41.7	
Air Temp (°F)	57°	57°
Water Temp (°F)		15°C
V-GAC #1 (H_2O")	2.65	0.45
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.34	
Reactor Tank 2	5.38	
AS. Feed	6.18	
PLANT DISCHARGE - **pH**		
PLANT DISCHARGE - **Temp.**		

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13¼"	
Treat. Train 2	13¼"	

Additional comments:

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

Supervisors Signature: Date 9-22-10

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

OPERATOR: J. JACKSON DATE: 9-21-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • the daily operators Log was Completed	
2)	
3) • Plant Clarifiers had Heavy coating of carbon	
4) dust. Filters were brushed, TRAIN 1 & 2	
5)	
6) • EACH MORNING GETS COOLER AND CIXOLER, TEMP	
7) this MORNING 58°F, NO WIND, HUMIDITY AT 71%	
8)	
9) • PLANT SANDFILTER NOZZELS were brushed	
10) INSIDE (ALL 8 NOZZELS)	
11)	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • ALL 8 NOZZELS were	AIR SPRAYED INSIDE.
2)	
3) • GRASS @ the North or Rear of PLANT was CUT	
4)	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter Jackson 9-22-10

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

DATE: 9-21-10

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				NOT
CAUSTIC				IN
POTASSIUM PERMANGANATE				SERVICE
HYDROCHLORIC ACID				

Process Tanks	Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION	✓	✓	OK
TREATED WATER	✓	✓	OK
REACTORS	✓	✓	OK
CLARIFIERS	✓	✓	OK - Brushed Today
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	OFF
AFTER COOLER	LINE
AIR DRIER	
MOTOR & COMPRESSOR	

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

Notes and Comments:

PLANT Clarifiers had a light coating of carbon dust on baffles - They were brushed off.

SIGNED: P. Takach 9-22-10 **DATE:** _____

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

TUE
DATE: 9-21-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	725	O&M	1500	
JAMES S. JACKSON	J. Jackson	0610	CPS	1335	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: 09-22-10

Weather Forecast (am): Mostly sunny and cool. Temperatures are to range from 66-79-66^{O}F. Wind is expected from the SSW at 12-15-11 mph. Relative humidity is 60-80%. No rain is expected.

Total Volume Processed for Day: 562,736 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:
Landscaping and outdoor clean up tasks

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 392 gpm.

End of the month documentation continues.

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

Plant Manager Signature: Peter Takach, September 23, 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: 9-22-10 Time: 0507

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
392	0	228614

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	324639	166820					63249
EW-2	263169	151500					56990
EW-3	396677	159160					61346

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.1	96	3912996	COOL MORNING - 1ST DAY OF FALL
IW-2	123.9	95	3566153	PLANT RAN THROUGH OUT THE
IW-3	163.7	112	3686360	
IW-4	153.7	82	3249089	NIGHT.

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74351	NM	SB	SB	STAND-BY
INF 2	72994		2	10	
INF 3	28265		3	12	
ASF 1	411409		SB	SB	STAND-BY
ASF 2	48993		0	30	
ASF 3	42368		0	32	
GAC 1	44710		SB	SB	STAND-BY
GAC 2	48062		2	15	
GAC 3	39268		2	18	
REC 1	21933		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	64962		6	27	
INJ 2	39920		8	27	
INJ 3	-		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER					

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	10	12
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")	245	0.415
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.34	
Reactor Tank 2	5.26	
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: P. Hall Date 9-23-10

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

OPERATOR: J Jackson DATE: 9-22-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • The Daily Operations Log WAS Completed	
2)	
3) • PLANT Parking Lot Edges WAS TRimmed	
4) With Shovel. and Then SWEPTED UP	
5) Excess WEEDS Were PUT IN BED of TRUCK	
6)	
7) • Truck WAS Emptied of Excess DIRT & Grass	
8)	
9) • Continued edging drive WAY outside	
10) PLANT Gate.	
11)	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • Trees are also being TRimmed	
2)	
3)	
4)	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Patrick 9-23-10

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

DATE: 9-22-10

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				IN
POTASSIUM PERMANGANATE				SERVICE
HYDROCHLORIC ACID				

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

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		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	OFF
AFTER COOLER	
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: 9-23-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

Wed

DATE: 9.22-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH		730	O&M	1545	
JAMES S. JACKSON		0503	OPS	1335	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: 09-23-10

Weather Forecast (am): Mostly cloudy, cool, and humid. Heavy T-storm activity over night. The temperatures are to range from 766-75-64^{O}F. Wind is from the NNE-ESE at 7-11 mph. Relative humidity is 60-70% with no rain expected.

