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

Prepared for:

United States Army Corps of Engineers
Kansas City District

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

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ACRONYMS AND ABBREVIATIONS

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
SVE	soil-vapor extraction
TOB	Town of Oyster Bay
UPS	United Parcel Service
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 August 2010, the period defined as 0600 hours, August 1, 2010, through 0600 hours, September 1, 2010. All work was performed in accordance with SAIC Contract W912 DQ-07-D-0044 - Task 0001 under Option Year 3 of the contract. The facility operated for 31 days in the August reporting period with 257 minutes of downtime for the backwashing of the carbon adsorber vessels.

WRS was at the old plant on two occasions this month. The first time was to evaluate the reinstallation of the soil-vapor extraction (SVE) system. The second time was to collect samples of the indoor debris piles for asbestos analysis.

A copy of Project Status Report No. 38 is provided in Appendix A.

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

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

2.0 OPERATION AND MAINTENANCE LOGS

2.1 Daily Quality Control Reports

The daily operations of the GWTS are documented in the DQCRs. The DQCRs include a summary of the daily operational activities, the Daily Operating Logs, the Daily Activities Summary Reports, the Daily Site Safety Inspection Forms, Weekly Air Monitoring Logs, the Sound Level Monitoring

Worksheets, and the Employee and Subcontractor/Visitor Sign-in Sheets. Copies of these documents are also provided in Appendix B.

2.2 Summary of Maintenance Activities

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

- Monthly scheduled tasks included motor amp load readings, injection well (IW) depth soundings, IW falling head tests, valve function tests, comprehensive site inspections, infiltration gallery (IG) water level readings, and other function tasks.
- Landscaping and outdoor site maintenance were performed, as needed.
- The process pumps were rotated (two on-line, one off) three times during this period as part of the preventive maintenance task.
- The process pH probes were cleaned, inspected, calibrated, and adjusted, as necessary.
- Activities continued with the cleaning and painting of process equipment and supporting structures.
- The transformer on the second overhead door (west) failed and the door is disabled. The transformer is scheduled for replacement.
- A plastic fence was installed around the sinkhole at IW-4.
- The carbon adsorber vessels were air sparged and backwashed through two cycles each.
- The leaking flange gasket on the permanganate tank drain was replaced.
- The sand filter risers were air sparged and brushed.
- Plant overhead lights were replaced as necessary.
- The air stripper blower motor shaft was lubricated and belts tightened.

- The cracked windshield of the plant truck was replaced.
- The air compressor was cleaned and mechanically 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

- Mail was delivered three times.

- FedEx returned five sampling coolers on four trips.
- United Parcel Service (UPS) delivered McMaster-Carr order.
- UPS delivered power master transformer.
- Brian Hibshman of Aptus Controls was on-site for two days to continue his electrical and control tasks.

3.4 Visitors

- Paul Lanzillotta of Water to Wire Inc. was in to review the electrical and control work.
- Anthony Lagonigro of Neutron, Inc., was in to review the electrical and control work.
- Andrew Popkin of Popkin Electric was in to review the electrical and control work.

4.0 HEALTH AND SAFETY

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

No incidents or accidents occurred during August 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 August 2010, as measured from 0600 hours on August 1, 2010, to 0600 hours on September 1, 2010, was 17,285,026 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 48,248,572 gallons. This is approximately nine 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 July was 387 gallons per minute (gpm) and 557,581 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 August are indicated below:

Injection Well System	Flow Average (gpm)	Volume Discharged (Gallons)
IW-1	94.6	4,224,560
IW-2	89.8	4,008,820
IW-3	109.5	4,888,930
IW-4	80.9	3,612,020
System	374.8	16,734,330

There is a discrepancy between the total of the individual flows with that of the plant discharge (PD) flowmeter of ~12 gpm. Much of this error is due to how the magnetic flow meter records flow.

8.0 CHEMICAL CONSUMPTION

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

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

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

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

9.0 CARBON USAGE

9.1 Aqueous-Phase Carbon

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

Rising differential pressure readings across the vessels indicated the need for backwashing the vessels. Each vessel was air sparged and then backwashed twice.

Carbon fines and granular carbon were collected from the backwash discharge. No new carbon was added to the vessels.

9.2 Vapor-Phase Carbon

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

10.0 SLUDGE DISPOSAL

- No water treatment sludge was collected or disposed of during this period.
- Four 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 August.

13.0 OTHER OPERATIONS, MAINTENANCE, OR MANAGEMENT ISSUES

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

Several ongoing plant-wide issues include:

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

14.0 PROPOSED CHANGES TO STANDARD OPERATING PROCEDURES (SOP)

- Procedures and standard forms are reviewed and revised as needed. In August, this included:
  - Emergency Shut Down Procedures CPS-Form-014 (to rev. C)
- No new procedures were submitted.
- A bulk chemical inventory sheet and a site map with bulk chemical locations were included in the MSDS manual.

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 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 August included:

- The PD was sampled August 8 for organics. These samples were shipped to Division of Environmental Science and Assessment (DESA) laboratory for analysis.
- Analytical data for the July groundwater (GW) organic samples was received.
- An Analytical Services Request (ASR) was submitted for the September PD sampling task. The EPA assigned the DESA laboratory for the 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)
August 2, 2010	5.90	15
August 9, 2010	6.36	18
August 11, 2010	6.25	16
August 16, 2010	6.42	18
August 23, 2010	6.22	18
August 30, 2010	6.45	20
Monthly Average	**6.27**	**17.5**

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 August 19, 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 August, the plant operated on a stable basis, where plant effluent and IW levels were steady. In July, influent pump #2 failed and low flows allowed the plant to cycle off. Other dips were caused by maintenance tasks. The water level in IW-2 has dropped for no apparent reason, and the transducer is scheduled for inspection.

A falling head test was performed on the IWs on August 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 IW-4 is operating near its baseline. Well IW-3, while off its baseline, is stable. IW-1 is also stable but much further off its baseline. IW-2 is stable and operating near its base line. The condition of the wells is unchanged from July.

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:

- August'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 systems have been tested.

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 August, 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 failed to operate as intended. Pump #3 emits a high-pitched whine which will require future address.

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.

Both vessels were backwashed in August. 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 August. Routine maintenance tasks continue.

