JULY 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	Uninterruptible Power Supply
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 July 2010, the period defined as 0600 hours, July 1, 2010, through 0600 hours, August 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 July reporting period with no plant downtime. The pump for extraction well #1 was disabled for most of the month. The injection pumps cycled off for 77 minutes in July for injection well tests and low process flows.

A copy of Project Status Report No. 37 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 cleaning and painting process equipment and supporting structures.
- Attempts were made to manually activate the permanganate feed system. This proved unsuccessful.
- Sampling pumps were repaired, as needed.
- The motor-pump coupling failed on influent pump #2. The motor was realigned to the pump head and the coupling replaced. The pump was returned to service.
- A fallen tree was cut up and removed from the access path to the well field.
- The motor for the pump in extraction well #1 was replaced and the pump returned to service.
- The support structure of air stripper feed (ASF) pump #3 was worked on to reduce vibration and whine.

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
- Plant Operator's Daily Log CL-35
- 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

- Steve Zimmers was on-site to assist in installing the pump motor in extraction well #1.
- Mike Gonzalez was on-site to assist in installing the pump motor in extraction well #1.
- Richard Cronce was up for a New York State Department of Environmental Conservation (NYSDEC) site visit.
- Bart Sattler was in to assist with the quarterly groundwater sampling tasks.

3.2 Manufacturing Representatives

- None

3.3 Subcontractors and Deliveries

- Mail was delivered seven times.
- General Welding delivered nitrogen bottles and returned to pick them up.
- FedEx made deliveries on seven occasions.
- Dell Roofing was in to repair the plant roof (two visits).
- Ken-Mar was in to inspect the fire extinguishers and returned to deliver two units.
- Kallmeyer Truck Tire was in to replace the damaged tire and wheel on the crane truck.

3.4 Visitors

- Din Weng of the Town of Oyster Bay (TOB) laboratory picked up groundwater samples.
- Representatives from the United States Environmental Protection Agency (EPA) (three) and NYSDEC (four) were in for a site visit and to discuss the O&M transfer.
- WRS was at the old plant to evaluate reinstalling the soil-vapor extraction (SVE) system.
- Shewen Bian was in to get up-to-date on NYSDEC meeting.
- Valerie Egan was in to sample well BP-3B (two times).
- Westin Engineering was in (at the request of EPA) to evaluate the old plant's structural integrity.
- Plainview Fire Department was in for the annual plant inspection.

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 July 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 this month's quarterly sampling events. The database has been updated, and the water elevation data are provided in Table 6-1. The next update for this database will be after the October quarterly sampling events.

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 July 2010, as measured from 0600 hours on July 1, 2010, to 0600 hours on August 1, 2010, was 17,343,434 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 30,963,546 gallons. This is approximately five 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 389 gallons per minute (gpm) and 559,466 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 July are indicated below:

Injection Well System	Flow Average (gpm)	Volume Discharged (Gallons)
IW-1	95.3	4,254,240
IW-2	91.6	4,090,030
IW-3	111.4	4,971,040
IW-4	79.6	3,555,060
System	377.9	16,870,370

There is a discrepancy between the total of the individual flows with that of the plant discharge flowmeter of ~11 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. Attempts were made to manually run the system. This was not possible. (The system holds water.)
- The sodium hydroxide system is operational and was operated for several days in June without problems.
- The hydrochloric acid (HCl) system is operational and was operated for several days in June without problems.
- 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. (The system contains water.)

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.

The differential pressure readings across the vessels have been stable and required no further maintenance. No carbon was added or removed from 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 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 July.

13.0 OTHER OPERATIONS, MAINTENANCE, OR MANAGEMENT ISSUES

Responsibility for the GWTP operation is to be turned over to the NYSDEC in September 2010. This includes the release of documents related to the operation of the plant and the cost of the operation to the NYSDEC project manager.

Several ongoing plant-wide issues include:

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

14.0 PROPOSED CHANGES TO STANDARD OPERATING PROCEDURES (SOP)

- Procedures and standard forms are reviewed and revised as needed. These included:
  - Sound Monitoring Worksheet CPS-Form-015 (to rev. F)

- No new procedures were submitted.

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. Annually during the October groundwater (GW) event, samples are collected for inorganic analysis. Samples are sent to facilities assigned by the EPA contract laboratories program (CLP). Significant sampling-related events for the month of July included:

- The quarterly groundwater sampling task was completed on July 15, 2010. The organic samples were sent to the Division of Environmental Science and Assessment (DESA) laboratory for analysis.
- Analytical data for the June organic samples was received.
- The quarterly PW sample tasks were completed July 21, 2010. The organic and inorganic samples were shipped to the DESA laboratory. The generic samples were shipped to Analytical Laboratory Services, Inc. (ALSI).

- An Analytical Services Request (ASR) was submitted for the August 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)
July 06, 2010	5.91	19
July 12, 2010	5.95	16
July 19, 2010	5.54	17
July 26, 2010	6.20	17
Monthly Average	**5.90**	**17.25**

The NYSDEC discharge permit requires the PD to have an average monthly pH greater than 5.50. Based on the weekly readings presented above, the treatment plant effluent met the monthly average pH discharge requirement.

Soundings to determine the depth to the bottom of the IWs were taken on July 27, 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 July, as compared to June, the plant

operated on a stable basis, where plant effluent and IW levels were steady. The dip in flow and well levels was due to the failure of influent pump #2.