Total Volume Processed for Day: 559,891 gallons

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

Reason for Downtime:
No downtime to report although the injection pumps were off for 50 minutes for the IW falling head tests.

Significant Operational Problems:
None

Corrective Maintenance Performed:
Continued with outdoor landscaping tasks
Pulled and cleaned IW-2 transducer
Cleaned electrodes at reaction tanks

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:
Completed IW falling head tests.

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 injection well tests revealed nothing new and wells appear stable. Well #2 is reading significantly lower than actual. Pulling the transducer did not reveal any problems.

End of month tasks and documentation is underway.

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

Plant Manager Signature: Peter Takach, September 24, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

229440 720

Operator: JJackson Day: Thrusday Date: 9-23-10 Time: 0524

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	229441

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	324865	165600					63265
EW-2	263350	179670					57006
EW-3	239867	187340					61362

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.1	98	3927063	RAIN LAST NIGHT - TEMP @ 69°F
IW-2	120.6	94	3582319	PLANT RAN FINE THROUGH OUT
IW-3	163.7	111	3704654	THE NIGHT
IW-4	1539	81	3261379	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74361	NM	SB	SB	STAND-BY
INF 2	73018		2	10	
INF 3	26289		3	10	
ASF 1	41409		SB	SB	STAND-BY
ASF 2	49016		0	30	
ASF 3 42392	38491		0	32	
GAC 1	44710		SB	SB	STAND-BY
GAC 2	48085		2	15	
GAC 3	33242		3	16	
REC 1	21933		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	~~74251~~	64898	6	27	
INJ 2	~~73078~~	38948	8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER					

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	11	12
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")	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	5.13	
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: Date 9-24-10

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

OPERATOR: J JACKSON DATE: 9-23-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • HEAVY RAINS LAST NIGHT.	
2)	
3) • NO PROBLEM WITH PLANT STORM DID NOT SHUT	
4) DOWN PLANT.	
5)	
6) • THE DAILY OPERATORS LOG WAS DONE	
7)	
8) • BEGAN TRIMMING THE DEAD BROWN GRASS	
9) AT THE EDGE OF DRIVE WAY	
10)	
11) • SOME BRANCHES WERE TRIMMED - AND TAKEN	

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

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter Patel 9-24-10

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

DATE: 9-23-10

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

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

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

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		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	OFF
AFTER COOLER	LINE
AIR DRIER	
MOTOR & COMPRESSOR	

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

Notes and Comments:

OVER GROWN GRASS WAS TRIMMED ALONG THE DRIVEWAY ROAD.

SIGNED: _____ **DATE:** _____

9-24-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

Thurs
DATE: 9-23-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	715	OPS	1710	
JAMES S. JACKSON	J Jackson	0520	OPS	1340	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: Friday
Date: 09-24-10

Weather Forecast (am): Mostly cloudy, warm, and humid. Temperatures are to range 69-77-68^{O}F. Wind from the SSE-SSW at 4-15-12 mph. Relative humidity is 60% with no precipitation expected.
Sat.: Sunny, warm, 69-81-69^{O}F. Wind 16 mph WSW – 13 NW mph, RH at 55%, no rain expected.
Sun.: Cloudy, cool, 58-67-60^{O}F. Wind 7 mph from NNE-ENE. RH at 65-85%, scattered showers.

Total Volume Processed for period (7/30-8/2): 1,631,511 gallons

Plant Operating Hours: 69:35 hrs. **Total Downtime**: 02:25 hrs.