FIGURES

Figure 7-1. Actual Versus Treated Water Goal

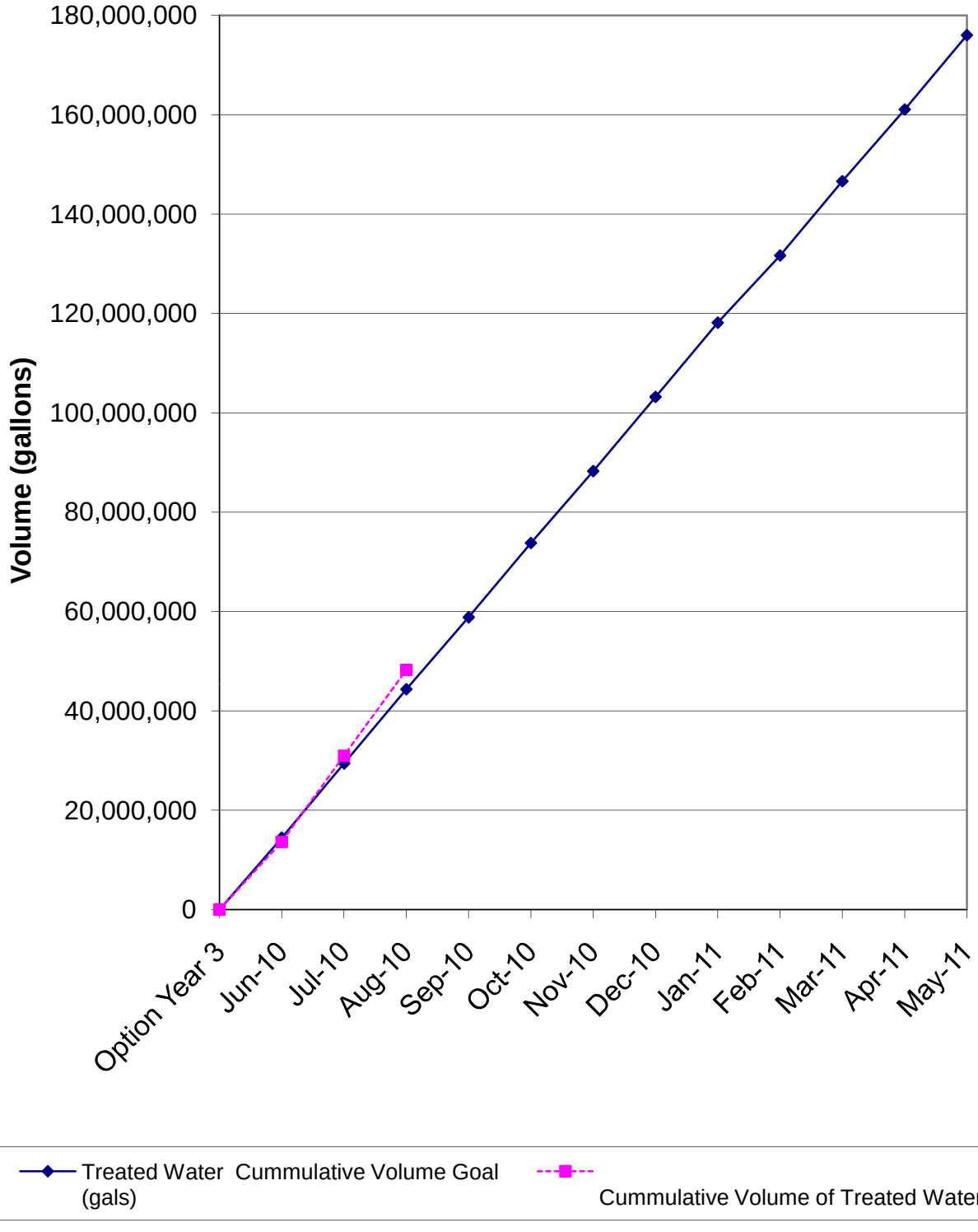


Figure 15-1 Injection Well Elevations and Daily Flow

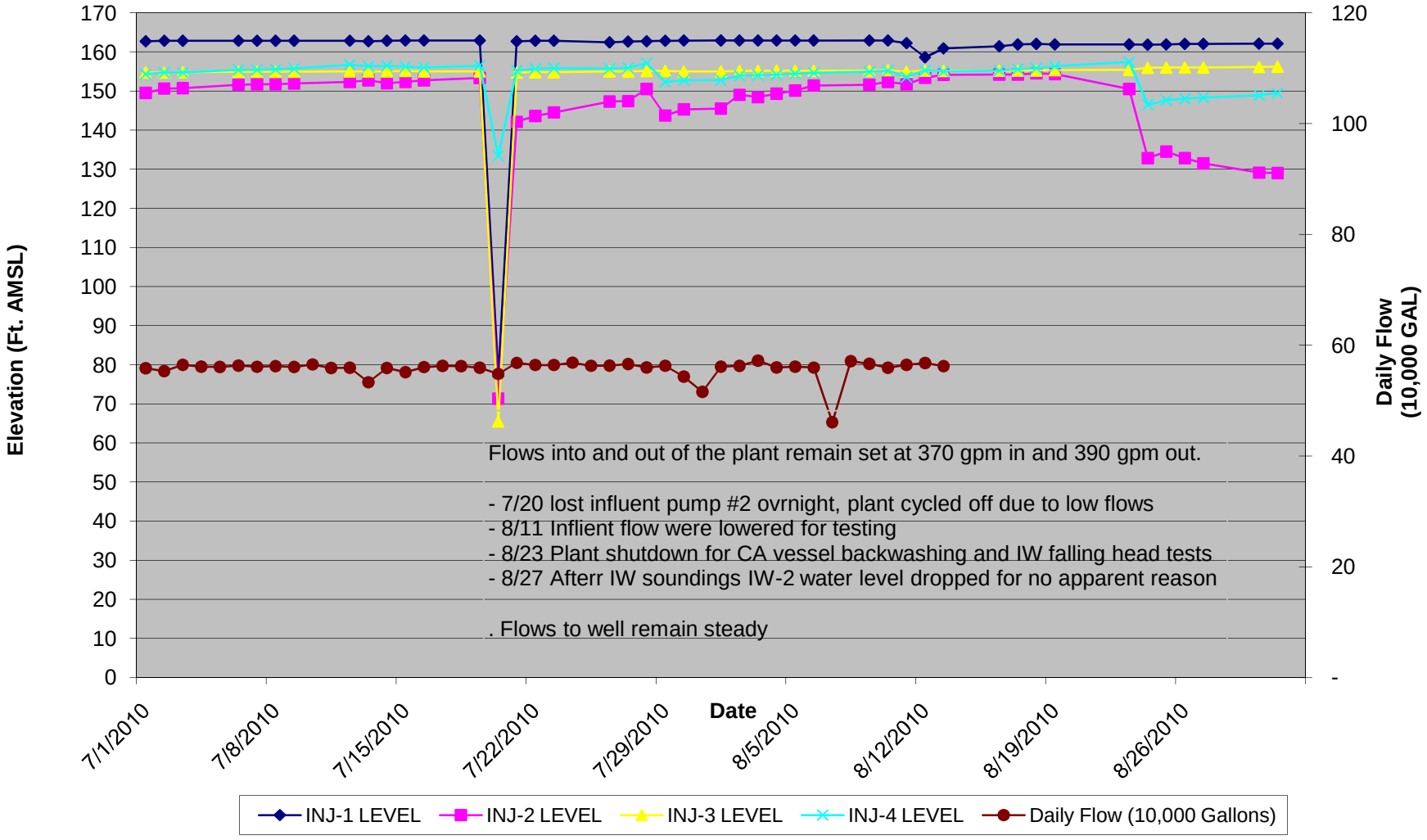


Figure 15-2 Injection Well Falling Head Test August 23, 2010

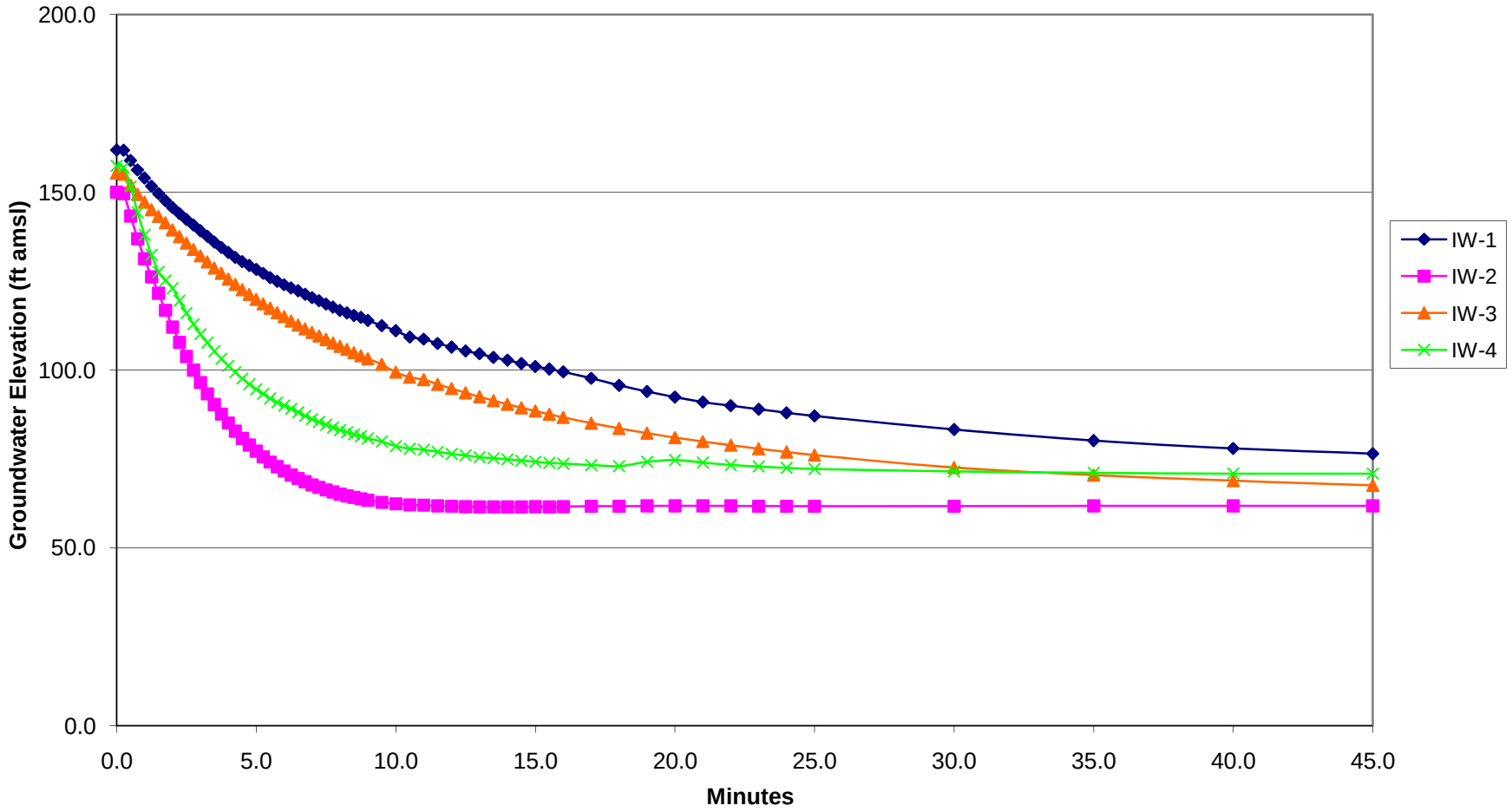
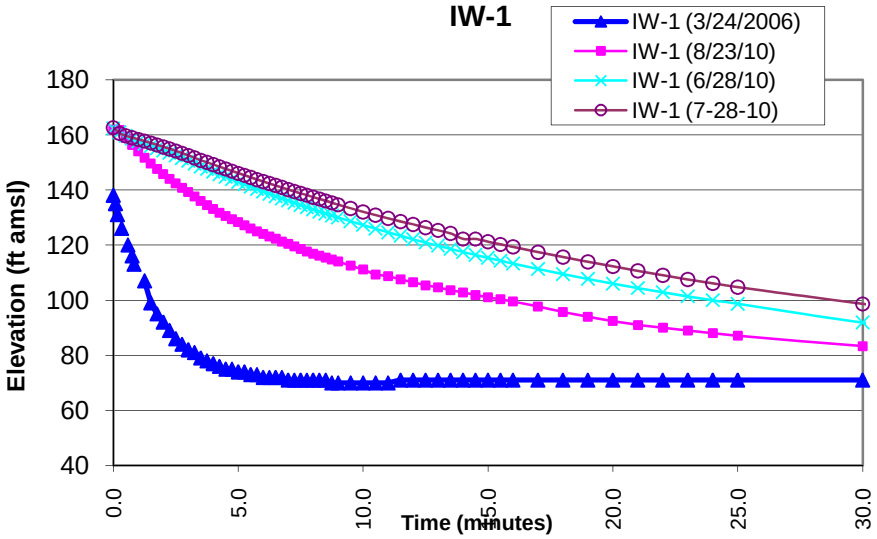
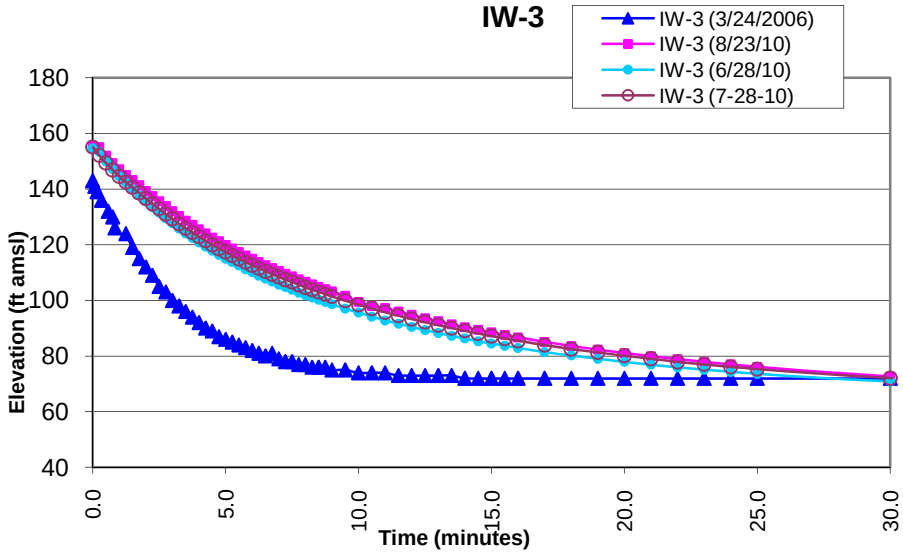
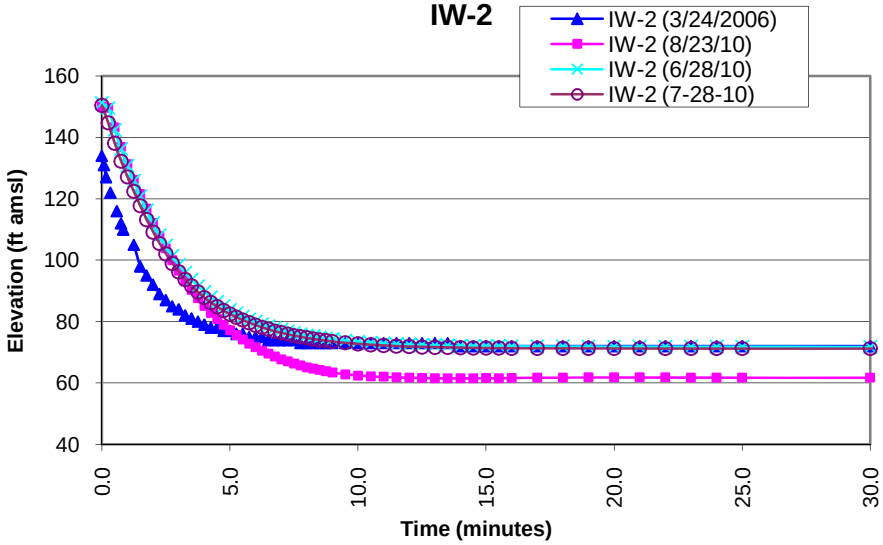
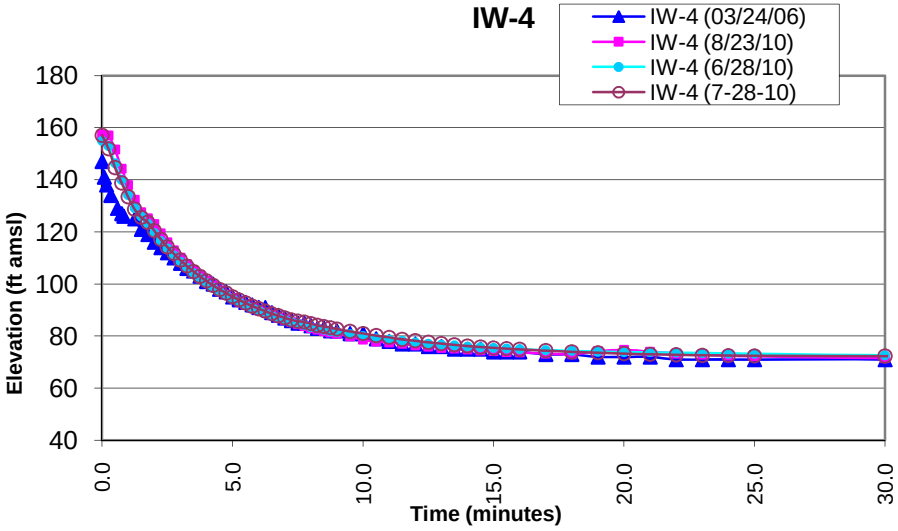


Figure 15-3 Comparison of Post-Redevelopment and March 2006 Falling Head Tests









TABLES

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

Aug-10

SYSTEM	UNITS	EQUIPMENT	ACTION	FREQUENCY	2-Aug	9-Aug	16-Aug	23-Aug	30-Aug	COMMENTS
EXTRACTION WELLS										
new motor installed in #2 6/18/10	3	PUMPS	HOUR READINGS	DAILY	FF	FF	FF	FF	FF	
new pump and motor in #1 on 7/22/10	3	MOTORS	AMP DRAW	MONTHLY	-	-	-	complete	-	Amp Draws taken 8/30
EQUALIZATION TANK	1	TANK	INSPECT	Daily	FF	FF	FF	FF	FF	Tanks are inspected daily. Some rust observed
jogged mixer 9/3/09	1	MIXER	exercise	as needed	-	-	-	-	-	mixer is off line
inspected and cleaned 8/09	1	INFLUENT STRAINER	INSPECT(last 10/06)	MONTHLY	-	-	-	-	-	
INFLUENT PUMPS	3	SUCTION VALVES	EXERCISE	MONTHLY	-	-	-	FF	FF	Pump isolation valves are exercised monthly and during plant shutdowns
	3	DISCHARGE VALVES	EXERCISE	MONTHLY	-	-	-	FF	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	FF	
new pump head installed P-3 10/08	3	PUMP MOTORS	INSPECT	Monthly	FF	-	-	-		pumps rotated 3 times in August
P#2 mech. seal installed 12/09			LUBRICATE	MONTHLY	FF	-	-	-		
			AMP DRAW	MONTHLY	-	-	-	complete		Amp Draws taken 8/30
	2	FLOW DIRECTION VALVES	EXERCISE	MONTHLY	FF	-	-	-		adjusted as needed during pump rotations
actuators removed 6/2/08	2	FLOW CONTROL VALVES	INSPECT	Monthly	FF	FF	FF	FF	FF	Valves normally open
	2	MAGNETIC FLOW METERS	INSPECT	WEEKLY	FF	FF	FF	FF	FF	
			CALIBRATE	as needed	FF	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	FF	checked weekly vs lab meter
			INSPECT	MONTHLY	cleaned	cleaned	cleaned	cleaned	cleaned	inspected and cleaned as needed
			CALIBRATE	MONTHLY	cal'd	cal'd	cal'd	cal'd	cal'd	last calibrated 8/30
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	FF	checked weekly vs lab meter
			INSPECT	MONTHLY	cleaned	cleaned	cleaned	cleaned	cleaned	inspected and cleaned as necessary
			CALIBRATE	MONTHLY	cal'd	cal'd	cal'd	cal'd	cal'd	Last calibrated 8/30
CAUSTIC FEED		Bulk Chemical - drums	INVENTORY	WEEKLY	7	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	-	-	-	-		

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

SYSTEM	UNITS	EQUIPMENT	ACTION	FREQUENCY	2-Aug	9-Aug	16-Aug	23-Aug	30-Aug	COMMENTS
POLYMER FEED		Bulk Chemicals -bags	INVENTORY	Weekly	0	0	0	0	0	The polymer feed system is currently offline.
	2	POLY TANK	INSPECT	MONTHLY	-	-	-	-		The system was tested 5/29/09. Water fill and level controls work.
system last tested 05/09	2	MIXER	INSPECT/EXERCISE	MONTHLY	-	-	-	-		Neither mixer is getting power at LCP. An investigation revealed wiring
			CLEAN	AS NEEDED	-	-	-	-		inconsistencies and missing control parts. Pumps work in manual mode
	2	DRAIN VALVE	EXERCISE	MONTHLY	-	-	-	-		with variable speed. No leaks.
	2	WATER SUPPLY VALVES	EXERCISE	MONTHLY	-	-	-	-		
	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	0	The potassium permangante feed system is currently off-line. The
	1	POLY TANK	INSPECT	MONTHLY	-	-	-	-		system requires replacement of PLC control system to be operational.
	1	MIXER	INSPECT/EXERCISE	MONTHLY	-	-	-	-		Repair work is scheduled.
			CLEAN	AS NEEDED	-	-	-	-		Flange gasket on tank drain was replaced 8/24. System not retested
	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
	1	DRAIN VALVE	EXERCISE	MONTHLY	-	-	-	-		offline. Due to lack of solids in the groundwater, metals precipiation is
	1	SLUDGE PUMP INF. VALVE	EXERCISE	MONTHLY	-	-	-	-		not required at this time.
mixer jogged 05/09	2	MIXER	EXERCISE	MONTHLY	-	-	-	-		
	1	SLUDGE PUMP EFF. VALVE	EXERCISE	MONTHLY	-	-	-	-		
	2	GAUGE VALVES	EXERCISE	MONTHLY	-	-	-	-		
FLASH/FLOC TANK # 2	1	SAMPLE PORT VALVE	EXERCISE	MONTHLY	-	-	-	-		
	1	DRAIN VALVE	EXERCISE	MONTHLY	-	-	-	-		
	1	SLUDGE PUMP INF. VALVE	EXERCISE	MONTHLY	-	-	-	-		
mixer jogged 05/09	2	MIXER	EXERCISE	MONTHLY	-	-	-	-		
	1	SLUDGE PUMP EFF. VALVE	EXERCISE	MONTHLY	-	-	-	-		
	2	GAUGE VALVES	EXERCISE	MONTHLY	-	-	-	-		
CLARIFIER # 1	1	BAFFLES	INSPECT	WEEKLY	FF	FF	FF	FF	FF	cleaned periodically
			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	FF	cleaned as needed
CLARIFIER # 2	1	BAFFLES	INSPECT	WEEKLY	FF	FF	FF	FF		cleaned as needed
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		