A falling head test was performed on the IWs on July 28. A graphic representation of the time required to drop the water level to a static condition is presented in Figure 15-2. Comparisons of baseline data from March 2006 to that of recent tests (Figure 15-3) indicate that well #4 is operating near its baseline. Well #3, 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 June.

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

16.0 PROCESS ANALYSIS, INTERPRETATIONS, AND CONCLUSIONS

16.1 Influent Process

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

- The pump motor for extraction well #1 was replaced and the system returned to service.

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

- Influent pump #2 failed and required alignment and replacement of the motor to pump coupling. The pump is fully operational.
- July'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 most of 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 are being 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.

16.4 Air Stripping Process

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

Work was performed to reduce the vibration and noise in the system. No other issues arose concerning the operation of the ASF or the AS systems. Routine maintenance tasks continue.

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.

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 high but 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 July. Routine maintenance tasks continue.

FIGURES

Figure 7-1. Actual Versus Treated Water Goal

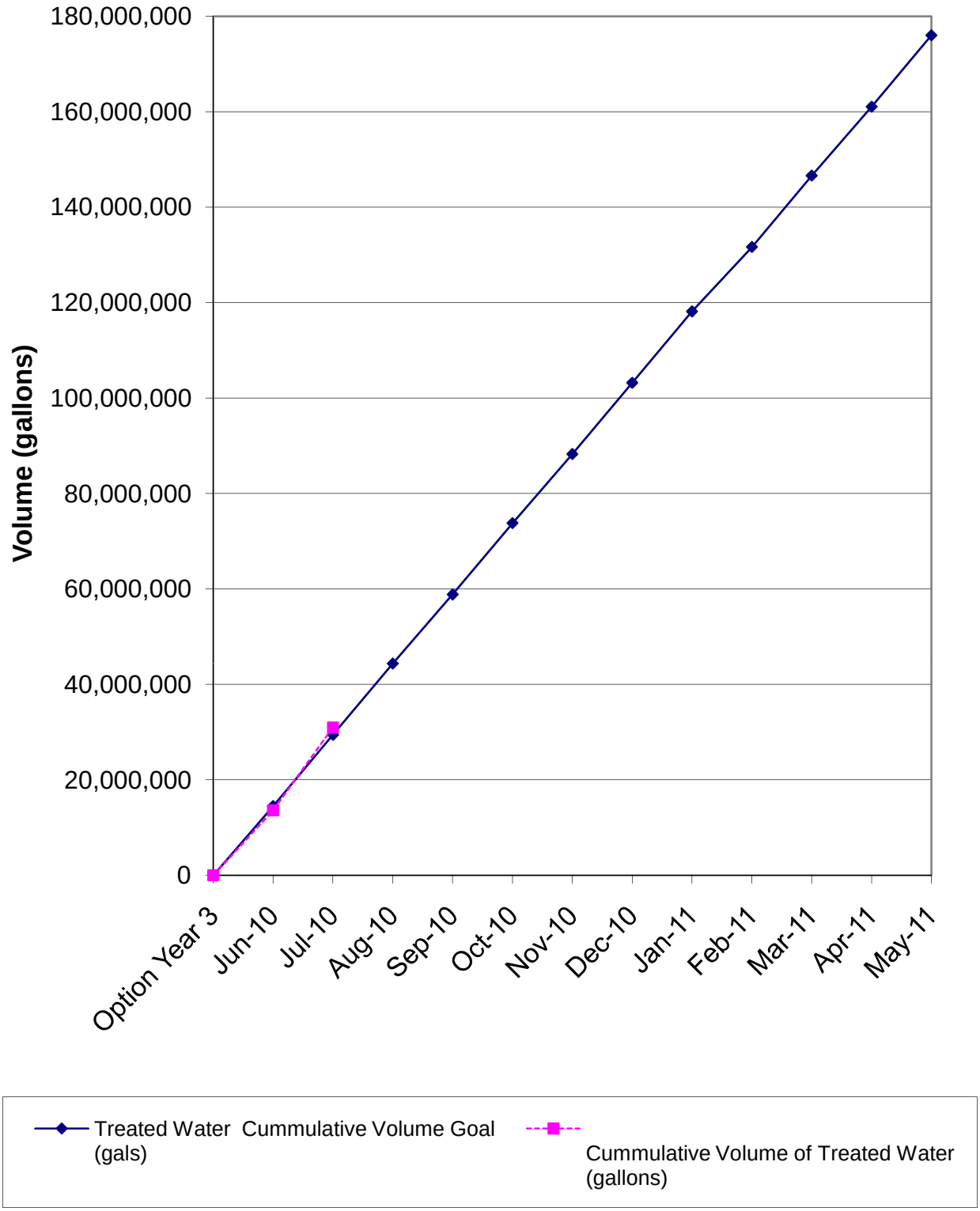


Figure 15-1 Injection Well Elevations and Daily Flow

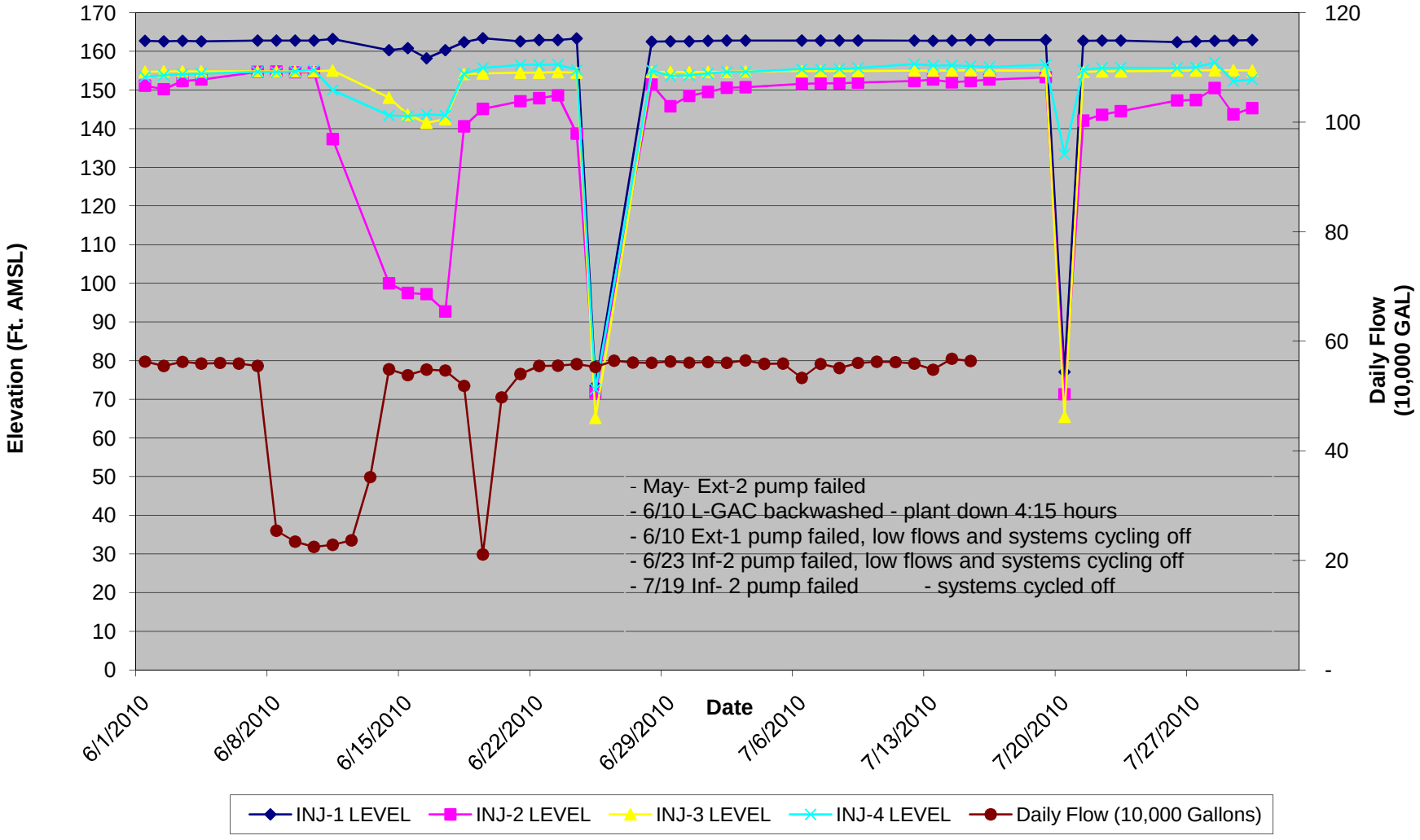


Figure 15-2 Injection Well Falling Head Test July 28, 2010

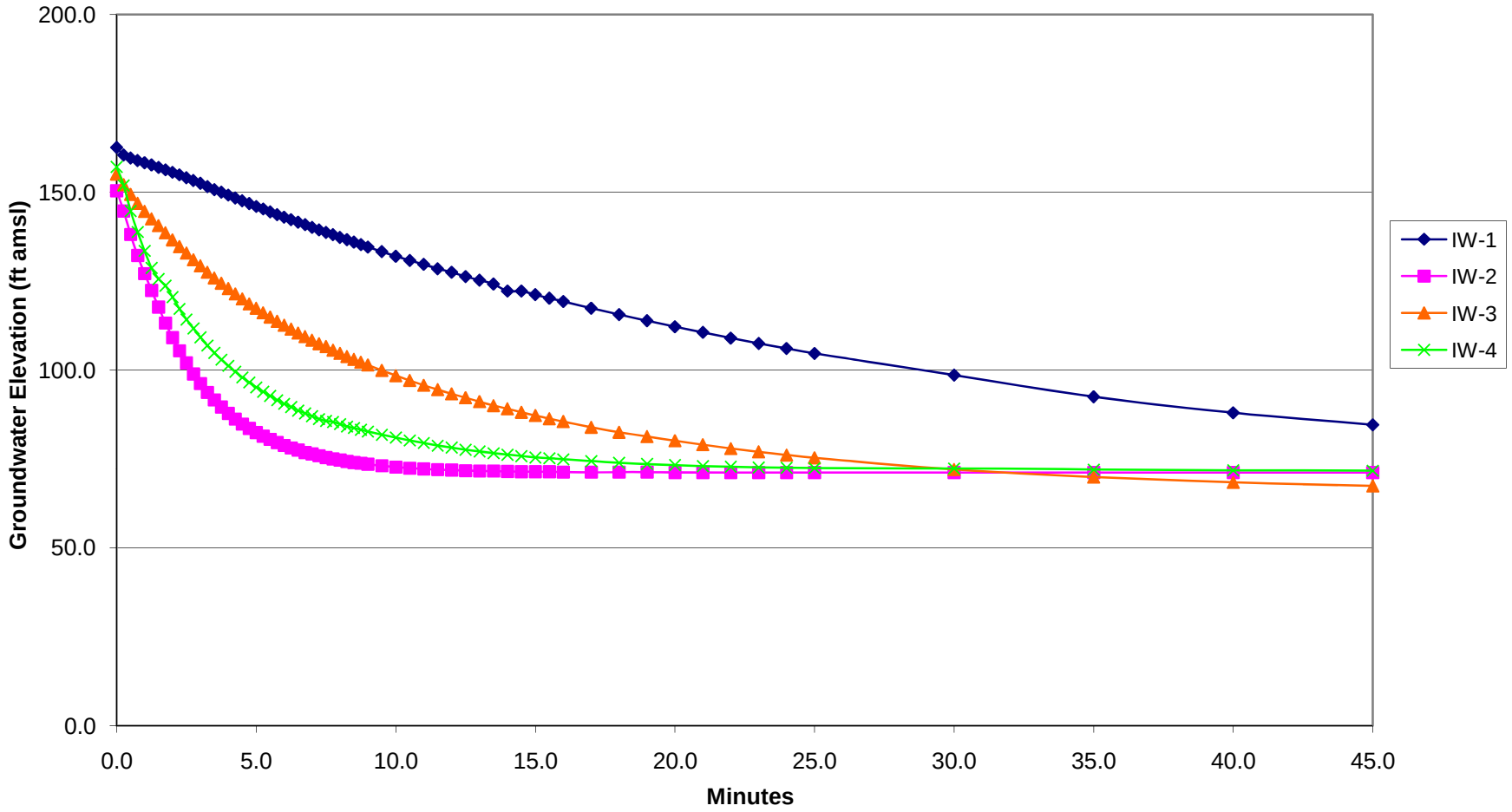
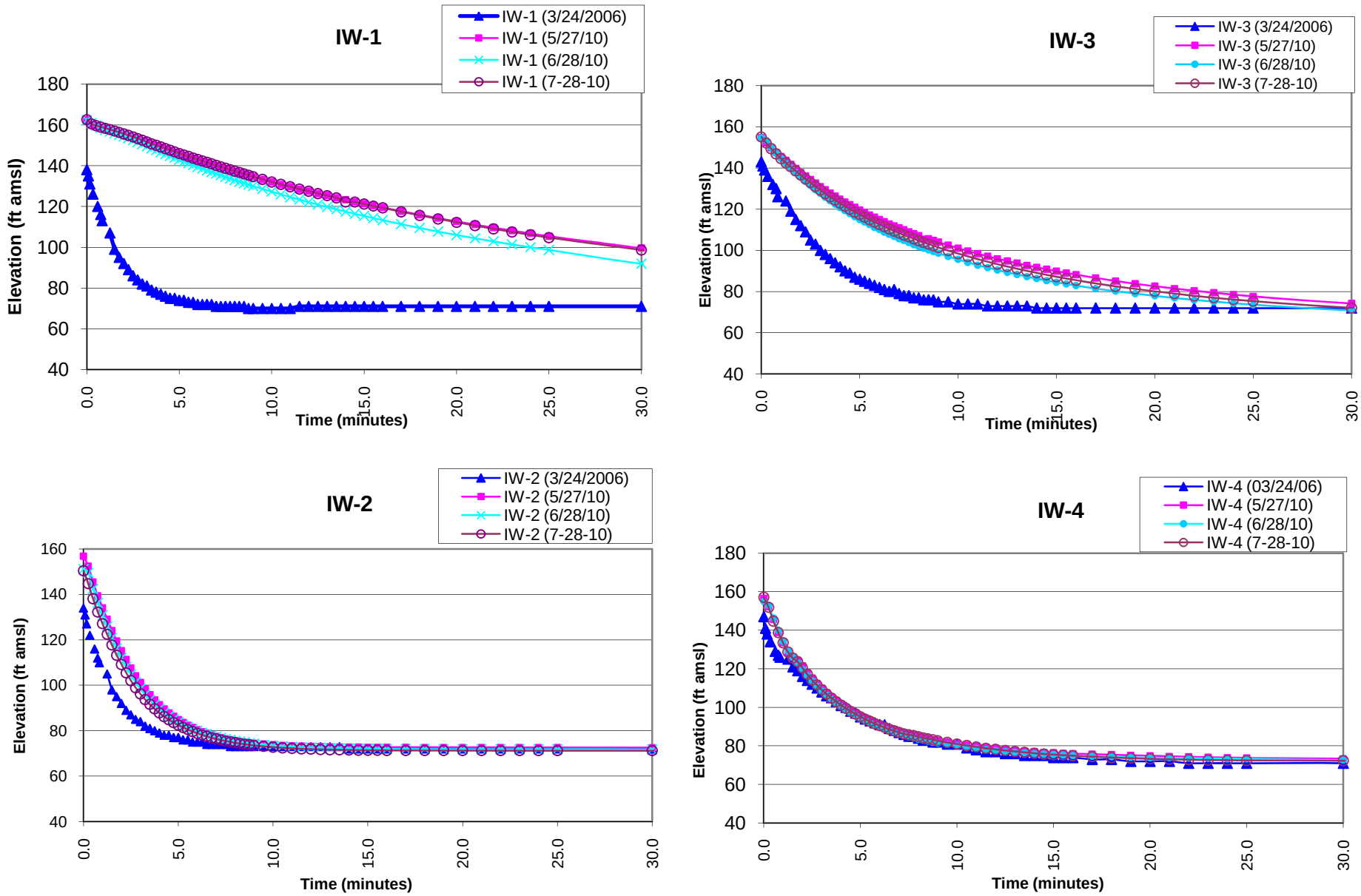