Reason for Downtime:
Loss of plant power

Significant Operational Problems:
After restoration of power, none

Corrective Maintenance Performed:
Landscaping tasks
Cleaned truck
Shut down process pumps while power was being restored. Restarted plant.

Verbal/Written Instruction from Government Personnel:
No new instructions

Inspections Performed and Results:
Site safety inspection was completed. There is nothing new to report.
Comprehensive site inspections completed with no new issues.

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

Available Analytical Results:
Received organic sample data from Augusts' PD sampling

Calibration Procedures Performed:
Sound level meter was calibrated and recorded on worksheet

General Remarks:
Plant operation has been stable with steady influent and effluent flows. Injection well #2 is still indicating lower level that actual.

Plant lost partial power Friday evening. Plant was shut down until power was restored. Plant was restarted at ~8:00 pm

End of the month documentation continues

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

Plant Manager Signature: Peter Takach, September 27, 2010

Attachments:

Daily Operating Log
Daily Activities Summary Report
Daily Site Safety Inspection Log
Sound Level Monitoring Worksheet
Incident Report 092410
Sign In Sheet

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: Jackson Day: FRIDAY Date: 9-24-10 Time: 0939

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
397	0	22996

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	324968	166140					63281
EW-2	263526	179610					57023
EW-3	240052	167360					61399

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	122	97	3940529	Temp @ 68°F - FEELS LIKE SUMMER
IW-2	117.1	97	35955868	PLANT RAN FINE LAST NIGHT
IW-3	163.4	115	37261661	
IW-4	160.4	85	32732416	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74351	NM	SB	SB	STAND-BY
INF 2	73042		2	12	
INF 3	28312		3	12	
ASF 1	41409		SB	SB	STAND-BY
ASF 2	49040		0	31	
ASF 3	12415		0	31	
GAC 1	111710		SB	SB	STAND-BY
GAC 2	48109		2	15	
GAC 3	33316		3	16	
REC 1	21933		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	66008		6	27	
INJ 2	38967		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER					

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	10	12
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")	2.65	0.45
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.34	
Reactor Tank 2	5.32	
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 1/4"	
Treat. Train 2	13 1/2"	

Additional comments:

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

Supervisors Signature: Peter Okail Date 9-27-10

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

OPERATOR: J. Jackson DATE: 9-24-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • Today is a cloudy day, chances of Rain.	
2)	
3) • the PLANT IS RUNNING FINE	
4)	
5) • the Daily operators Log was Completed	
6)	
7) • CONTINUE TO TRIM OVERGROWN GRASS IN	
8) the Parking Lot.	
9)	
10) • 1 PLANT TRUCK was washes	
11)	

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

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

9-27-10

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

DATE: 9-24-10

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

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

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

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		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	OFF
AFTER COOLER	
AIR DRIER	LINE
MOTOR & COMPRESSOR	

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

Notes and Comments:

SIGNED: [signature] 9-27-10 **DATE:** _____

Operations and Maintenance Document

SOUND MONITORING WORK SHEET

Day	FRIDAY
Date	9-24-10
Instrument ID	93-20 #310 GREENLEE
Battery Check	OK
Calibration Check	OK
Inspector	TAKAH

Area	Reading (dB)	Conditions
Office	64-66	DOORS OPEN
HVAC Mezzanine	70-74	AIR HANDLING UNIT
Clarifier Mezzanine	78-82	*
Injection Pumps (at motors)	78-80	
AS Feed Pumps (at Motors)	94-98	X
Air Compressor Station	OFF	
Air Stripper Tower Area	72-78	
AST Blower	80-82	
Paved Area	62 AT GATE	62 AT SHED
Shop	72-76	

Comments and Observations:
* ASF PUMPS EMITS HIGH PITCHED WHINE

NM - Not Measured

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

Operations and Maintenance Document

Incident Report- This form is to be used when gathering information prior to reporting an incident or chemical spill in which the environment of human health may be affected.