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

SYSTEM	UNITS	EQUIPMENT	ACTION	FREQUENCY	2-Aug	9-Aug	16-Aug	23-Aug	30-Aug	COMMENTS
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. System PM'd and cleaned 8/26/10
(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		as necessary
#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 nescesary	FF	off	off	off		as necessary
			Cartridge	As Necessary	FF	off	off	off		
	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 August
	3	PUMP MOTORs	INSPECT	WEEKLY	FF	FF	FF	FF		amp draws taken 8/30
			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

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

SYSTEM	UNITS	EQUIPMENT	ACTION	FREQUENCY	2-Aug	9-Aug	16-Aug	23-Aug	30-Aug	COMMENTS
HYDROCHLORIC FEED		Bulk Chemistry - plastic drums	INVENTORY	WEEKLY	1	1	1	1	1	The hydrochloric acid feed system is currently offline and out of service. Equipment is checked as needed.
	1	MIXER	INSPECT	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 8/30
last greased 6/29/10			GREASE BEARINGS	MONTHLY	FF	-	-	-		installed a drain on blower housing
	1	Blower Magnehelic	INSPECT	WEEKLY	FF	FF	FF	FF		bearings greawsed 8/31
	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 August
New PG (P-2 out) 9/08			LUBRICATE	AS NEEDED	FF	-	-	-		
			AMP DRAW	MONTHLY	-	-	-	-		Amp Draws taken 8/30
	3	CHECK VALVES	LUBRICATE	MONTHLY	FF	-	-	-		periodically
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	-	-	-		both vessels 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	-	-	-		

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

SYSTEM	UNITS	EQUIPMENT	ACTION	FREQUENCY	2-Aug	9-Aug	16-Aug	23-Aug	30-Aug	COMMENTS
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 8/30
IW-3 pipe repaired 1/10	4	Injection Wells	Inspect	as necessary	FF	FF	FF	FF		Falling head tests completed 8/23, no overflows
Infiltration Galleries installed 9/10	2	Infiltration Galleries	Valves	as necessary				FF		Currently IG-1 and IG-3 set at 1/2 open
	3	CHECK VALVES	LUBRICATE	as needed	FF	-	-	-		
			INSPECT	QUARTERLY	-	-	-	-		
	3	PUMP INFLUENT VALVES	EXERCISE	MONTHLY	FF	-	-	-		
	5	PUMP EFFLUENT VALVES	EXERCISE	MONTHLY	FF	-	-	-		
	3	RECYCLE FLOW VALVES	EXERCISE	MONTHLY	FF	-	-	-		
	1	BACKWASH FEED VALVE	EXERCISE	MONTHLY	FF	FF	FF	FF		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		
	12	FLOOR DRAINS	INSPECT	WEEKLY	FF	FF	FF	FF		clear
sump & Pre sump cleaned 9/09	2	FLOW CONTROL VALVES	EXERCISE	MONTHLY	FF	FF	FF	FF		exercised during backwash operations
RECYCLE SYSTEM	2	PUMPS	INSPECT	WEEKLY	FF	FF	FF	FF	FF	
pumps and trays painted 4/10		PUMP MOTORS	INSPECT	WEEKLY	FF	FF	FF	FF	FF	system spends most time in standby mode
			LUBRICATE	AS REQUIRED	-	-	-	-		
			AMP DRAW	MONTHLY	-	-	-	-		Amp Draws taken 8/30
	2	CHECK VALVES	LUBRICATE	as needed	-	-	-	-		
			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		

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

SYSTEM	UNITS	EQUIPMENT	ACTION	FREQUENCY	2-Aug	9-Aug	16-Aug	23-Aug	30-Aug	COMMENTS
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 2-1 Maintenance Log
Claremont Polychemical Superfund Site
Old Bethpage New York

SYSTEM	UNITS	EQUIPMENT	ACTION	FREQUENCY	2-Aug	9-Aug	16-Aug	23-Aug	30-Aug	COMMENTS

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

August 2010

DATE	TOTALIZER READING	GALLONS PER DAY	GALLONS PER MINUTE
8/1/2010	199711807	598193	415
8/2/2010	200310000	570000	396
8/3/2010	200880000	560000	389
8/4/2010	201440000	560000	389
8/5/2010	202000000	570000	396
8/6/2010	202570000	1680000	389
8/9/2010	204250000	560000	389
8/10/2010	204810000	550000	382
8/11/2010	205360000	510000	354
8/12/2010	205870000	560000	389
8/13/2010	206430000	1690000	391
8/16/2010	208120000	570000	396
8/17/2010	208690000	560000	389
8/18/2010	209250000	560000	389
8/19/2010	209810000	2240000	389
8/23/2010	212050000	460000	319
8/24/2010	212510000	570000	396
8/25/2010	213080000	570000	396
8/26/2010	213650000	560000	389
8/27/2010	214210000	1690000	391
8/30/2010	215900000	570000	396
8/31/2010	216470000	526833	366
9/1/2010	216996833		
Aug. 2010 TOTAL TREATED WATER		**17,285,026**	
Aug. 2010 AVERAGE GALLONS PER MINUTE DISCHARGED			**387**

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
Change 6/17/04 to present		**101.55**		**6.80**		**4.15**		**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		**75.55**		**0.32**		**0.55**		**0.98**

APPENDIX A

Project Status Reports

Project Status Report No. 38
Long Term Response Action (LTRA) Contract W912 DQ-07-D-0044-0001
Science Applications International Corporation
Date: August 27, 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 August 1, 2010 through August 26, 2010. This represents the thirty eighth status report under SAIC's Long Term Response Action (LTRA) contract W912 DQ-07-D-0044-0001.

Quantity of Water Treated

Approximately 14.5 million gallons of groundwater were treated during this 26 day period. This equates to 557,623 gallons per day of continuous water treatment at an average treatment rate of ~387 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 257 minutes this month in order to backwash the carbon adsorber units. No other downtime was experienced.

General Activities and Events

This Reporting Period

- Site activities involved normal GWTP operations, maintenance and inspections.
- There has been some activity at the old Claremont plant. WRS was in to review its needs for reinstalling the SVE system. WRS returned to sample indoor debris piles for asbestos.
- It was decided that the redundant keyed e-stops at the injection pumps could be eliminated when the third pump is wired.

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 emergency shut-down procedure (CPS-GPO-014) was revised (rev. C).
- The monthly plant discharge sampling documents were completed and submitted,
- A description of the permanganate (KMnO4) feed control system was written for possible PLC programming.
- The scope of work (SOW) for the plant electrical tasks was received from Aptus Controls. This SOW was approved and set to selected contractors.
- As per the SSHP, an inventory of on-site bulk chemicals and their site-plan location was included in the MSDS Manual.

Upcoming

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

Operations and Maintenance Activities

This Reporting Period

- Daily, weekly and monthly O&M tasks on plant systems were performed.
- Comprehensive site safety inspections continue.
- Interior and exterior plant housekeeping continues.
- Acceptable water levels were maintained in the injection wells and galleries.
- The process pH electrodes were cleaned, calibrated and adjusted as needed.
- The process pumps were rotated three times during this period as part of the preventive maintenance (PM) task.
- Process equipment and support structures continue to be cleaned and painted.
- The lower level overhead door failed. The motor control transformer requires replacement.
- A plastic fence barrier was installed around the sinkhole at IW-4.
- The carbon adsorber vessels were sparged with air and backwashed through two cycles each.
- A drain valve was installed on the AS blower housing.
- The flange gasket on the KMnO4 tank drain was replaced.
- The sand filter risers were brushed and air sparged.
- Several high pressure lamps were replaced in the plant.
- The transmission belts on the AS blower were tightened and the shaft lubricated.
- The cracked windshield on the plant truck was replaced.

Upcoming

- Ongoing routine operations and maintenance tasks. (high priority)
- Set up dedicated sampling pumps for selected monitoring wells. (low)
- Continue with the electrical technician evaluation and 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 August 11, with the organic samples shipped to DESA Lab.
- The plant discharge was sampled for temperature and pH on 5 occasions.
- An ASR for September's samples was submitted.

Upcoming

- Complete the September PD sampling tasks including documentation.
- Submit ASR for the October GW and PW 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 from the monitor devices site. 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 are 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

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.
- Complete plant inventory

Budget/ Finance Status

- No activity this month.

Miscellaneous Issues or Problems Encountered

- No new issues to note

Upcoming

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

General Activities Schedule

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

APPENDIX B

Daily Quality Control Reports (DQCRs)

APPENDIX B

Daily Quality Control Reports (DQCRs)

CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

VISITOR/SUBCONTRACTOR LOG

Month & Year: AUG 2010

DATE	NAME	SIGNATURE	COMPANY	IN	OUT
8-10-10	PAUL LANZILLOTTA		WIRE TO WATER	2:15	2:45
8-11-10	Anthony Lagonigro		Newton E.	8:10	8:30
8/11/10	Andrew Rapi	Andrew Rapi.	Rapin Elec.	10:45	11:30

Operator: JACKSON Day: MONDAY Date: 8-02-10 Time: 0540

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
391	0	26027

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	316236	170400	170240	165810	166470		62463
EW-2	250147	181130	181110	176160	178730		56181
EW-3	220225	188510	188510	185580	186620		60540

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	169.9	9.6	3240013	COOL MORNING TEMPS
IW-2	168.0	9.1	2899160	
IW-3	165.1	11	2861794	
IW-4	158.9	8.3	2641310	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	73386	NM	3	7	
INF 2	72294		3	12	
INF 3	27544		28	SB	STAND-BY
ASF 1	96449		2	32	
ASF 2	95242		2	32	
ASF 3	91651		SB	SB	STAND-BY
GAC 1	43745		2	17	
GAC 2	97361		2	15	
GAC 3	32552		SB	SB	STAND-BY
REC 1	21933		OFF	OFF	
REC 2	20140		OFF	OFF	
INJ 1	63177		7	27	
INJ 2	37726		9	28	
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")	47	
Air Temp (°F)	57°C	57°C
Water Temp (°F)		
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	5.17	5.15 | 15%
Reactor Tank 2	4.86	5.84 | 15%
AS. Feed	547	6.16 | 16%
PLANT DISCHARGE - pH		6.45
PLANT DISCHARGE - Temp.		15.0

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. Pekal Date 8-3-10

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

OPERATOR: A. Jackson DATE: 8-02-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• the Weekly PH & TEMPS WERE TAKEN	
2)		
3)	• the PID was Calibrated - AIR MONITORING WAS	
4)	DONE •	
5)		
6)	• ONTON PH METER W/AS Calibrated - Readings	
7)	DID NOT LOOK Correct - Rechecked the Cals Chq	
8)		
9)	• the operators Log Completed	
10)		
11)	• Began doing some Paperwork	

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

	IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)	

A. Jackson 8-3-10

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

DATE: 8-02-10

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

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
POLYMER	–	–	–	OL
CAUSTIC	–	–	–	OL
POTASSIUM PERMANGANATE	–	–	–	OL
HYDROCHLORIC ACID	–	–	–	OL

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	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: _____ DATE: 8-3-10

AIR MONITORING LOG
CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler J. Jackson Date 8-02-10

Calibration Standard(s) 100 PPM \ ISOBUTYLENE

Post-cal Readings 86.7 PPM \ 100 PPM

Location		Reading (ppm)
CONTROL ROOM		
	Laboratory	0.0
	Bathroom	0.0
	Office	0.0
PLANT		
	Influent Area	0.0
	Sludge Storage Area	0.0
	Sand Filter Area	0.0
	Air Compressor Area	0.0
	Sludge Press Area	0.0
EXTERIOR		
	Storage Tanks	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:

PET

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

MON

DATE: 8-02-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	720	O&M	1550	
JAMES S. JACKSON	O. Jackson	0525	O&M	1343	Home
	OUT	11 -	1125		
RICHARD C. CRONCE					

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

Day: Tuesday
Date: 08-03-10

Weather Forecast (am): Mostly cloudy and humid. Temperatures are to range from 73-83-71°F. Wind will be from the SSW at 9-18-11 mph. Relative humidity is 60%. Rain is not expected.