Figure 15-3 Comparison of Post-Redevelopment and March 2006 Falling Head Tests



TABLES

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

July 2010

SYSTEM	UNITS	EQUIPMENT	ACTION	FREQUENCY	5-Jul	12-Jul	19-Jul	26-Jul		COMMENTS
EXTRACTION WELLS										New pump motor installed in #1 on 7/21
new motor installed in #2 6/18/10	3	PUMPS	HOUR READINGS	DAILY	FF	FF	FF	FF		
new pump and motor in #1 on 7/22/10	3	MOTORS	AMP DRAW	MONTHLY	-	-	-	complete		Amp Draws taken 7/28
EQUALIZATION TANK	1	TANK	INSPECT	Daily	FF	FF	FF	FF		Tanks are inspected daily. Some rust observed
jogged mixer 9/3/09	1	MIXER	exercise	as needed	-	-	-	-		mixer is off line
inspected and cleaned 8/09	1	INFLUENT STRAINER	INSPECT(last 10/06)	MONTHLY	-	-	-	-		
INFLUENT PUMPS	3	SUCTION VALVES	EXERCISE	MONTHLY	-	-	-	FF		Pump isolation valves are exercised monthly and during plant shutdowns
	3	DISCHARGE VALVES	EXERCISE	MONTHLY	-	-	-	FF		
	3	CHECK VALVES	LUBRICATE	as needed	-	-	-	-		Check valves are lubricated periodically
			INSPECT	Monthly	FF	-	-	-		
pumps and trays painted 4/10	3	PUMPS	INSPECT	WEEKLY	FF	FF	FF	FF		new motor coupling on P2 (6/25/10), motor aligned
new pump head installed P-3 10/08	3	PUMP MOTORS	INSPECT	Monthly	FF	-	-	-		pumps rotated 4 times in July
P#2 mech. seal installed 12/09			LUBRICATE	MONTHLY	FF	-	-	-		
			AMP DRAW	MONTHLY	-	-	-	complete		Amp Draws taken 7/28
	2	FLOW DIRECTION VALVES	EXERCISE	MONTHLY	FF	-	-	-		adjusted as needed during pump rotations
actuators removed 6/2/08	2	FLOW CONTROL VALVES	INSPECT	Monthly	FF	FF	FF	FF		Valves normally open
	2	MAGNETIC FLOW METERS	INSPECT	WEEKLY	FF	FF	FF	FF		
			CALIBRATE	as needed	FF	FF	FF	FF		not necessary
	6	PRESSURE GAUGE VALVES	EXERCISE	MONTHLY	FF	-	-	-		
REACTION TANK # 1	1	MAIN DRAIN VALVE	EXERCISE	MONTHLY	-	-	-	-		Tanks are filled with water, no leaks, drain valve not tested
mixer jogged 9/09	1	MIXER	INSPECT	MONTHLY	Chemical feeds are not in service, ppt not required					not in service
			LUBRICATE	as needed	-	-	-	-		
electrode replaced 10/08	1	pH PROBE	CHECK ACCURACY	WEEKLY	FF	FF	FF	FF		checked weekly vs lab meter
			INSPECT	MONTHLY	cleaned	cleaned	cleaned	cleaned		inspected and cleaned as needed
			CALIBRATE	MONTHLY	cal'd	cal'd	cal'd	cal'd		last calibrated 7/26
REACTION TANK # 2	1	MAIN DRAIN VALVE	EXERCISE	MONTHLY	-	-	-	-		Tanks are filled with water, no leaks, drain valve not tested
mixer jogged 9/09	1	MIXER	INSPECT	MONTHLY	Chemical feeds are not in service, ppt not required					not in service
			LUBRICATE	as needed	-	-	-	-		
probe replaced 12/08	1	pH PROBE	CHECK ACCURACY	WEEKLY	FF	FF	FF	FF		checked weekly vs lab meter
			INSPECT	MONTHLY	cleaned	cleaned	cleaned	cleaned		inspected and cleaned as necessary
			CALIBRATE	MONTHLY	cal'd	cal'd	cal'd	cal'd		Last calibrated 7/26
CAUSTIC FEED		Bulk Chemical - drums	INVENTORY	WEEKLY	7	7	7	7		ok
	1	POLY TANK	INSPECT	WEEKLY	-	-	-	-		System holds water but is off line
system last tested 05/10			CLEAN	AS NEEDED	-	-	-	-		not necessary
	1	MIXER	INSPECT	WEEKLY	-	-	-	-		complete system tested for 7-8 days - pumps, mixer and fill
(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	5-Jul	12-Jul	19-Jul	26-Jul		COMMENTS
EXTRACTION WELLS										New pump motor installed in #1 on 7/21
POLYMER FEED		Bulk Chemicals -bags	INVENTORY	Weekly	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
			CLEAN	AS NEEDED	-	-	-	-		wiring inconsistencies and missing control parts. Pumps work in
	2	DRAIN VALVE	EXERCISE	MONTHLY	-	-	-	-		manual mode 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		Bulk Chemicals	INVENTORY	Weekly	0	0	0	0		The potassium permangante feed system is currently off-line. The
PERMANGANATE FEED	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	-	-	-	-		Tank is full - no leaks.
	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
	1	DRAIN VALVE	EXERCISE	MONTHLY	-	-	-	-		currently offline. Due to lack of solids in the groundwater, metals
	1	SLUDGE PUMP INF. VALVE	EXERCISE	MONTHLY	-	-	-	-		precipiation is 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		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 06/10
	3	SAMPLE PORT VALVES	EXERCISE	WEEKLY	-	-	-	-		
	1	DRAIN VALVE	EXERCISE	MONTHLY	-	-	-	-		tank is full, valve not tested, no leaks
	1	WEIRS	INSPECT	WEEKLY	FF	FF	FF	FF		cleaned as needed
CLARIFIER # 2	1	BAFFLES	INSPECT	WEEKLY	FF	FF	FF	FF		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
			EXRECISE	MONTHLY	-	-	-	-		pumps tested 06/10
	3	SAMPLE PORT VALVES	EXERCISE	WEEKLY	-	-	-	-		
	1	DRAIN VALVE	EXERCISE	MONTHLY	-	-	-	-		System holds water, no leaks
	1	WEIRS	INSPECT	WEEKLY	FF	FF	FF	FF		cleaned as needed