Date and Time of Incident	Friday, 9-24-10, 5:35 PM
Description of Incident and location	Plant loss of power, resulting in overflow of ASF tanks and an automatic shut down of plant systems.
Personnel involved	No one. Peter Takach arrived on site at 6:00 pm after receiving call for plant alarm system.
Description of injuries	None
If chemical spill, material spilled and quantity (also see below)	Partially treated groundwater overflowed ASF tanks and flow-thru system. Water captured by floor drains and sump.
Suspected cause of incident	Loss of one leg of plant power. Power monitor indicated an imbalance across the incoming lines
Outside Agencies contacted	LIPA, USACE (Cronce by email)
Actions taken	At MCP, all pump switches put in OFF position. At MCC, voltage across contacts of power monitor was measured (420, 480, 600 VAC). Voltage across the contacts of INJ Pump #1 was also measured, with the same readings, indicating an outside supply problem.
Follow up actions recommended	LIPA was contacted. LIPA found problem, corrected it, and restored power to plant (~7:55 pm). Plant was returned to full operation (8:10 pm)

Chemical Spill or Releases

Is the spill a Reportable Quantity (RQ)	No
Disposition of material	Recycled by plant Treatment system
Is environment or human health threatened	No

Reported By: Peter Takach

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

Ce1

DATE: 9-24-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	735	O&M	1535	
		1800		2030	
JAMES S. JACKSON	JJackson	0525	O&M	1350	Home
RICHARD C. CRONCE		PFL			

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: Monday
Date: 09-27-10

Weather Forecast (am): Cloudy and wet, overnight rain and morning showers. Temps are to range 63-69-66^{O}F. Wind is 12 mph from ENE-SSE. Relative humidity is 95+% with continued scattered showers expected.

Total Volume Processed for Day: 563,916 **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:
Clean up after Friday night power outage
Clean electrodes at 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.
Selected monitoring well sites inspected

Record of any tests performed, samples taken, and personnel involved:
Plant air-monitoring was completed – no emissions observed.
Plant discharge readings were taken.

Available Analytical Results:
No new results available.

Calibration Procedures Performed:
The PID was calibrated and recorded on log sheet
The lab pH meter was calibrated and recorded on the log sheet
The process pH meters were calibrated

General Remarks:
The plant has been stable and is running without incident. Influent flows are at ~372 gpm. Plant discharge flow was 391 gpm for the day.

The end of August documentation continues

James Jackson (JSJ) and Peter Takach (PET) were on site. JSJ completed first aid/ CPR training off site.

Plant Manager Signature: Peter Takach, September 28, 2010

Attachments:

Daily Operating Log
Daily Activities Summary Report
Daily Site Safety Inspection Log
Plant 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: 9-27-10 Time: 0500

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	23159

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	325439	167280	149620	162110	165140		63327
EW-2	264039	182690	162450	176420	179610		57068
EW-3	240591	191000	169660	184110	187360		61429

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	1625	95	3979407	COOL MORNING OFF & ON AGAIN
IW-2	119.4	97	3634861	RAIN • TEMP AT 610
IW-3	1633	114	3767263	
IW-4	1526	82	3308507	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	74351	NM	513	SB	STAND-BY
INF 2	73109		1	12	
INF 3	28380		3	12	
ASF 1	41409		SB	SB	STAND-BY
ASF 2	49107		0	30	
ASF 3	42482		0	31	
GAC 1	44710		SB	SB	STAND-BY
GAC 2	48177		2	15	
GAC 3	33383		3	18	
REC 1	21934		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	165076		6	27	
INJ 2	390341		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER					

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	10	12
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")	2.60	0.60
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.34	5.89 | 15°C
Reactor Tank 2	5.32	5.96 | 15°C
AS. Feed	6.20	6.21 | 15°C
PLANT DISCHARGE - **pH**		6.20
PLANT DISCHARGE - **Temp.**		16°C

SAND FILTER DEPTH TO WATER (INCHES)		
	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13¾"	
Treat. Train 2	13¼"	

Additional comments:
DO was Calibrated - NR
MONITORING DONE.
OAKTON PH METER Calibrated