Total Volume Discharged 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:
Outdoor plant clean up
Vacuumed condensation puddles

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 Peter Takach, August 4, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: J Jackson Day: Tuesday Date: 8-03-10 Time: 0527

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
186	186	0

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
391	0	700853

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	316401	165680					62489
EW-2	254323	171290					56200
EW-3	230409	165510					60556

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.9	95	3227653	PLANT IS RUNNING FINE
IW-2	148.4	92	2912158	
IW-3	155.1	111	2897750	
IW-4	154.0	81	2657948	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73409	NM	3	7	
INF 2	72318		3	12	
INF 3	27549		SB	SB	STAND-BY
ASF 1	40467		2	33	
ASF 2	46315		2	30	
ASF 3	41651		SB	SB	STAND-BY
GAC 1	43768		2	17	
GAC 2	47385		2	15	
GAC 3	32552		SB	SB	STAND-BY
REC 1	21933		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	638601		6	27	
INJ 2	37752		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—	V			
BLOWER	—				

	INLET	OUTLET
GAC #1 (PSI)	9	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")	2.45	0.60
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.32	
Reactor Tank 2	5.31	
AS. Feed	5.98	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

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

Additional comments:

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

Supervisors Signature: P. Hall Date 8-4-10

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

OPERATOR: James Jackson DATE: 8-03-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • The Daily Operators Log W/AS Cleaned	
2)	
3) • E-mailed Casey about some issues with	
4) the U-22 Horiba	
5) A) Ph Probe does not Respond Quickly to	
6) Ph Solution)	
7) B) Turbidity seem to be all over the Place	
8)	
9) • Call made to Coventry Worker's Comp Service	
10) which is our Truck Insurence Company. Claim	
11) was started For the Crack Windshield - FAXED	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) Over the Paper Work Now Waiting on the	
2) Claim Adjuster.	
3)	
4) • More Paper Work Done.	
5)	
6) • Set up Pressure Washer For Future Powerwashing	
7) Sand Filter	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Pat Packer 8-4-10

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

DATE: 8-03-10

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				
CAUSTIC				
POTASSIUM PERMANGANATE				NOT IN SERVICE
HYDROCHLORIC ACID				

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

Process Systems	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
INFLUENT	✓	✓		OK
SLUDGE SETTLER	✓	✓	✓	OK
RECYCLE	✓	✓	✓	OK
AIR STRIPPER FEED	✓	✓	✓	#3 Check Valve Lubricated
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	OL
AFTER COOLER	OL
AIR DRIER	OL
MOTOR & COMPRESSOR	OL

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

Notes and Comments:

SIGNED: R. Chuck DATE: 8-4-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

TUE

DATE: 8-03-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	PTakach	730	OPS	1550	✓
JAMES S. JACKSON	JJackson	0522	OPS	1340	Home
RICHARD C. CRONCE	RCC				

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

Day: Wednesday
Date: 08-04-10

Weather Forecast (am): Humid, hot, and hazy. Temperatures are to range from 76-84-74^{o}F. Wind at9-17-13 mph from the SSW. Relative humidity is 75-80%. There is a chance of t-storm activity.

Total Volume Discharged for Day: 563,128 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
Backwashed settling filters risers with air sparging
Cleaned up wind blown trash on grounds

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. IW levels are high but not near overflow levels and plant flows are steady. Plant effluent averaged 391 gpm.

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

Plant Manager Signature: Peter Takach, August 5, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: J. JACKSON Day: WEDNESDAY Date: 8-04-10 Time: 0531

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
391	0	76140

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	316569	168970					62425
EW-2	154561	179530					62216
EW-3	230596	187240					60572

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.9	95	3241388	THE MORNINGS ARE MUCH LIGHTER
IW-2	149.3	92	2975296	PLANT IS RUNNING FINE
IW-3	155.2	112	2913817	
IW-4	154.1	81	2669623	WILL SURGE SAND FILTERS TODAY

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	73433	NM	3	6	
INF 2	72341		3	13	
INF 3	27549		SB	SB	STAND-BY
ASF 1	41491		1	32	
ASF 2	48334		1	30	
ASF 3	41651		SB	SB	STAND-BY
GAC 1	43791		3	15	
GAC 2	47406		3	15	
GAC 3	32552		SB	SB	STAND-BY
REC 1	21933		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	63824		6	27	
INJ 2	37725		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—		—	—	
BLOWER	—	↓	—	—	

	INLET	OUTLET
GAC #1 (PSI)	9	8
GAC #2 (PSI)	10	13
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.8	
Air Temp (°F)	58°	58°
Water Temp (°F)		18°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	5.32	
Reactor Tank 2	5.09	
AS. Feed	6.60	
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: P. [illegible] Date 8-5-10

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

OPERATOR: J Jackson

DATE: 8-04-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • The Plant is Running Fine	
2)	
3) • the daily operatures Log is Completed	
4)	
5) • Train #1 & 2 Sand Filter were surged - both	
6) Trains went down 4"	
7)	
8) • Trash Picked up next to Fench	
9)	
10) • Train #1 & 2 surged again	
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. [illegible] 8-5-10

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

DATE: 8-04-10

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

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

Process Tanks	Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION	✓	✓	RUST SPOTS
TREATED WATER	✓	✓	RUST SPOTS
REACTORS	✓	✓	OK
CLARIFIERS	✓	✓	OK
SAND FILTERS	✓	✓	TRAIN #1 & 2 SLUDGED
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 IN SERVICE
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. Rikel DATE: 8-5-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

WED

DATE: 8-04-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P.Tak	720	OEM	1550	
JAMES S. JACKSON	Jackson	0516	CPS	0716	Home - Forgot my medicine
	Jackson	0915	CPS	1340	Home
RICHARD C. CRONCE					
		1205			

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: 08-05-10

Weather Forecast (am): Cloudy, hot, and humid. Temperatures should range from 77-93-73°F. Wind will be 8-18-14 mph from the SSW-WSW. Relative humidity is 90>65%. Thunderstorm activity is expected in the afternoon.

Total Volume Discharged for Day: 565,679 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:
Overhead door #2 (SW) failed to open. Mechanical and electrical tests were run. Auto-system remains inoperative.
Air sparged risers on settling filters twice
Mowed grass on slope
Handle for riser cleaning brush was fabricated.

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 391 gpm out. Average plant discharge flow for the day was 393 gpm

Overhead door failed to open. System receives power but is in overload condition. Both Open and Close positions on control switch are receiving power through a back loop. This needs to be checked up at the motor control box.

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

Plant Manager Signature: Peter Takach, August 6, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: JJACKSON Day: Thursday Date: 8-05-10 Time: 0517

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
291	0	76196

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	316733	170010					62490
EW-2	954674	160640					56232
EW-3	230779	188580					60588

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.9	96	3255035	PLANTS RUNNING FINE
IW-2	160.1	91	2936323	NOW, DARK IN THE MORNING
IW-3	155.2	111	2929759	
IW-4	154.4	80	2681174	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	73456	NM	3	7	
INF 2	72365		3	13	
INF 3	27549		SB	SB	STAND-BY
ASF 1	40514		1	33	
ASF 2	48362		0	30	
ASF 3	41651		SB	SB	
GAC 1	43815		3	16	
GAC 2	47431		2	15	
GAC 3	3252		SB	SB	
REC 1	21933		OFF	OFF	
REC 2	20140		OFF	OFF	
INJ 1	63847		6	27	
INJ 2	37799		6	27	
INJ 3	—		NIS	NIS	
SUMP	—		—	—	
BLOWER	—	✓	—	—	

	INLET	OUTLET
GAC #1 (PSI)	9	8
GAC #2 (PSI)	10	12
AIR DRIER (PSI)	02	01

AS Blower (H_2O")	4.8	
Air Temp (°F)	58°	58°
Water Temp (°F)		18°C
V-GAC #1 (H_2O")	2.45	0.45
V-GAC #2 (H_2O")	01	02

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.31	
Reactor Tank 2	5.13	
AS. Feed	5.94	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

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

Additional comments:

NM = Not Measured
OL = Off Line
SB = Standby

NIS = Not in service

Supervisors Signature: P. Reed Date 8-6-10

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

OPERATOR: J. JACKSON DATE: 8-05-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• the Daily Operators Log Has Completed	
2)		
3)	• TRAIN #1 & 2 SAND FILTERS WERE Backed	
4)		
5)	• OVERHEAD DOOR #2 IS NOT WORKING - DO HAVE	
6)	POWER TO CONTROL BOX ON WALL	
7)	A) TOOL VOLTAGE READING	
8)	B) REMOVE SWITCH BOX COVER	
9)	C) PUSH RESET BUTTON	
10)	D) PANEL HAS	
11)	• DOOR DID NOT WORK JUICE	

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• Grass on Hill was cut	
2)		
3)	• UPS on site to drop off 4" drain cleaner	
4)		
5)	• Fabricated a Handle for 4" drain Brush	
6)	Shipping Handle too small	
7)		
8)		
9)		
10)		
11)		

	IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)	

8-6-10

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

DATE: 8-05-10

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

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

Process Tanks	Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION	✓	✓	RUST SPOTS
TREATED WATER	✓	✓	RUST SPOTS
REACTORS	✓	✓	OK
CLARIFIERS	✓	✓	OK
SAND FILTERS	✓	✓	SURGED this MORNING
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	
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: 8-6-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

Thrus

DATE: 8-05-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	715	O&M	1555	
JAMES S. JACKSON	J. Jackson	0516	CPS	1342	Home
RICHARD C. CRONCE		PEI			

Doc. No.: CPS-Form-011
March 3, 2009

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: 08-06-10

Weather Forecast (am): Sunny, hot, and humid. Temperatures are to range from 80-88-66°F. Winds are from the WNW at 5-14-12 mph. Relative humidity at 35-40% with no rain expected.
Saturday –Sunny, temps at 68-81-67°F, wind at 10 from west, RH at 45%, no rain.
Sunday – Mostly sunny, temps at 69-83-71°F, wind at 12 from SW, RH at 60%, no rain.

Total Volume Processed for 3-day period (8/6 thru 8/9): 1,679,222 gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
None

Corrective Maintenance Performed:
Continued cleaning risers on settling tanks
Continued with electrical tests on inoperable overhead door
Cleaned pH electrodes at reaction tanks

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 370 gpm, effluent water is at 390 gpm.

The overhead door remains a problem and a service call will have to be scheduled.

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

Plant Manager Signature: Peter Takach, August 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

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

Operator: J JACKSON Day: FRIDAY Date: 8-06-10 Time: 0615

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
361	0	20252

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	316896	169230					62506
EW-2	254851	180410					56247
EW-3	230964	188020					40603

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.9	91	3268792	DARK IN THE MORNING NOW
IW-2	151.4	91	2951456	PLANT IS RUNNING FINE
IW-3	155.2	111	2945824	
IW-4	154.6	81	2692790	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73479	NM	3	7	
INF 2	72366		3	13	
INF 3	27549		SB	SB	STAND-BY
ASF 1	40538		2	33	
ASF 2	48365		1	31	
ASF 3	41651		SB	SB	STAND-BY
GAC 1	43638		2	16	
GAC 2	47485		2	15	
GAC 3	32552		SB	SB	STAND-BY
REC 1	21933		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	43871		6	27	
INJ 2	37822		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—		—	—	
BLOWER	—	↓	—	—	

	INLET	OUTLET
GAC #1 (PSI)	9	8
GAC #2 (PSI)	10	11
AIR DRIER (PSI)	61	61

AS Blower (H_2O")	4.7	
Air Temp (°F)	56°	56°
Water Temp (°F)		18°C
V-GAC #1 (H_2O")	2.45	0.45
V-GAC #2 (H_2O")	01	01

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.31	
Reactor Tank 2	4.91	
AS. Feed	6.00	
PLANT DISCHARGE - **pH**		
PLANT DISCHARGE - **Temp.**		

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

Additional comments:

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

Supervisors Signature: P. Wheel Date 8-9-10

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

OPERATOR: J JACKSON DATE: 8-06-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)		
2)	• PLANT SEEMS TO RUNNING WELL	
3)		
4)	• the Daily operators Log completed	
5)		
6)	• TRAIN # 1 & 2 NOZZELS WERE Brushed OUT	
7)		
8)	• TRAIN # 1 & 2 NOZZLES WERE SURGED	
9)		
10)	• PAPERWORK IS BEING DONE.	
11)		

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• RECIEVED Call FROM JANET DAVIS FOR	
2)	INSURANCE Claim #: 683351 890	
3)		
4)		
5)		
6)		
7)		
8)		
9)		
10)		
11)		

	IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)	

8-9-10

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

DATE: 8-6-10

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	✓	✓	Rust Spots
TREATED WATER	✓	✓	Rust Spots
REACTORS	✓	✓	OK
CLARIFIERS	✓	✓	OK
SAND FILTERS	✓	✓	Surged \ brushed
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
SHARP EDGES	NONE
PINCH POINTS	NONE
OTHER HAZARDS	NONE

Air Compressor

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

Air Stripper

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

Notes and Comments:

SIGNED: _____ DATE: 8-9-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

[e]

DATE: 8-06-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	720	OPS	1200	—
JAMES S. JACKSON	J Jackson	0512	OPS	1340	Home
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: Monday
Date: 08-09-10

Weather Forecast (am): Hot, hazy, and humid. Temperatures are to range from 75-93-73°F. Wind is 6-15-10 mph from the SW. Relative humidity is 50-65% with a slight chance of rain in afternoon.

Total Volume Processed for Day: 562,736 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:
Landscaping tasks
Rotated process pumps from 1&2 to 1&3
Sparged and brushed settling tank risers
Replaced HP bulbs in ceiling
AS blower belts tightened and motor shaft greased

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

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

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

Available Analytical Results:
No new data was available.

Calibration Procedures Performed:
The lab pH meter was calibrated and logged in
The lab PID meter was calibrated and logged in

General Remarks:

The plant operation has continued in a stable condition. Plant influent flows are at 372 gpm. The average plant discharge for the day was 391 gpm. The Injection wells levels are steady.

James Jackson and Peter Takach were on-site.