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

SYSTEM	UNITS	EQUIPMENT	ACTION	FREQUENCY	5-Jul	12-Jul	19-Jul	26-Jul		COMMENTS
EXTRACTION WELLS										New pump motor installed in #1 on 7/21
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		
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		
PNEUMATIC SYSTEM	1	AIR COMPRESSOR MOTORS	CHECK OIL LEVEL	WEEKLY	FF	off	off	off		
(off line 1/08)			CHANGE OIL / FILTER	QUARTERLY	FF	off	off	off		System is off line and is activated as needed. Oil added Feb -10
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
control panel circuit breaker replaced 3-17-09	1	AIR COMP. TANK	INSPECT	WEEKLY	FF	off	off	off		
			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	COALESING 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	-	-	-	-		last calibrated 7/26/10
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 4imes in July
	3	PUMP MOTORS	INSPECT	WEEKLY	FF	FF	FF	FF		amp draws taken 7/28
			LUBRICATE	AS NEEDED	FF	FF	FF	FF		pumps exhibit 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	5-Jul	12-Jul	19-Jul	26-Jul		COMMENTS
EXTRACTION WELLS										New pump motor installed in #1 on 7/21
HYDROCHLORIC FEED		Bulk Chemistry - plastic drums	INVENTORY	WEEKLY	1	1	1	1		The hydrochloric acid feed system is currently offline and out of service. Equipment is checked as needed.
	1	MIXER	INSPECT	MONTHLY	NR	NR	NR	NR		
system tested 5/09			CLEAN	AS NEEDED	-	-	-	-		The system was operated for several days in June 2010. Fill system, mixer, level controls, and pumps operate. Pump 1 is a little weaker than #2.
pump2 replaced 7/07	2	PUMPS	INSPECT	MONTHLY	-	-	-	-		
calibration column valves replaced 11/09		PIPING / TUBING	INSPECT	MONTHLY	-	-	-	-		
			CLEAN	AS NEEDED	-	-	-	-		
AIR STRIPPER TOWER	1	FIBERGLASS TOWER (painted 5/08)	INSPECT	WEEKLY	FF	FF	FF	FF		
heater switched off Mar-2010	1	HEATER	INSPECT	WEEKLY	-	-	-	-		
	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 7/28
last greased 6/29/10			GREASE BEARINGS	MONTHLY	FF	-	-	-		
	1	Blower Magnehelic	INSPECT	WEEKLY	FF	FF	FF	FF		
	1	SUMP	DRAIN	AS NEEDED	-	-	-	-		
		OFF GAS PIPING	INSPECT	WEEKLY	FF	FF	FF	FF		
	2	OFF GAS PIPING VALVES	EXERCISE	MONTHLY	FF	-	-	-		
VAPOR GAC UNITS	4	GAUGES	INSPECT	Daily	FF	FF	FF	FF		part of daily data collection
			DRAIN CONDENSATE	AS NEEDED	-	-	-	-		periodically
	8	GAUGE VALVES	EXERCISE	MONTHLY	FF	-	-	-		
new tubing 10/29/09		TUBING	INSPECT	Daily	FF	FF	FF	FF		
			REPLACE	AS NEEDED	-	-	-	-		
AQUEOUS GAC FEED	3	PUMP	INSPECT	WEEKLY	FF	FF	FF	FF		
pumps and trays painted 4/10	3	PUMP MOTORS	INSPECT/ROTATE	WEEKLY	FF	FF	FF	FF		inspected daily, rotated 4 times in July
New PG (P-2 out) 9/08			LUBRICATE	AS NEEDED	FF	-	-	-		
			AMP DRAW	MONTHLY	-	-	-	-		Amp Draws taken 7/28
	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 6/10/10
	3	BACKWASH VALVES	EXERCISE	MONTHLY	FF	FF	FF	FF		
	2	EFFLUENT VALVES	EXERCISE	MONTHLY	FF	FF	FF	FF		Pin hole leaks on both vesselswere weld repaired 5/28/10
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	5-Jul	12-Jul	19-Jul	26-Jul		COMMENTS
EXTRACTION WELLS										New pump motor installed in #1 on 7/21
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 7/28
IW-3 pipe repaired 1/10	4	Injection Wells	Inspect	as necessary	FF	FF	FF	FF		Falling head tests completed 7/28, 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		
pumps and trays painted 4/10		PUMP MOTORS	INSPECT	WEEKLY	FF	FF	FF	FF		system spends most time in standby mode
			LUBRICATE	AS REQUIRED	-	-	-	-		
			AMP DRAW	MONTHLY	-	-	-	-		Amp Draws taken 7/28
	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	5-Jul	12-Jul	19-Jul	26-Jul		COMMENTS
EXTRACTION WELLS										New pump motor installed in #1 on 7/21
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	5-Jul	12-Jul	19-Jul	26-Jul		COMMENTS
EXTRACTION WELLS										New pump motor installed in #1 on 7/21