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

Supervisors Signature: [signature] Date 9-28-10

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

OPERATOR: J. JACKSON DATE: 9-27-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • ON AND OFF AGAIN RAIN, this MORNING	
2)	
3) • the TEMP IS AT 61° , AND Cloudy	
4)	
5) • the PID WAS Calibrated, AND AIR MONITORING	
6) DONE, INSIDE & OUTSIDE PLANT - NO AIR	
7) ISSUES WAS FOUND	
8)	
9) • the DAKTON PH METER WAS Calibrated - WEEKLY	
10) TEMPS & PH's DONE	
11)	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • the Daily operators log WAS Completed.	
2)	
3) • Working FOUR HOURS this MORNING 5:00 TO 9:00AM	
4)	
5) • CPR/AED : AUTOMATED EXTERNAL DEFIBRILATOR Class	
6) STARTS @ 6:00PM - 10:00 PM TONIGHT	
7)	
8) • DELTEK Timesheet Was DONE	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter Pokal 9-28-10

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

DATE: 9-27-10

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				IN
POTASSIUM PERMANGANATE				SERVICE
HYDROCHLORIC ACID				

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

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		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 ON FLOOR IS BACK
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 ISSUES FROM FRI, 9-24-10 @ 5:30 TO 8:00PM
PLANT LOST A PHASE AGAIN - LOCAL AREA WAS AFFECTED - POWER RESTORED @ AROUND 8:00PM
PLANT ON LINE. PETE ON HAND.

SIGNED: Peter Okal DATE: 9-28-10

AIR MONITORING LOG
CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler J. JACKSON Date 9-27-10

Calibration Standard(s) 100PPM \ ISOBUTYLENE

Post-cal Readings 82.6 PPM \ 100.0 PPM

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

Comments: PID WAS CALIBRATED. AIR MONITORING WAS COMPLETED, DID NOT FIND AN AIR ISSUE INSIDE PLANT NOR OUT SIDE.

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

MON

DATE: 9-27-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	725	O&M	1530	
JAMES S. JACKSON	J Jackson	0458	O&M	0900	Home Training TONIGHT
RICHARD C. CRONCE					

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: 09-28-10

Weather Forecast (am): Raining, warm, and humid. Temps are to range from 71-75-64°F. Winds are 19-20 mph from SSE-south. Relative humidity is 85-90% with high winds and t-storms expected.

Total Volume Processed for Day 573,986 **gallons**

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
Problems with start up of GACF P2

Corrective Maintenance Performed:
Tightened MMC connections for GACF P2. Back on-line.
Landscaping tasks
Motor amp load readings

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

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

Record of any tests performed, samples taken, and personnel involved:
Motor amp load readings were recorded

Available Analytical Results
No new data received.

Calibration Procedures Performed:
No calibrations required

General Remarks:
The plant continues to run steady. Plant effluent flow for the period averaged 390+ gpm. Flow out of the plant remains full open but pumps continue to underperform. IW levels were also stable.

JSJ continues with the outdoor work and end of the month documentation.

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

Plant Manager Signature: Peter Takach, September 29, 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: 9-28-10 Time: 0605

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	23216

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	325606	162450				12.3	633543
EW-2	2642221	151940				12.7	57085
EW-3	2407783	190040				11.7	61441

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.5	93	3993322	STICKY MORNING TEMP @ 71°
IW-2	119.2	47	3649816	PLANT IS RUNNING FINE
IW-3	162.4	114	3783868	
IW-4	152.7	82	3320502	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74351	1.0	SB	SB	STAND-BY
INF 2	73133	1.7	1	12	
INF 3	28403	1.5	3	12	
ASF 1	41409	7.9	SB	SB	STAND-BY
ASF 2	119131	4.7	0	30	
ASF 3	112506	5.1	0	32	
GAC 1	44710	4.3	SB	SB	STAND-BY
GAC 2	46200	4.3	2	15	
GAC 3	33407	3.9	3	17	
REC 1	21934	2.0	OFF	OFF	
REC 2	20742	1.8	OFF	OFF	
INJ 1	65699	5.8	6	27	
INJ 2	39058	6.7	8	27	
INJ 3	—	—	NIS	NIS	NOT IN SERVICE
SUMP		1.0			
BLOWER		3.3			