Plant Manager Signature: Peter Takach, August 10, 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: Q. Jackson Day: MONDAY Date: 8-09-10 Time: 052)

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
165	165	320

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
359	0	712421

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	317407	169230	168710	163600	169230		62553
EW-2	253395	180940	180400	174730	180410		56295
EW-3.	231533	187496	187370	181900	188020		60651

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.9	96	3309858	SOUND MORNING, TEMP 70°
IW-2	151.6	92	2990730	PLANT RUNNING FINE
IW-3	155.2	111	2993779	
IW-4	154.9	80	2727381	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	73550	MM	1	6	
INF 2	72458		2	12	
INF 3	27549		SB	SB	STAND-BY
ASF 1	40608		1	32	
ASF 2	48654		1	30	
ASF 3	41651		SB	SB	STAND-BY
GAC 1	43908		2	16	
GAC 2	47525		2	15	
GAC 3	32552		SB	SB	STAND-BY
REC 1	21933		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	63941		6	27	
INJ 2	37892		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")	4.7	
Air Temp (°F)	570	570
Water Temp (°F)		17°C
V-GAC #1 (H_2O")	2.45	0.45
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY	
Reactor Tank 1	5.30	5.89	16°C
Reactor Tank 2	5.23	596	16°C
AS. Feed	6.61	594	16°C
PLANT DISCHARGE - pH		6.36	
PLANT DISCHARGE - Temp.		18°C	

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

Additional comments:
AIR STRIPPER BELTS TIGHTENED &
MOTOR SHAFT GREASED

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

Supervisors Signature: Peter Okal Date 8-10-10

CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: JAMES JACKSON DATE: 8-09-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • SOUPY MORNING, TEMP ALREADY @ 78°	
2)	
3) • the WEEKLY TEMP & PH DONE	
4)	
5) • PID was Calibrated, AIR MONITORING Completed	
6)	
7) • TRAIN #1 & 2 SAND FILTER WERE brushed INSIDE	
8) & OUTSIDE OF NOZZLES	
9)	
10) • TWO Light bulbs WERE REPLACED @ RE-	
11) ACTED TANK #2 SECTION	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) AD Blower	
2) • BELTS WERE tighten ON AIR STRIPPER Motor	
3) Blower	
4) • AIR STRIPPER SHAFT MOTOR WAS Greased	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

8-10-10

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

DATE: 8-09-10

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				
POTASSIUM PERMANGANATE				IN
HYDROCHLORIC ACID				SERVICE

Process Tanks		Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION		✓	✓	OK - Rust Spots
TREATED WATER		✓	✓	OK - Rust Spots
REACTORS		✓	✓	OK
CLARIFIERS		✓	✓	OK
SAND FILTERS		✓	✓	OK - Brushed & Surged
CARBON VESSELS (liq)		✓	✓	OK

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		Rotated To #1 & 3
SLUDGE SETTLER	✓	✓		OK
RECYCLE	✓	✓		OK
AIR STRIPPER FEED	✓	✓		Rotated To 1 & 3
CARBON FEED	✓	✓		Rotated To 1 & 3
INJECTION	✓	✓		OK

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

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

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

Notes and Comments:

SIGNED: P. Pinkel DATE: 8-10-10

AIR MONITORING LOG
CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler J Jackson Date 8/09/10

Calibration Standard(s) 160PPM \ ISOBUTENE

Post-cal Readings 63.3 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	00
	#1 Effluent	0.0
	#2 Influent	OL
	#2 Effluent	OL

Comments:

PCP

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: 8-09-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	725	QM	1500	
JAMES S. JACKSON	J Jackson	0513	QPS	B40	HOME
RICHARD C. CRONCE	RC				

DAILY QUALITY CONTROL REPORT

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

Day: Tuesday
Date: 08-10-10

Weather Forecast (am): Overcast, hot, and humid. Temperatures are expected to range from 75-88-74°F. Wind will be 3-9 mph from the WSW-S. Relative humidity is 75-80% with scattered showers expected with T-storms in late afternoon.

Total Volume Processed for Day: 543,210 gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
Testing of electric power runs required reducing influent flow resulting in reduced plant discharge.

Corrective Maintenance Performed:
Landscaping tasks
Sparged and brushed risers on sandfilters

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

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

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

Available Analytical Results:
No new data available.

Calibration Procedures Performed:
No calibrations required

General Remarks:
Plant continues to run in a steady fashion.

Brian Hibshman was up to work on tasks required to complete the installation of the third injection pump, fix the wiring problems with the polymer mixers, and various other electrical needs.

Paul Lanzillotta of Wire to Water was in to look at Brian's jobs.

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

Plant Manager Signature: Peter Takach Peter Takach, August 11, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: J. JACKSON Day: TUESDAY Date: 8-10-10 Time: 0522

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
390	0	26477

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	317541	166500					62569
EW-2	255562	177890					56311
EW-3.	231768	184920					60667

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.9	96	3323686	PLANT IS RUNNING FINE
IW-2	152.3	90	3003923	
IW-3	155.3	111	3009908	
IW-4	155.2	80	2738966	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	73573	NM	2	7	
INF 2	72465		SB	SB	STAND-BY
INF 3	27566		3	13	
ASF 1	40631		-0	33	
ASF 2	48462		SB	SB	STAND-BY
ASF 3	41666		0	32	
GAC 1	43932		4	17	
GAC 2	47532		SB	SB	STAND-BY
GAC 3	32569		4	17	
REC 1	21933		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	63965		6	27	
INJ 2	37916		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")	4.8	
Air Temp (°F)	57°	57°
Water Temp (°F)		18°C
V-GAC #1 (H_2O")	2.45	0.45
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.30	
Reactor Tank 2	5.09	
AS. Feed	6.02	
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:
- TRAIN #1 & 2 NOZZLES WERE BRUSHED & SURGED

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

Supervisors Signature: P. Ackel Date 8-11-10

CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: JJACKSON DATE: 8-10-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • The Daily operators	Log Completed
2)	
3) • the Sand Filters Nozzles were Brushed Swept	
4)	
5) • Brian Hibshman P.E. of APTUS Control Systems	
6) ON SITE	
7)	
8) • Start Air Compressor Procedure	
9)	
10)	
11)	

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

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter Jackson 8-11-10

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

DATE: 8-10-11

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 IN SERVICE			SYSTEM HOLDS WATER
CAUSTIC				" " "
POTASSIUM PERMANGANATE				LEAK AT BLANKED FLANGE
HYDROCHLORIC ACID				SYSTEM HOLDS WATER

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
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	CONDENSATION 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	OK

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

Notes and Comments:

SIGNED: _____ **DATE:** 8-10-11

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: 8-20-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	730	OPS	1620	
JAMES S. JACKSON	J. Jackson	0520	OPS	1340	Home
RICHARD C. CRONCE					
Brian Hibbard		0507	Controls	16:20	Hotel
		PLN			

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: Wednesday
Date: 08-11-10

Weather Forecast (am): Hazy, hot, and humid. Temperatures are to range from 78-88-71°F. Wind will be at 6-10 from the NNE-E. Relative humidity is 55-60% with no rain expected.

Total Gallons Processed for the day: 515,730 gallons

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

Reason for Downtime:
No downtime to report although flows into and out of the plant were reduced to access the MCC injection pump units

Significant Operational Problems:
None

Corrective Maintenance Performed:
Cleaned pH electrodes at reaction tanks
BH determined that the low voltage transformer is the problem with the overhead door

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 to DESA
Plant Discharge pH and temperature readings were recorded

Available Analytical Results:
No new data available.

Calibration Procedures Performed:
Lab pH meter was calibrated

General Remarks:

The plant has been running well at current flow levels. The average discharge from the plant was 358 gpm for the day.

Brian Hibshman (BH) was up to work on electronic projects and to meet with potential electrical contractors. Popkin Electric and Nutron Inc. were in to look at the proposed work.

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

Plant Manager Signature: Peter Takach Peter Takach, August 12, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

Operator: TAKACH Day: WEDNESDAY Date: 8-11-10 Time: 7:30

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
164	165	329

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
363	NM	205360 740

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	317723	162160	\	\	\	\	62585
EW-2	255737	173540					56326
EW-3	231891	180250					60682

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.2	88.4	33378447	
IW-2	151.7	89.5	30173920	
IW-3	154.9	103.7	35263847	
IW-4	153.5	77.2	27512536	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	73599	NM	2.5	9.0	
INF 2	72465	\	OL	—	
INF 3	27592	\	2.5	13	
ASF 1	40657	\	0	31	
ASF 2	48462	\	OL	—	
ASF 3	41644	\	0	30	
GAC 1	43957	\	0.5	16.5	
GAC 2	47532	\	OL	—	
GAC 3	32594	\	1	17	
REC 1	21933	\	SB	—	
REC 2	20740	\	SB	—	
INJ 1	~~63889~~	63989	4	24	
INJ 2	37941	\	6	24	
INJ 3	NIS	\	NIS	—	
SUMP	\	\	\	\	
BLOWER	\	\	\	\	

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

AS Blower (H_2O")	4.5	—
Air Temp (°F)	58	58
Water Temp (°F)	—	66
V-GAC #1 (H_2O")	2.5	0.7
V-GAC #2 (H_2O")	OL	—

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.34	
Reactor Tank 2	5.34	
AS. Feed	6.03	
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	13.5	

Additional comments:

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

Supervisors Signature: P. Takach 8-12-10 Date

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

DATE: 8-11-10

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

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
POLYMER	NOT IN SERVICE			HOLDS WATER
CAUSTIC	✓	✓	✓	HOLDS WATER
POTASSIUM PERMANGANATE	✓	✓	✓	LEAK AT BLOCKED FLANGE
HYDROCHLORIC ACID	✓	✓		HOLDS WATER

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
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

loor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	CONDENSATION
SHARP EDGES	✓ OK
PINCH POINTS	✓ OK
OTHER HAZARDS	✓ OK

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

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

tes and Comments:

INED: P. Rudd 8-12-10 DATE: _____

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: WED 8-11-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	[signature]	7:30	O&M	1320	
JAMES S. JACKSON					
RICHARD C. CRONCE					
Brian Hibshman	[signature]	7:30	Controls	12:00	
		[initials]			

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: 08-12-10

Weather Forecast (am): Hazy, hot, and humid. Temperatures are to range 72-81-67°F. Wind is from the ENE-ESE at 9-14-12 mph. Relative humidity is 60-65% with a chance of precipitation in the afternoon.

Total Gallons Processed for day: 561,169 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:
Worked on overhead door wiring
Cleaned electrodes at reaction tank

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

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

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

Available Analytical Results:
No new data is available.

Calibration Procedures Performed:
No calibrations required

General Remarks:
Plant flows stabilized after yesterday's testing. The treatment plant ran without problems through out the period. Plant flows remain high as do injection well levels. Plant influent flow averaged 370 gpm and effluent flow at 390 gpm.

Tasks needed for Brian Hibshman's scope of work proposal were completed. It was decided that while wiring the third injection pump, the local knife switch pump shutoffs would be moved to allow better access to the pumps. At this time the redundant e-stops would be eliminated.

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

Plant Manager Signature: Peter Takach Peter Takach, August 13, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: J. JACKSON Day: THRUSDAY Date: 8-12-10 Time: 0532

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
180	180	360

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
392	0	20583

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	317676	155790					62899
EW-2	255896	166720					56340
EW-3	232057	173430					60696

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	1586	97	3349445	AIR STRIPPER MOTOR #3 IS NOISEY
IW-2	153.41	92	3028188	PLANT RUNNING FINE
IW-3	1552	111	3039517	
IW-4	1553	80	2761482	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	73620	NM	3	7	
INF 2	72465		SB	SB	STAND-BY
INF 3	27613		3	13	
ASF 1	40678		0	33	
ASF 2	08862		SB	SB	STAND-BY
ASF 3	41715		0	30	
GAC 1	43978		4	17	
GAC 2	47532		SB	SB	STAND-BY
GAC 3	32616		4	19	
REC 1	21933		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	64005		6	27	
INJ 2	37963		8	27	
INJ 3	-		NIS	NIS	NOT IN SERVICE
SUMP	-	V	-	-	
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)	58°	58°
Water Temp (°F)		17°
V-GAC #1 (H_2O")	7.45	0.40
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.25	
Reactor Tank 2	5.09	
AS. Feed	6.03	
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: D. Rickel Date 8-13-10

CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J JACKSON

DATE: 8/12/10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• PLANT IS RUNNING FINE	
2)		
3)	• the Daily operators Log is DONE	
4)		
5)	• ACTIVITY FOR ME IS Limited DUE TO BACK	
6)	Problems.	
7)		
8)	• Working the air compressor maintenance	
9)	MANUAL Papers.	
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)

[signature] 8-13-10

Doc No.: CPS-Form-007

March 3, 2008
Rev. B

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

DATE: 8/12/10

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

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
POLYMER	-	-	-	N/A
CAUSTIC	-	-	-	
POTASSIUM PERMANGANATE	-	-	-	IN
HYDROCHLORIC ACID	-	-	-	SERVICE

Process Tanks		Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION		✓	✓	RUST SPOTS
TREATED WATER		✓	✓	RUST SPOTS
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	✓	✓	✓	#2 MOTOR IS NOISEY
AIR STRIPPER FEED	✓	✓	✓	#2 AIR STRIPPER NOISY
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	WATER 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	WORKED ON MAINTENANCE MANUAL

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

Notes and Comments:

SIGNED: [signature]

DATE: 8-13-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

Thrus

DATE: 8-12-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	720	OPS	1545	
JAMES S. JACKSON	J. Jackson	0526	OPS	BUD	HOME
RICHARD C. CRONCE	RCV				

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: 08-13-10

Weather Forecast
Fri.: Raining and cooler. Temperatures are to range from 68-80-65°F. Wind from ENE-east at 12-14-12 mph. Relative humidity is 85>>45% with clearing and sun by mid-morning.
Sat.: Sunny with temps at 66-79-67°F and wind at 13 mph from ESE, RH 55-70%, no ppt.
Sun.: Rain/sun with temps at 69-80-65°F, wind at 14-12 mph from E, RH 55-65%, early rain clearing by mid-morning.

Gallons Processed for the Period (8/13-8/16)**:** 1,687,266 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:
Cleaned electrodes at reaction tank
Installed barrier around sink-hole at IW-4
Cleaned up shop

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

Inspections Performed and Results:
Daily site safety inspection performed – no new issues observed.
Well-field inspected – exposed hole at IW-4
Comprehensive site inspections completed

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 operation has been very stable. Influent and effluent flows have been steady at 370 gpm in and 390 gpm out. Injection well levels are high but also steady.