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

							Elevation (NGVD29) to Top of				February 2002			April 2002			May 2002		
Well ID	Northing (NAD27)	Easting (NAD27)	Well Diameter (inches)	Depth of Screened Interval (ft bgs)	Elev.of Screened Interval (ft AMSL)	Well Depth (ft bgs)	Ground Surface (ft AMSL)	Steel Casing (ft AMSL)	PVC Casing (ft AMSL)	Pump Cap (ft AMSL)	Sample Date	Depth to Water Below Ref El[a]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[a]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)
Monitoring Wells																			
EW-1A	193873.779	2154019.942	4	65.17 to 75.00	53.34 to 63.17	76.50	128.34	130.09	130.02	130.00	14-Feb-02	69.58	60.44	5-Apr-02	70.20	59.82	16-May-02	70.60	59.40
EW-1B	193883.104	2154024.450	4	90.17 to 100.00	28.75 to 38.58	102.40	128.75	130.65	130.56	130.53	14-Feb-02	70.17	60.39	5-Apr-02	70.77	59.79	16-May-02	71.13	59.40
EW-1C	193876.735	2154013.250	4	115.17 to125.00	3.43 to 13.26	127.50	128.43	130.60	130.47	130.44	14-Feb-02	69.75	60.72	5-Apr-02	70.51	59.96	16-May-02	71.02	59.42
EW-2A	193955.252	2154621.992	4	92.17 to 102.00	65.19 to 55.36	108.50	157.36	157.54	157.14	157.36	12-Feb-02	97.67	59.47	5-Apr-02	98.35	58.79	17-May-02	98.89	58.47
EW-2B	193968.144	2154627.191	4	120.17 to 130.00	28.74 to 38.57	129.50	157.74	157.99	157.61	157.73	12-Feb-02	98.17	59.44	5-Apr-02	98.59	59.02	15-May-02	99.05	58.68
EW-2C	193965.658	2154619.710	4	140.17 to 150.00	7.60 to 17.43	149.50	157.60	157.93	157.54	157.66	12-Feb-02	98.33	59.21	5-Apr-02	98.60	58.94	15-May-02	99.19	58.47
EW-2D	194009.000	2154637.000	2.5	291.1 to 301.1	-132.55 to -142.55	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	-125.26 to -135.26	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 -131.47	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 -112.49	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 -116.75	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 -187.28	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 -196.15	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	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El[b]	Water Elevation (ft AMSL)
EW-1A	6-Aug-02	72.00	58.00	21-Oct-02	72.76	57.24	21-Nov-02	76.62	53.38	22-Jan-03	71.24	58.76	16-Apr-03	69.68	60.32	28-Jul-03	68.94	61.06	22-Oct-03	67.99	62.01
EW-1B	6-Aug-02	73.13	57.40	21-Oct-02	73.99	56.54	21-Nov-02	73.10	57.43	22-Jan-03	71.20	59.33	16-Apr-03	70.15	60.38	28-Jul-03	68.45	62.08	22-Oct-03	69.31	61.22
EW-1C	6-Aug-02	72.52	57.92	21-Oct-02	73.07	57.37	21-Nov-02	72.80	57.64	22-Jan-03	71.54	58.90	16-Apr-03	69.80	60.64	28-Jul-03	68.50	61.94	22-Oct-03	68.11	62.33
EW-2A	7-Aug-02	101.17	56.19		dry		21-Nov-02	100.20	57.16	21-Jan-03	dry			dry			dry		23-Oct-03	95.93	61.43
EW-2B	7-Aug-02	100.42	57.31	23-Oct-02	100.80	56.93	21-Nov-02	100.35	57.38	21-Jan-03	99.38	58.35	15-Apr-03	97.85	59.88	28-Jul-03	96.12	61.61	21-Oct-03	96.15	61.58
EW-2C	7-Aug-02	100.25	57.41	23-Oct-02	100.74	56.92	21-Nov-02	100.30	57.36	21-Jan-03	99.20	58.46	15-Apr-03	97.60	60.06	28-Jul-03	95.90	61.76	21-Oct-03	95.92	61.74
EW-2D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-3A	NM	NM	NM		dry		22-Nov-02	103.90	55.02	NM	NM	NM		dry			dry			dry	
EW-3B	NM	NM	NM	24-Oct-02	104.09	55.00	22-Nov-02	103.96	55.13	NM	NM	NM	15-Apr-03	101.49	57.60	28-Jul-03	98.80	60.29	21-Oct-03	99.33	59.76
EW-3C	NM	NM	NM	24-Oct-02	104.02	54.93	22-Nov-02	103.85	55.10	NM	NM	NM	15-Apr-03	101.15	57.80	28-Jul-03	98.69	60.26	21-Oct-03	98.99	59.96
EW-4A	6-Aug-02	103.49	58.29	23-Oct-02	104.12	57.66	21-Nov-02	103.66	58.12	22-Jan-03	102.52	59.26	16-Apr-03	100.92	60.86	28-Jul-03	99.25	62.53	20-Oct-03	99.45	62.33