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	11	12
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")	2.60	0.40
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.33	
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	14"	
Treat. Train 2	13½"	

Additional comments:

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

Supervisors Signature: Peter Pickard Date 9-29-10

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

OPERATOR: J. JACKSON DATE: 9-28-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) CLOUDY, DAMP MORNING, TEMP @ 71°, WITH CHANCES	
2) OF SHOWERS TODAY	
3)	
4) • THE DAILY OPERATORS LOG WAS COMPLETED.	
5)	
6) • DURING THE AM DRAWS	ADSORBER PUMP #1 CON-
7) TINUE TO FAIL - WIRES WERE LOOSE - RETIGHTENED	
8) WORKED FINE.	
9)	
10) • WORKED ON THE SEPTEMBER MAINTENANCE LOG	
11) FINISHED IT AND SENT IT TO PETE BY ~~FAX~~ E-MAIL	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • BEGAN WEEDWACKING IN	FRONT OF PLANT
2)	
3)	
4)	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

9-29-10

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

DATE: 9-28-10

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				NOT
CAUSTIC				IN
POTASSIUM PERMANGANATE				SERVICE
HYDROCHLORIC ACID				

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

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		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	FLOORS ARE WET
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: [signature]

DATE: 9-29-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

TUE
DATE: 9-28-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	7:15	OB	14:30	—
JAMES S. JACKSON	JJackson	0503	OOS	1045	Deli
		1100		1320	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: Wednesday
Date: 09-29-10

Weather Forecast (am): Mostly cloudy, warm, and humid. Temps are to range from 64-75-66^{O}F. Winds are 3-9-6 mph from WSW-SSE. Relative humidity is 65% with early fog, no rain.

Total Volume Processed For Day: 561,559 **gallons**

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
Continue to have problems with ASF check valves

Corrective Maintenance Performed:
Plant housekeeping
Rotated process pumps from 2&3 to 1&2
Checked BP-3 cluster

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

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

Record of any tests performed, samples taken, and personnel involved:
Infiltration Gallery water depth and meter readings recorded

Available Analytical Results
No new data received.

Calibration Procedures Performed:
No calibrations required

General Remarks:
The plant continues to run steady. Plant effluent flow for the period averaged 391 gpm. IW levels are high but steady.

End of the month documentation continues

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

Plant Manager Signature: Peter Takach, September 30, 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: 9-29-10 Time: 0512

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
391	0	23272

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	325771	164190					63359
EW-2	261401	179680					57101
EW-3	240972	187550					61457

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.5	96	4006848	Cloudy, Foggy MORNING.
IW-2	119.9	96	3662416	TEMP @ 67 of
IW-3	163.4	113	3800048	
IW-4	152.7	82	3332163	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	74351	NM	SB	SB	STAND - BY
INF 2	73186		2	12	
INF 3	28427		3	11	
ASF 1	41406		SB	SB	STAND - BY
ASF 2	49154		0	30	
ASF 3	42529		0	31	
GAC 1	44710		SB	SB	STAND - BY
GAC 2	48224		2	15	
GAC 3	33430		2	16	
REC 1	21934		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65123		6	27	
INJ 2	39081		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER					

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

AS Blower (H_2O")	4.6	
Air Temp (°F)	57°	57°
Water Temp (°F)		170
V-GAC #1 (H_2O")	265	0.45
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.32	
Reactor Tank 2	5.16	
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 1/4"	

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby

NIS = Not in service

Supervisors Signature: Peter Mack Date 9-30-10

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

OPERATOR: J. Jackson DATE: 9-29-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • Cloudy, Foggy MORNING, TEMP @ 67°F	
2)	
3) • the PLANT RAN FINE OVER NIGHT	
4)	
5) • the daily operators Log W/AS Completed	
6)	
7) • Took the Physical Exam - OFF SITE	
8)	
9) • Call made TO IT, TO Correct MY PDF Problem	
10) by installing adobe.	
11)	

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

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

9-30-10

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

DATE: 9-29-10

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				NIS HOLDS WATER
CAUSTIC				NIS HOLDS WATER
POTASSIUM PERMANGANATE				NIS EMPTY
HYDROCHLORIC ACID				NIS HOLDS WATER