Various document tasks are underway including compiling equipment maintenance histories

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

Plant Manager Signature: Peter Takach, August 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: FRIDAY Date: 8-13-10 Time: 0538

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
390	0	20640

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	318044	161430					626116
EW-2	256075	172570					563558
EW-3	232246	179630					607114

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	160.9	96	3363460	Light Rain this Morning, Temp
IW-2	150.1	91	3041348	@ 73°
IW-3	155.1	110	3655558	
IW-4	155.0	81	2773058	Air Stripper Motor #2 Noisey

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73244	NM	3	7	
INF 2	72165		SB	SB	STAND-BY
INF 3	27637		3	13	
ASF 1	40702		0	33	
ASF 2	48462		SB	SB	STAND-BY
ASF 3	41789		0	31	
GAC 1	44002		4	17	
GAC 2	47532		SB	SB	STAND-BY
GAC 3	32640		4	17	
REC 1	21933		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	64025		6	27	
INJ 2	379886		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP		↓			
BLOWER					

	INLET	OUTLET
GAC #1 (PSI)	10	0
GAC #2 (PSI)	12	12
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.7	
Air Temp (°F)	570	570
Water Temp (°F)		170
V-GAC #1 (H_2O")	2.13	0.20
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.29	
Reactor Tank 2	4.96	
AS. Feed	6.62	
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: Peter Uhal Date 8-16-10

CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J JACKSON DATE: 8-13-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • SOME LIGHT RAIN this MORNING	
2)	
3) • PLANT IS RUNNING FINE	
4)	
5) • the Daily operations Log Completed	
6)	
7) • Much WORK ON OPERATIONS MANUAL	
8) A) WORKED ON - AIR COMPRESSOR MAINTENANCE	
9) B) ANNUAL CLAREMONT MAINTENANCE Record	
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. Pitchford 8-16-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

E421

DATE: 8-13-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	7:5	O&M	1546	
JAMES S. JACKSON	J. Jackson	0534	O&S	1350	Home
RICHARD C. CRONCE					

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

Day: Monday
Date: 08-16-10

Weather Forecast (am): Wet, hot, and humid. Temperatures are to range from 74-84-73°F. Wind is 9-16-13 mph from the SSW. Relative humidity is 80-90% with scattered showers expected.

Total Gallons Processed for Day: 571,986 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
Continued with indoor and outdoor clean up

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

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

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

Available Analytical Results:
No new data available

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

General Remarks:
Plant flows into and out of the plant have been stable. The plant discharge averaged 397 gpm for the period while the influent was 370 gpm. The injection well levels have been steadily rising.

Base-lining the plant operation and completing documentation continues.

James Jackson and Peter Takach were on-site.

Plant Manager Signature: Peter Takach August 17, 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: 8-16-10 Time: 0527

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
351	0	208608

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	318541	169820	169680	169180	161430		62662
EW-2	256605	181260	181150	180770	172870		51403
EW-3	232804	168620	168460	168070	179630		60760

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	161.4	97	3465124	LIGHT RAIN this MORNING
IW-2	154.2	92	3685536	PLANT IS RUNNING FINE
IW-3	155.2	114	3103356	
IW-4	155.7	79	2807420	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	73714	NM	1	7	
INF 2	72465		SB	SB	STAND-BY
INF 3	60760		2	13	
ASF 1	40772		0	34	
ASF 2	118462		SB	SB	STAND-BY
ASF 3	41809		0	31	
GAC 1	44672		4	17	
GAC 2	47532		SB	SB	STAND-BY
GAC 3	32710		4	19	
REC 1	21933		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	64096		6	27	
INJ 2	39057		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—		—	—	
BLOWER	—		—	—	

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	12	14
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	41.7	
Air Temp (°F)	570	570
Water Temp (°F)		17°C
V-GAC #1 (H_2O")	2.15	0.45
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.30	594 | 16°C
Reactor Tank 2	4.96	595 | 15°C
AS. Feed	6.69	626 | 15°C
PLANT DISCHARGE - pH		6.42
PLANT DISCHARGE - Temp.		18°C

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

Additional comments:

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

Supervisors Signature: Peter Okal Date 8-17-10

CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J JACKSON DATE: 8-16-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• Partial Rain this morning - Temp will reach	
2)	the 90's today	
3)		
4)	• the Plant is Running Fine	
5)		
6)	• Plant PH's & Temps were done	
7)		
8)	• Plant Air Monitoring was done	
9)		
10)	• PID was Calibrated	
11)		

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• Time invested in ~~Tube Water~~, that has to be done	
2)	Paper work	
3)		
4)		
5)		
6)		
7)		
8)		
9)		
10)		
11)		

	IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)	

Peter Patel 8-17-10

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

DATE: 8-16-10

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

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

Process Tanks	Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION	✓	✓	RUST SPOTS
TREATED WATER	✓	✓	Rust spots
REACTORS	✓	✓	
CLARIFIERS	✓	✓	
SAND-FILTERS	✓	✓	
CARBON VESSELS (liq)	✓	✓	

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

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

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

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

Notes and Comments:

SIGNED: _____ DATE: 8-17-10

AIR MONITORING LOG
CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler J. JACKSON Date 8-16-16

Calibration Standard(s) 100 PPM \ ISOBUTYLENE

Post-cal Readings 957 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: NO AIR ISSUES INSIDE & OUT SIDE PLANT
GAC, INFLUENT & EFFLUENT IS FINE

Pat

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

Plant Manager Signature: Peter Takach, August 18, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: J JACKSON Day: TUESday Date: 8-17-10 Time: 0535

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	20865

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	318710	166390					62680
EW-2	256785	177440					56421
EW-3	232989	154730					60777

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	161.9	95	3419079	PLANT CONTINUES TO RUN NICELY
IW-2	164.2	91	3093764	AIR STRIPPER MOTOR #2 IS AUDIBLY
IW-3	155.2	110	3119455	
IW-4	155.6	80	2818929	FORECAST: Possible Thunderstorms Temp IN THE 80°s

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	73738	NM	3	7	
INF 2	72465		SB	SB	STAND-BY
INF 3	27730		3	13	
ASF 1	40796		0	34	
ASF 2	45462		SB	SB	STAND-BY
ASF 3	41833		0	32	
GAC 1	44096		4	17	
GAC 2	47532		SB	SB	STAND-BY
GAC 3	32733		4	18	
REC 1	21933		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	44122		6	27	
INJ 2	38080		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—		—	—	
BLOWER	—		—	—	

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

AS Blower (H_2O")	4.6	
Air Temp (°F)	570	570
Water Temp (°F)		17°C
V-GAC #1 (H_2O")	2.15	0.45
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.34	
Reactor Tank 2	5.33	
AS. Feed	6.10	
PLANT DISCHARGE - **pH**		
PLANT DISCHARGE - **Temp.**		

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

Additional comments:
Call MADE TO RED CROSS FOR CPR/AED TRAINING FOR 8-25-10

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

Supervisors Signature: P. Ukal Date 8-18-10

CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J. Jackson DATE: 8-17-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • the Daily operators log was completed	
2)	
3) • Finishing up important paper work	
4)	
5) • Air Stripper stack heater box was sanded	
6)	
7) • Air stripper was painted along with supports	
8)	
9)	
10)	
11)	

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

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter Vakal 8-18-10

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

DATE: 8-17-10

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				
POTASSIUM PERMANGANATE				IN
HYDROCHLORIC ACID				SERVICE

Process Tanks	Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION	✓	✓	RUST SPOTS
TREATED WATER	✓	✓	Rust spots
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 Everywhere
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:

• Pump Rotated Today

SIGNED: [signature]

DATE: 8-18-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

TUESDAY

DATE: 8-17-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	700	OPS	1500	
JAMES S. JACKSON	JJackson	0535	CPS	1355	HOME
RICHARD C. CRONCE	RCJ				

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: Wednesday
Date: 08-18-10

Weather Forecast (am): Mostly cloudy, hot, and humid. Temperatures are to range from 74-79-68°F. Wind is expected from the ENE-SE at 6-8-5 mph. Relative humidity is 65-80% with a chance of rain late in the afternoon.

Total Gallons Processed for day: 561,169 gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
none

Corrective Maintenance Performed:
Completed painting AS heat duct
Landscaping tasks

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:
Plant sound level monitoring was completed. High noise levels were recorded at the Air Stripper Feed Pump Station. Pumps 2 & 3 were operating.

Available Analytical Results:
No new data available.

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

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 389 gpm for the day.

Continue to clean up plant and paint equipment.

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

Plant Manager Signature: Peter Takach, August 19, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: J Jackson Day: Wednesday Date: 8-18-10 Time: 0539

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	20921

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	318877	166820					62694
EW-2	256962	177430					56485
EW-3	233175	189730					60791

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	1620	96	3432912	Cloudy & Rain Possible Today With
IW-2	1545	91	3106882	highs in the 80's
IW-3	1552	111	3135435	
IW-4	1558	81	2830333	PLANT IS RUNNING WELL

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73742	NM	SB	SB	STAND-BY
INF 2	72481		3	10	
INF 3	27754		3	8	
ASF 1	40800		SB	SB	STAND-BY
ASF 2	48181		0	31	
ASF 3	41856		0	32	
GAC 1	44100		SB	SB	STAND-BY
GAC 2	47551		2	15	
GAC 3	32757		3	18	
REC 1	21933		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	64145		6	27	
INJ 2	38181		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")	4.7	
Air Temp (°F)	57°	57°
Water Temp (°F)		17°C
V-GAC #1 (H_2O")	2.45	0.45
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.33	
Reactor Tank 2	5.41	
AS. Feed	6.16	
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:

NM = Not Measured
OL = Off Line
SB = Standby

NIS = Not in service

Supervisors Signature: Peter Okeke Date 8-19-10

CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J Jackson DATE: 8/18/10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • The Daily Operator Log has been	
2)	
3) • the Air Stripper Heater Box was Finished	
4) being Painted - Flat White	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

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

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Patrick Clark 8-18-10

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

DATE: 8-16-10

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

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
POLYMER				NOT
CAUSTIC				
POTASSIUM PERMANGANATE				NO
HYDROCHLORIC ACID				SERVICE

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

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

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	MUCH 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: P. Pakala DATE: 8-19-10

Operations and Maintenance Document

SOUND MONITORING WORK SHEET

Day	WEDNESDAY
Date	8-18-10
Instrument ID	GREENLEE 93-20 #310
Battery Check	OK
Calibration Check	OK
Inspector	TAKACH

Area	Reading (dB)	Conditions
Office	60	SCREEN DOORS OPEN
HVAC Mezzanine	NM	
Clarifier Mezzanine	74-80	
Injection Pumps (at motors)	78-80	
AS Feed Pumps (at Motors)	94-96	PUMPS 2&3 ~~[illegible]~~ SENZ
Air Compressor Station	—	UNIT OFF
Air Stripper Tower Area	68-72	
AST Blower	86-90	
Paved Area	62-64	<60 AWAY FROM BLOWER
Shop	74-78	
NORTH SIDE - OUTDOOR	56-58	

Comments and Observations:

ASF PUMP 2, 3 COMBINATION SEEMS TO GENERATE A LOT OF NOISE.

NM - Not Measured

Document No.:	Date of Issue:	Revision Level:
CPS-Form-015	July 9, 2010	F

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

WEDNESDAY

DATE: 8-18-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	720	OPS	1530	
JAMES S. JACKSON	J. Jackson	0534	CPS	1340	HOME
RICHARD C. CRONCE		RC			

DAILY QUALITY CONTROL REPORT

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

Day: Thursday
Date: 08-19-10

Weather Forecast (am): Mostly sunny, cooler and dry. Temperatures are to range from 70-85-70°F. Wind to be 3-11 mph from the NNW. RH is 50-60%. No precipitation is expected.

Total Gallons Processed for period (8/19-8/23): 2,238,057 gallons

Plant Operating Hours: 96:00 hrs. **Plant Total Downtime**: 0:00 hrs.

Reason for Downtime:
No downtime to report

Significant Operational Problems:
None

Corrective Maintenance Performed:
Continued painting process equipment
Cleaned pH electrodes on reaction tanks
Landscaping tasks

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:
Recorded DTW readings and well soundings in the injection wells

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 370 gpm and the plant effluent flow has averaged 389 gpm.

End of the month documentation and tasks are underway.

James Jackson and Peter Takach were on-site.

Plant Manager Signature: Peter Takach, August 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: Thrusday Date: 8-19-10 Time: 0520

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
185	184	369

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
369	0	20977

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	319040	169230					62710
EW-2	257136	1806910					56151
EW-3	233357	1586010					60807

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	161.9	97	3446748	Partly cloudy AND PLEASANT,
IW-2	154.3	03	3120003	Today MAY Reach the 80's
IW-3	155.3	11	3151421	
IW-4	156.3	78	2841701	PLANT is RUNNING WELL

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73742	NM	SB	SB	STAND-BY
INF 2	72508		2	12	
INF 3	27777		3	9	
ASF 1	40800		SB	SB	STAND-BY
ASF 2	46505		0	32	
ASF 3	41560		0	30	
GAC 1	44100		SB	SB	STAND-BY
GAC 2	47521		3	15	
GAC 3	32780		4	16	
REC 1	21933		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	64169		7	27	
INJ 2	38127		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—				
BLOWER	—	V			

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	14	13
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.6	
Air Temp (°F)	57.0	57.0
Water Temp (°F)		17°C
V-GAC #1 (H_2O")	2.45	0.40
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.32	
Reactor Tank 2	5.15	
AS. Feed	6.09	
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:
Monthly WELL SOUNDING Completed
① 5.78 | 146.95 ② 9.51 | 24170 | ③ 5.21 | 249 ④ 10.20 | 198.60

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

Supervisors Signature: [signature] Date 8-23-10

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

OPERATOR: J JACKSON DATE: 8/19/10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• this Morning it is Cloudy and Pleasant, that	
2)	will Change Later. Temp is expected to reach	
3)	the Low 90's	
4)		
5)	• The Plant Had no Alarms this Morning,	
6)	Just the Consistent Noise of the Air Stripper	
7)	Motor #2	
8)		
9)	• the operators Log was Completed	
10)		
11)	• Completed the Well Sounding of the Injection	

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	Wells - IW-1 \ IW-2 \ IW-3 \ and IW-4	
2)		
3)	• Variable Speed Drives Supports were Primed	
4)		
5)	• Vapor Phase Header Supports were Painted	
6)		
7)		
8)		
9)		
10)		
11)		

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter [signature] 8-23-10

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

DATE: 8-19-10

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

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

Process Tanks		Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION		✓	✓	RUST SPOTS
TREATED WATER		✓	✓	RUST SPOTS
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
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	Variable Speed Drive Support Painted
CARBON VESSELS	OK

Notes and Comments:

VAPOR PHASE HEADER SUPPORT - PAINTED

SIGNED: _____ DATE: 8-23-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

(Thurs)

DATE: 8-19-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	720	OPS	940	Personal
		1040	OPS	1610	
JAMES S. JACKSON	J Jackson	0517	OPS	1340	Home
RICHARD C. CRONCE					
	PET				

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: 08-20-10

Weather Forecast (am): Fri: Sunny, 71-88-66^{O}F, wind 11-12 mph from NW, 50-60% RH, no rain expected.
Sat: Sunny, 67-80-68^{O}F, wind 9-5 mph from SSE, 50-70% RH, no rain expected
Sun: Cloudy, 70-80-71^{O}F, wind 11-7 from SE, 65-70 RH, possible T-storms.