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	OK SOME CONDENSATE ON FLOOR
SHARP EDGES	OK
PINCH POINTS	OK
OTHER HAZARDS	OK

Air Compressor	General Conditions and Comments
TANK	NOT ON LINE
AFTER COOLER	
AIR DRIER	
MOTOR & COMPRESSOR	

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

Notes and Comments:

SIGNED: [signature]

DATE: 9-30-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

WED

DATE: 9.29.10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	715	O&M	1545	
JAMES S. JACKSON	J Jackson	0509	OPS	0845	Exam
	J Jackson	1045		1330	Home
RICHARD C. CRONCE		PCT			

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: 09-30-10

Weather Forecast (am): Rain, heavy at times. Temperatures are to range from 72-74-66°F. Wind will be from the SSE at 13-28 mph. Relative humidity is 95%. Rain all day and night, scattered T-storms.

Total Volume Discharged for Day: 567,391 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:
Outdoor plant clean up
Worked on problems with check-valve for ASF P3

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:
Plant ran well throughout the period. Plant effluent flows are up and holding steady and averaged 391 gpm for the day. Influent flow is at 372 gpm.

End of month documentation continues.

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

Plant Manager Signature: Peter Takach, October 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: Thursday Date: 9-30-10 Time: 0526

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	23329

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	325935	114280					53375
EW-2	264580	179720					57117
EW-3	241160	185710					61473

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.4	96	40205412	HEAVY RAIN AT TIMES THIS MORNING
IW-2	118.3	96	36716156	PLANT IS RUNNING FINE
IW-3	163.4	113	36163288	
IW-4	152.8	82	33439586	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	74371	NM	2	10	
INF 2	73180		2	12	
INF 3	28430		SB	SB	STAND-BY
ASF 1	41429		1	32	
ASF 2	49176		0	30	
ASF 3	42533		SB	SB	STAND-BY
GAC 1	44780		2	16	
GAC 2	48247		2	15	
GAC 3	33433		SB	SB	STAND-BY
REC 1	21934		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	65146		6	27	
INJ 2	39105		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP					
BLOWER					

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

AS Blower (H_2O")	9.6	
Air Temp (°F)	57°	57°
Water Temp (°F)		17°C
V-GAC #1 (H_2O")	2.55	1.00
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.33	
Reactor Tank 2	5.19	
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	13¾"	
Treat. Train 2	13½"	

Additional comments:
TODAY THERE ARE HEAVY RAINS

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

Supervisors Signature: Peter Hall Date 10-1-10

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

OPERATOR: J Jackson DATE: 9-30-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• this MORNING it's Cloudy, Dark, HEAVY RAIN	
2)	DRIVING IN.	
3)		
4)	• HEAVY RAINS ON & OFF this MORNING	
5)		
6)	• the PLANT is RUNNING FINE	
7)		
8)	• the daily OPERATORS LOG WAS Completed.	
9)		
10)	• @ 0916 - the RAIN IS VERY, VERY heavy AT TIMES	
11)		

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• WAS PLANNING ON TAKING the TRUCK IN FOR INSPECTION	
2)	think IT WILL BE DONE Tomorrow - BAD WEATHER	
3)		
4)	• Completed the EH&S 150 - MANUAL LIFING COURSE	
5)	NOW CERTIFIED.	
6)		
7)	• Weed wacked PORTION OF FRONT OF PLANT.	
8)		
9)		
10)		
11)		

	IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)	

10-1-10

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

DATE: 9-30-10

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

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

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

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		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	MORE WATER THRUGH OUT PLANT
SHARP EDGES	NONE
PINCH POINTS	NONE
OTHER HAZARDS	NONE

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

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

Notes and Comments:

SIGNED: [signature]

DATE: 10-1-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

Thrus

DATE: 9-30-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	925	OPS	1650	
JAMES S. JACKSON	J. Jackson	0607	OPS	1338	HOME
RICHARD C. CRONCE	RC				

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March 3, 2008