Total Gallons Processed for the period: Treatment plant was closed

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

Reason for Downtime:
No downtime to report

Significant Operational Problems:
None

Corrective Maintenance Performed:
None

Verbal/Written Instruction from Government Personnel:
No new communications

Inspections Performed and Results:
None

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 365 gpm and plant effluent flows are holding at 388gpm.

No one was on site over this extended weekend.

Plant Manager Signature: Peter Takach, August 23, 2010

Attachments:

None

cc: SAIC Program Manager
USACE Project Manager
File

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: 08-23-10

Weather Forecast (am): Cloudy, wet, and humid. The temps are to range from 69-74-65°F. Wind is from the NNE-NE at 8-22 mph. Relative humidity is 80-85%. Rain is expected to continue intermittently.

Total Volume Processed for Day: 460,960 gallons

Plant Operating Hours: 19:43 hrs. **Total Downtime**: 4:17 hrs.

Reason for Downtime:
Plant was shut down for backwashing the carbon adsorbers

Significant Operational Problems:
None – start up after the shut down was smooth

Corrective Maintenance Performed:
Air Sparged and backwashed carbon adsorbers through 2 cycles each.
Installed drain valve on AS blower housing
Cleaned and adjusted ASF pH electrode

Verbal/Written Instruction from Government Personnel:
No new instructions

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
Quarterly PW sampling task was completed
Injection well falling head tests were 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 320 gpm for the day. Injection well levels are lower after the IW tests.

End of month tasks and documentation are underway.

Plant clean-up is on-going

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

Plant Manager Signature: Peter Takach, August 24, 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: 8-23-10 Time: 0547

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
181	186	367

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
858	0	212.61

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	3197285	168920	166810	165500	166940		12773
EW-2	257846	180480	177910	176530	180500		56519
EW-3	234101	167750	165130	163920	167800		60870

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	161.9	99	3502660	Light Rain, this Morning, Cloudy
IW-2	150.5	86	3171982	TEMP @ 71° F
IW-3	155.4	112	3215935	
IW-4	157.4	79	2866840	PLANT IS RUNNING WELL

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	78742	NM	SB	SB	STAND-BY
INF 2	72601		2	10	
INF 3	27871		2	8	
ASF 1	40800		SB	SB	STAND-BY
ASF 2	46549		0	31	
ASF 3	41973		0	32	
GAC 1	44100		SB	SB	STAND-BY
GAC 2	47668		3	15	
GAC 3	32874		4	16	
REC 1	21933		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1 (42.63	337		6	27	
INJ 2	38221		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—		—	—	
BLOWER	—		—	—	

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

AS Blower (H_2O")	4.6	
Air Temp (°F)	57°	57°
Water Temp (°F)		18°C
V-GAC #1 (H_2O")	2.45	0.60
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.34	6.01 \ 16°C
Reactor Tank 2	5.33	5.98 \ 15°C
AS. Feed	6.09	6.21 \ 15°C
PLANT DISCHARGE - **pH**		6.22
PLANT DISCHARGE - **Temp.**		18°C

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

Additional comments:
- NO MONITORING DONE
- PLANT DOWN @ 0901
- Ordered Turbidity Solution

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

Supervisors Signature: Patrick Ckard Date 8-24-10

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

OPERATOR: J. JACKSON DATE: 8-23-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • Cloudy MORNING, With VERY Light RAIN, TEMP FEELS	
2) LIKE 71°F, Humidity @ 87%, with Winds AROUND 9 MPH	
3)	
4) • the WEEKLY TEMP & PH WAS DONE	
5)	
6) • AIR MONITORING WAS DONE AFTER DIU Calibration	
7)	
8) • the ORION METER - Calibrates WELL - TAKES A while FOR	
9) This TO Stabilize..	
10)	
11) • PLANT DOWN @ 0901	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • 0940 - 1ST BACKWASH AT CAC #1	
2)	
3) • the 2ND BACKWASH AT CAC #1 - WATER BLACK, VERY	
4) DIRTY	
5)	
6) • 1145 - 1ST Backwash AT CACH 2 - WATER DIRTY, NOT DARK BLACK.	
7)	
8) • Call MAKE TO EES TO order FROM HOMBA their	
9) SEPERATE Turbidity SOLUTION)	
10)	
11) • Final Backwash / PLANT BACK ON LINE	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter Neal 8-24-10

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

DATE: 6-23-10

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

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

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

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	WATERS EVERYWHERE
SHARP EDGES	NONE
PINCH POINTS	NONE
OTHER HAZARDS	NONE

Air Compressor	General Conditions and Comments
TANK	BEING USED TODAY - BACKWASHING
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:

GAC #1 & 2 BEING BACKWASH - BOTH VESSELS VERY DIRTY
BUTTERFLY VALVE AT GAC #1 & 2 LEAK THROUGH - MUST BE RE-PLACED.

SIGNED: [signature]

DATE: 8-24-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

MOM

DATE: 8-23-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	730	OM	1500	
JAMES S. JACKSON	J. Jackson	0526	CPS	1345	Home
RICHARD C. CRONCE		PCV			

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

Day: Tuesday
Date: 08-24-10

Weather Forecast (am): Mostly cloudy and cooler. Temperatures are to range from 63-70-66^{O}F. Wind will come from the NNE at 20-16 mph. Relative humidity is 80-90 with afternoon rain expected.

Total Volume Processed for Day: 571,190 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:
Changed flange gasket on $KMnO_4$ tank drain
Adjusted check valves on ASF pumps
Decanted sludge tank
Cleaned up floors

Verbal/Written Instruction from Government Personnel:
No new instructions

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

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

Available Analytical Results:
No new data is available.

Calibration Procedures Performed:
No calibrations required.

General Remarks:
The plant is stable at current flow levels. Influent flow is at 370 gpm and plant discharge is 390.

End of the month documentation continues.

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

Plant Manager Signature: Peter Takach, August 25, 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: 8-24-10 Time: 0517

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
388	0	21247

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	319840	137680					62786
EW-2	257989	147040					56527
EW-3	234251	152980					60883

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	161.8	94	3513622	COOL MORNING, FEELS LIKE 64°F
IW-2	132.8	91	3182551	Humidity @ 84%
IW-3	155.9	108	3228605	
IW-4	146.5	88	2896965	PLANT IS RUNNING FINE

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73742	NM	SB	SB	STAND-BY
INF 2	72620		3	11	
INF 3	27890		3	11	
ASF 1	46800		SB	SB	STAND-BY
ASF 2	48618		0	32	
ASF 3	41992		0	33	
GAC 1	44100		SB	SB	STAND-BY
GAC 2	47687		2	15	
GAC 3	32893		4	16	
REC 1	21933		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	64282		6	26	
INJ 2	38240		7	26	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—		—	—	
BLOWER	—	↓	—	—	

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

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

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.33	
Reactor Tank 2	5.36	
AS. Feed	6.10	
PLANT DISCHARGE - **pH**		
PLANT DISCHARGE - **Temp.**		

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

Additional comments:

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

Supervisors Signature: [signature] Date 8-25-10

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

OPERATOR: J. JACKSON DATE: 8-24-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• FEELS LIKE 64°F, AND CLOUDY, WINDS ARE AT 17	
2)	MPH	
3)		
4)	• PLANT IS RUNNING FINE, DO DETECT A SLIGHT IN-	
5)	CREASE IN NOISE IN both INJECTION MOTORS	
6)		
7)	• CHECK VALVE AT AIR STRIPPER STATION WAS CLOSE	
8)	Completely - QUITE SLightly the NOISE with	
9)	MOTOR HZ - LOWERED HZ by 5. FROM 57 TO	
10)	52 HZ	
11)		

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• the Daily OPERATORS LOG WAS Completed	
2)		
3)	• PLANT FLOW AT LOWER LEVEL WAS MONDED	
4)		
5)	• DECANTING PLANT SURGE TANK	
6)		
7)		
8)		
9)		
10)		
11)		

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter Jackson 8-25-10

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

DATE: 8-24-10

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

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

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

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		OK
SLUDGE SETTLER	✓	✓	✓	OK
RECYCLE	✓	✓	✓	OK - Running Today
AIR STRIPPER FEED	✓	✓	✓	OK Check Valve Closed
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK - Slightly Noisey

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	WATER VACUUMED UP
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	#1 RUNS FOR 10 SECOND - SHUT OFF

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

Notes and Comments:

Both Compressor Motor LEAK.

SIGNED: [signature]

DATE: 8-25-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

TUE
DATE: 8-24-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	Peter Takach	7[30]	O&M	15[00]	Home
JAMES S. JACKSON	J Jackson	0511	OPS	1342	Home
RICHARD C. CRONCE					

PEW

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: Wednesday
Date: 08-25-10

Weather Forecast (am): Raining and cool. Temperatures are to range from 65-73-67°F. Wind is expected from the NNE-NW at 10>5 mph. Relative humidity is 95>80%. No rain is expected to stop by evening.

Total Volume Processed for Day: 566,490 gallons

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

Reason for Downtime:
No downtime to report

Significant Operational Problems:
Continue to have problems with ASF pump check valves during pump start-up

Corrective Maintenance Performed:
Rotated process pumps from 2&3 to 1&2
The air compressor's PM tasks were performed and the unit was cleaned.

Verbal/Written Instruction from Government Personnel:
Submitted ASR for September's PD samples

Inspections Performed and Results:
Conducted site safety inspection, there were no new safety or equipment issues.
The plant's comprehensive safety inspections were completed with no new 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 ~370 gpm and effluent flows are averaging 390 gpm.

Amity Auto Glass was in to repair the truck windshield

End of the month documentation continues.

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

Plant Manager Signature: Peter Takach, August 25, 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 Jackard Day: WEDNESday Date: 8-25-10 Time: 0525

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
184	187	371

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
390	0	21304

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	320605	166780					62801
EW-2	258166	178800					56543
EW-3	234436	186100					60899

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	161.9	95	3527254	Misty Rain, Feels Like 66°F
IW-2	131.5	90	3195559	NE WIND AT 13 MPH
IW-3	166.0	109	3214356	
IW-4	147.6	87	2909552	PLANT IS RUNNING FINE

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73742	NM	SB	SB	STAND-BY
INF 2	72644		2	12	
INF 3	27914		2	8	
ASF 1	40800		SB	SB	STAND-BY
ASF 2	48641		0	32	
ASF 3	42016		0	32	
GAC 1	44100		SB	SB	STAND-BY
GAC 2	47211		3	15	
GAC 3	32917		4	18	
REC 1	21933		OFF	OFF	
REC 2	20742		OFF	OFF	
INJ 1	64305		6	26	
INJ 2	38264		7	26	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—		—	—	
BLOWER	—		—	—	

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

AS Blower (H_2O")	4.7	
Air Temp (°F)	570	570
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	5.32	
Reactor Tank 2	5.36	
AS. Feed	6.69	
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:
Truck Windshield WAS Replace-
ED

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

Supervisors Signature: P. Rakel Date 8-26-10

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

PERATOR: J JACKSON DATE: 8-25-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
• The Daily Operators Log Was Completed	
• Much Time Spent Analizing # 1 Compressor motor Starting but NOT RUNNING	
• OPEN CONTROL PANEL 1) PUT Both Switches IN ON Position 2) # 2 WORKED FINE 3) TRIED # 1 IT TO WORKED	
• Close Panel - TRIED Both motors & they Worked	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
• Compressor TANK IS VERY OILY HAD to BE CLEANED With Simple Green	
• Skid was mopped ALSO	
• Truck Wind Shield Was Replaced	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

8-26-10

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

DATE: 8-25-10

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

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

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

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

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

Air Compressor	General Conditions and Comments
TANK	CLEANED
AFTER COOLER	OK
AIR DRIER	OK
MOTOR & COMPRESSOR	CLEANED

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

Notes and Comments:

SIGNED: _____ DATE: 8-25-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

(WEDS)

DATE: 8-25-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	Peter Takach	715	O&M	1640	/
JAMES S. JACKSON	J. Jackson	0513	CPS	1339	Home
RICHARD C. CRONCE					

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

Day: Thursday
Date: 08-26-10

Weather Forecast (am): Sunny and warmer. The temperatures are to range from 70-82-62°F. Wind is from the WNW to NW at 7-13-12 mph. Relative humidity is 50% with no rain expected.

Total Volume Processed for Day: 559,223 gallons

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

Reason for Downtime:
No downtime to report

Significant Operational Problems:
None

Corrective Maintenance Performed:
Continued with painting of equipment and pipe support structures
Landscaping tasks

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:
No tests were performed or samples taken

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 370 gpm and effluent flow is ~390 gpm. The TW tank is at 62% and the plant discharge averaged 388 gpm for the day.

End of month tasks and documentation is underway.

JSJ continues with cleaning up various process skids.

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

Plant Manager Signature: Peter Takach, August 27, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: J. Jackson Day: Thursday Date: 8-26-10 Time: 0537

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
392	0	21361

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	320179	166670					62818
EW-2	258353	178610					56559
EW-3	234632	185630					60915

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	1620	96	3541100	Temp at 64°F, Cloudy with a
IW-2	132.8	91	3208757	Wind 7 mph
IW-3	156.0	109	3260320	
IW-4	1480	85	2972212	Plant is running well

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73762	NM	3	11	
INF 2	72668		3	12	
INF 3	27917		SB	SB	STAND-BY
ASF 1	40870		0	32	
ASF 2	48665		0	30	
ASF 3	42019		SB	SB	STAND-BY
GAC 1	49120		2	12	
GAC 2	47735		2	14	
GAC 3	32920		SB	SB	STAND-BY
REC 1	21933		OFF	OFF	
REC 2	20702		OFF	OFF	
INJ 1	64329		6	27	
INJ 2	38281		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)	57°	57°
Water Temp (°F)		17°C
V-GAC #1 (H_2O")	2.15	0.45
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.37	
Reactor Tank 2	5.36	
AS. Feed	6.09	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

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

Additional comments:
EPA ON SITE NEXT DOOR OLD CLAREMONT PLANT, TO INVESTIGATE OLD INSTALLATION OFF ROOF

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

Supervisors Signature: Peter Jackson Date 8-27-10

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

OPERATOR: J JACKSON DATE: 6-26-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
• THE TEMP IS AT 69°C WIND about 7 MPH - IT	this MORNING, WITH A IS ALSO Cloudy
• Completed the daily operators LOG	
• FINISH UP CLEANING the COMPRESSOR TANK	
• CONDUIT WAS PAINTED	SILVER
• PIPE SUPPORT FOR COALESCING FILTERS	GRAY PRIMER

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
• WEED WACKED EAST SIDE OF PLANT	
• WEED WACKED CENTER & Part of WESTERN SIDE OF PLANT	
• LEAF BLOWER USED TO Blow EXCESS GRASS CLIPPINGS	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

Peter Packard 8-27-10

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

DATE: 8-26-10

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

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

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

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

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

Air Compressor	General Conditions and Comments
TANK	CLEANED
AFTER COOLER	CLEANED
AIR DRIER	CONDUIT PAINTED
MOTOR & COMPRESSOR	CLEANED

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

Notes and Comments:

SIGNED: [signature] DATE: 8-27-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

(Taurus)

DATE: 8-26-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	700	OPS	1540	
JAMES S. JACKSON	J. Jackson	0625	OPS	1842	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: 08-27-10

Weather Forecast (am): Sunny and cool. Temperatures are to range 60-80-63°F. Wind from the NNW at 7 mph. Relative humidity is 60% with little chance of precipitation.
Sat.: Sunny, warm, 64-83-70°F. Wind 8-5 mph from NW, RH at 55% with little chance of rain.
Sun.: Sunny, warm, 64-88-70°F. Wind 7-4 mph from NW. RH at 60% with little chance of rain.

Total Volume Processed for period (7/30-8/2): 1,693,528 gallons

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

Reason for Downtime:
No downtime to report

Significant Operational Problems:
None

Corrective Maintenance Performed:
Mowed grass on slope and at selected wells

Verbal/Written Instruction from Government Personnel:
The EPA has assigned DESA Lab for the September PD samples.

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:
Plant sound level monitoring was completed

Available Analytical Results:
Received organic sample data from July's GW task

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

General Remarks:
Plant operation is stable with steady influent and effluent flows. Injection well #2 is still slightly dropping.

End of the month documentation continues

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

Plant Manager Signature: Peter Takach, August 30, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: J Jackson Day: Friday Date: 8-27-10 Time: 05 43

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
187	186	371

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
391	0	21417

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	320342	167720					62834
EW-2	258527	179660					56575
EW-3	234815	151830					60931

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.0	96	3554747	Today it's much cooler, temp
IW-2	131.5	90	3221768	at 60°F, mild wind @ 2mph
IW-3	186.0	109	3276016	
IW-4	146.3	86	2934636	Plant is cruising along fine

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73785	NM	3	12	
INF 2	72691		3	13	
INF 3	27917		93	93	STAND-BY
ASF 1	40444		1	32	
ASF 2	41689		2	31	
ASF 3	42019		93	93	STAND-BY
GAC 1	44144		3	17	
GAC 2	47756		2	15	
GAC 3	32920		93	93	STAND-BY
REC 1	21933		OFF	OFF	
REC 2	20707		OFF	OFF	
INJ 1	41353		6	27	
INJ 2	36311		7	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—				
BLOWER	—	V			

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

AS Blower (H_2O")	48	
Air Temp (°F)	57°	57°
Water Temp (°F)		76°F
V-GAC #1 (H_2O")	2.45	0.45
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.32	
Reactor Tank 2	5.35	
AS. Feed	6.09	
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:
Needs Tech Person Should Come In & Evaluate Both Compressor Motors For Leaks

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

Supervisors Signature: [signature] Date 8-30-10

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

OPERATOR: J Jackson DATE: 6-27-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
• VERY COOL MORNING, OVERCAST WEATHER, TEMP @ 60 °F	
• THE DAILY OPERATORS LOG WAS COMPLETED	
• GRASS ON HILL IN FRONT OF PLANT WAS CUT	
• GRASS IN REAR OF PLANT WAS CUT	
• GRASS @ SW-1 & DW-1 WAS CUT	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
• GRASS EW-7's WAS CUT	
• GRASS AT ENTRANCE WAS CUT	
• EXT-3 GRASS AROUND WELL WAS CUT	
* TECH PERSON SHOULD EVALUATE BOTH COMPRESSOR MOTORS - TO SEE WHY THEY ARE LEAKING OIL	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

Paul Crail 8-30-10

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

DATE: 8-27-10

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				
HYDROCHLORIC ACID				SERVICE

Process Tanks	Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION	✓	✓	RUST SPOTS
TREATED WATER	✓	✓	RUST SPOTS
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	OK
AFTER COOLER	OK
AIR DRIER	OK
MOTOR & COMPRESSOR	* Both Motors has OIL LEAKS

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

Notes and Comments:

* Before Changing OIL & Filter, NEED TO HAVE Tech Person Investigate OIL LEAKS.

SIGNED: _____ DATE: 8-30-10

Operations and Maintenance Document

SOUND MONITORING WORK SHEET

Day	FRIDAY
Date	8-27-10
Instrument ID	BETA 93-20 # 310
Battery Check	OK
Calibration Check	OK
Inspector	TAKACH

Area	Reading (dB)	Conditions
Office	60-62	DOOR OPEN TO SHOP & OUTDOORS
HVAC Mezzanine	NM	
Clarifier Mezzanine	72-74	
Injection Pumps (at motors)	84-86	*
AS Feed Pumps (at Motors)	78-80	#1 & 2 *
Air Compressor Station	NM.	OFF LINE
Air Stripper Tower Area	74-78	
AST Blower	84-86	*
Paved Area	60-70	
Shop	70-72	DOOR OPEN TO OUTDOORS

Comments and Observations:

NM - Not Measured

F-21

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: 8-27-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	Peter Takach	725	D&M	1545	
JAMES S. JACKSON	JJackson	0535	OPS	1354	Home
RICHARD C. CRONCE		PET			

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

Day: Monday
Date: 08-30-10

Weather Forecast (am): Sunny and warm. Temps are to range 67-89-70^{O}F. Wind is 5-5-5 mph from NNW. Relative humidity is 60>50% with no precipitation expected.

Total Volume Processed for Day: 567,845 **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 cleanup tasks
Tightened radiator coils on compressor to stem oil leak

Verbal/Written Instruction from Government Personnel:
Received request from USACE to amend budget to cover an additional 9 months through June 2011

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

Record of any tests performed, samples taken, and personnel involved:
Plant air-monitoring was completed – no emissions observed.
Plant discharge readings were taken.
Infiltration gallery flow meter readings were recorded as were water levels in the piezometer tubes.

Available Analytical Results:
No new results available.

Calibration Procedures Performed:
The PID was calibrated and recorded onto 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 ~370 gpm. Plant discharge flow was 394 gpm for the day.

Plant clean up continues.

The end of June documentation continues

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

Plant Manager Signature: Peter Takach, August 31, 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: 8-30-10 Time: 0535

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
391	0	21586

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	320829	168080	168310	168040	167720		62881
EW-2	259060	180660	180890	180390	179660		56622
EW-3	235373	168170	168080	167530	186080		60979

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.1	94	35957.05	This Morning it is 71°F and Partly
IW-2	129.1	88	32608.61	Cloudy - To go up to 92° Today
IW-3	156.1	109	33231.24	
IW-4	148.9	86	29718.09	PLANT IS RUNNING FINE

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	78856	NM	3	12	
INF 2	72761		3	12	
INF 3	27917		SB	SB	STAND-BY
ASF 1	40914		2	32	
ASF 2	48759		2	30	
ASF 3	42019		SB	SB	STAND-BY
GAC 1	44710		SB 3	15	
GAC 2	47826		2	15	
GAC 3	32920		SB	SB	STAND-BY
REC 1	21933		OFF	OFF	
REC 2	20702		OFF	OFF	
INJ 1	64023		6	27	
INJ 2	38361		7	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")	4.7	
Air Temp (°F)	57°	57°
Water Temp (°F)		
V-GAC #1 (H_2O")	2.45	0.45
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.32	6.13 | 15°C
Reactor Tank 2	5.35	6.11 | 15°C
AS. Feed	6.10	6.23 | 15°C
PLANT DISCHARGE - pH		6.45
PLANT DISCHARGE - Temp.		20.4°C

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

Additional comments:
During the Calibration of DO, had Fault #2 - Low amount of gas
Went to Home Depot

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

Supervisors Signature: [signature] Date 8-31-10

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

OPERATOR: J JACKSON | DATE: 8-30-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
• THE PLANT IS RUNNING FINE	
• THIS MORNING THE TEMP IS 71°F PARTLY CLOUDY	
• THE WEEKLY TEMP & PH WAS COMPLETED	
• HAD A FAULT #2 WITH P110 - LOW GAS - WAS CORRECTED	
• AIR CALIBRATION WAS DONE - NO ISSUES	
• WENT TO HOME DEPOT TO PICK UP SUPPLIES	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
• WEEDWACKING DIC WEST SIDE OF PLANT.	
• WEED WACKED WEST & AIR STRIPPER BLOWER & NORTH OF REAR OF PLANT, TO BOTH TREATMENT & EQ TANK AROUND THE BASE OF TANKS	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
WEEDWACKER SPOOL WAS WORN, NEEDED TO BE REPLACED, AND IT WAS.

8-31-10

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

DATE: 8-30-10

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	✓	✓	RUST SPOTS
TREATED WATER	✓	✓	RUST SPOTS
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	OK
AFTER COOLER	OK
AIR DRIER	OK
MOTOR & COMPRESSOR	SCALES TECH should look at LEAKS

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

Notes and Comments:

OIL change & FILTES CAN NOT BE DONE, UNTIL TECH Check-out MOTOR LEAKS.

SIGNED: _____ DATE: 8/31/10

AIR MONITORING LOG
CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler J. JACKSON Date 6-30-10

Calibration Standard(s) 100 PPM \ ISOBUTYLENE

Post-cal Readings 99.0 PPM \ 100.0 PPM

Location		Reading (ppm)
CONTROL ROOM		
	Laboratory	0.0
	Bathroom	0.0
	Office	0.0
PLANT		
	Influent Area	
	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: AIR MONITORING WENT WELL - NO ISSUES TO REPORT

THERE WAS A FAULT 2 DURING CALIBRATION - CLEARED UP

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

(MON)

DATE: 8-30-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	715	T&M O&M	1556	
JAMES S. JACKSON	J. Jackson	0530	OS	1356	Home
RICHARD C. CRONCE		PET			

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

Day: Tuesday
Date: 08-31-10

Weather Forecast (am): Mostly sunny and warm. Temps are to range from 75-91-73°F. Winds are 6mph from NNW-SW. Relative humidity is 45-50% with no precipitation expected.

Total Volume Processed for Day 561,951 **gallons**

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
Continue to have start up trouble with ASF pumps

Corrective Maintenance Performed:
Outdoor clean up of north side
Reset ASF pumps and check-valves

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 or removing weeds and plant growth were practical.

End of the month documentation continues.

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

Plant Manager Signature: Peter Takach, September 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: TUESDAY Date: 8-31-10 Time: 0525

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
391	0	21643

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	321003	167930				11.1	62897
EW-2	259237	160659				11.3	56638
EW-3	235559	188120				10.8	60994

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.1	96		THIS MORNING THE TEMP IS @ 72°F
IW-2	129.0	90	3273839	WILL RISE TO 90's.
IW-3	166.2	109	3338853	
IW-4	144.4	85	2984087	PLANT IS RUNNING FINE

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73879	1.6	2	11	
INF 2	72785	1.9	2	11	
INF 3	27917	1.7	SB	SB	STAND-BY
ASF 1	46937	5.1	1	32	
ASF 2	48782	5.1	2	31	
ASF 3	42019	5.2	SB	SB	STAND-BY
GAC 1	44237	3.1	3	14	
GAC 2	47852	3.3	3	13	
GAC 3	32920	2.7	SB	SB	STAND-BY
REC 1	21933	1.6	OFF	OFF	
REC 2	20742	1.7	OFF	OFF	
INJ 1	64446	5.6	6	27	
INJ 2	38401	7.4	8	27	
INJ 3	—	—	NIS	NIS	NOT IN SERVICE
SUMP	—	1.1	—	—	
BLOWER	—	3.2	—	—	

	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°
Water Temp (°F)	17°C
V-GAC #1 (H_2O")	2.45
V-GAC #2 (H_2O")	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.31	
Reactor Tank 2	5.36	
AS. Feed	6.10	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

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

Additional comments:
Rolled WEEDS & VINES @ North SIDE OF PLANT.

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

Supervisors Signature: [signature] Date 9-1-10

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

OPERATOR: J. JACKSON DATE: 8-31-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
• THIS MORNING THE TEMP IS AT 72°F - ONLY TO INCREASE TO THE MID 90'S TODAY	
• THE DAILY OPERATORS LOG WAS DONE	
• THE AMP DRAWS WERE TAKEN - AGAIN DUE TO NON-FUNCTIONAL CHECK VALVES AT AIR STRIPPER PUMP SECTION - P-2-31 - FAILED CAUSING TANKS TO OVER FLOW	
• THE AUGUST MAINTENANCE LOG WAS COMPLETED & SENT TO PETER	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
• WEED WACKED BETWEEN WEST OF PLANT & EAST SIDE OF CONCRETE LOADING SLAB	
• AT NORTH SIDE OF PLANT PALLETS & OVERPACKS MOVE TO PULL ROOTS	
• AT NORTH SIDE OF PLANT PVC, GALVANIZE PIPE WAS MOVE TO PULL ROOTS & VINES	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

9-1-10

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

DATE: 8-31-10

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	OK
AFTER COOLER	OK
AIR DRIER	OK
MOTOR & COMPRESSOR	FINS WERE TIGHTENED

Air Stripper	General Conditions and Comments
COLUMN	OK
BLOWER & BELTS	OK - MOTOR SHAFT GREASED
CARBON VESSELS	OK

Notes and Comments:

SIGNED: P. Pikul 9-1-10 DATE: _____

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

(TUES)

DATE: 8-31-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	Peter Takach	720	O&M	1550	✓
JAMES S. JACKSON	J. Jackson	0520	Operator	1343	Home
RICHARD C. CRONCE	RCC				