EW-4B	6-Aug-02	103.55	58.25	23-Oct-02	104.07	57.73	21-Nov-02	103.70	58.10	22-Jan-03	102.72	59.08	16-Apr-03	100.00	61.80	28-Jul-03	99.29	62.51	20-Oct-03	99.45	62.35
EW-4C	6-Aug-02	103.48	58.06	23-Oct-02	103.92	57.62	21-Nov-02	103.43	58.11	22-Jan-03	102.28	59.26	16-Apr-03	100.65	60.89	28-Jul-03	98.95	62.59	20-Oct-03	99.24	62.30
EW-4D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-5	5-Aug-02	78.75	58.23	22-Oct-02	79.16	57.82	22-Nov-02	78.64	58.34	21-Jan-03	77.43	59.55	15-Apr-03	76.26	60.72	28-Jul-03	74.23	62.75	22-Oct-03	82.70	54.28
EW-6A	NM	NM	NM		dry			dry		NM	NM	NM	16-Apr-03	67.66	62.66	NM	NM	NM		dry	
EW-6B		abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned	
EW-6C	NM	NM	NM	23-Oct-02	71 (+/-) 1	59.4 (+/-) 1	22-Nov-02	/e	/e	NM	NM	NM	16-Apr-03	68.50	61.90	28-Jul-03	66.90	63.50	23-Oct-03	65.64	64.76
EW-7C	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-7D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-8D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-9D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-10C	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-11D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-12D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-13D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-14D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
SW-2		dry			dry			dry			dry			dry			dry			dry	
DW-2	5-Aug-02	79.50	56.92	22-Oct-02	80.11	56.31	22-Nov-02	79.59	56.83	21-Jan-03	78.58	57.84	15-Apr-03	76.76	59.66	28-Jul-03	75.26	61.16	22-Oct-03	76.49	59.93
SW-1		dry			dry			dry			dry			dry			dry			dry	
DW-1	5-Aug-02	73.12	58.26	22-Oct-02	73.78	57.60	22-Nov-02	73.60	57.78	21-Jan-03	72.40	58.98	17-Apr-03	70.76	60.62	28-Jul-03	69.00	62.38	21-Oct-03	68.97	62.41
LF-02	NM	NM	NM	21-Oct-02	61.01	57.69	19-Nov-02	60.82	57.88	NM	NM	NM	15-Apr-03	57.94	60.76	28-Jul-03	56.18	62.52	23-Oct-03	56.12	62.58
PPW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	23-Oct-03	71.15	62.70
WT-01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	17-Apr-03	103.19	61.38	28-Jul-03	101.12	63.45	22-Oct-03	100.45	64.12
MW-6D	NM	NM	NM	24-Oct-02	104.20	56.19	NM	NM	NM	NM	NM	NM	16-Apr-03	101.12	59.27	31-Jul-03	99.59	60.80	22-Oct-03	99.39	61.00
MW-8A	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-8B	NM	NM	NM	21-Oct-02	77.49	56.75	NM	NM	NM	NM	NM	NM	16-Apr-03	74.77	59.47	NM	NM	NM	22-Oct-03	72.88	61.36
MW-8C	NM	NM	NM	23-Oct-02	68.55	67.17	NM	NM	NM	NM	NM	NM	16-Apr-03	75.08	60.64	29-Jul-03	73.58	62.14	22-Oct-03	73.55	62.17
MW-10B	NM	NM	NM	24-Oct-02	105.02	56.10	NM	NM	NM	NM	NM	NM	15-Apr-03	102.08	59.04	31-Jul-03	100.82	60.30	22-Oct-03	101.38	59.74
MW-10C	NM	NM	NM	24-Oct-02	104.20	56.07	NM	NM	NM	NM	NM	NM	15-Apr-03	101.20	59.07	30-Jul-03	99.96	60.31	21-Oct-03	99.28	60.99
MW-10D	NM	NM	NM	24-Oct-02	95.00	66.17	NM	NM	NM	NM	NM	NM	15-Apr-03	102.03	59.14	30-Jul-03	100.98	60.19	21-Oct-03	99.34	61.83
BP-3A	NM	NM	NM	21-Oct-02	73.83	50.71	NM	NM	NM	NM	NM	NM	14-Apr-03	70.45	54.09	30-Jul-03	65.48	59.06	NM	NM	NM
BP-3B	NM	NM	NM	25-Oct-02	72.94	50.63	NM	NM	NM	NM	NM	NM	14-Apr-03	69.81	53.76	29-Jul-03	67.29	56.28	20-Oct-03	68.27	55.30
BP-3C	NM	NM	NM	25-Oct-02	73.17	50.51	NM	NM	NM	NM	NM	NM	14-Apr-03	70.02	53.66	29-Jul-03	67.55	56.13	20-Oct-03	68.52	55.16
RW-01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	17-Apr-03	73.80	/h	24-Jul-03	72.20	/h		abandoned	
EX-1	NM	NM	NM	Oct-02	77.12	57.19	NM	NM	NM	28-Jan-03	76.04	58.27	Apr-03	75.28	59.03	28-Jul-03	73.48	60.83	7-Oct-03	73.30	61.01
EX-2	NM	NM	NM	Oct-02	88.64	57.61	NM	NM	NM	28-Jan-03	88.12	58.13	Apr-03	86.82	59.43	28-Jul-03	85.23	61.02	7-Oct-03	85.12	61.13
EX-3	NM	NM	NM	Oct-02	102.98	57.71	NM	NM	NM	28-Jan-03	102.12	58.57	Apr-03	101.34	59.35	28-Jul-03	99.25	61.44	7-Oct-03	99.01	61.68
IW-1	8-Aug-02	7.21	157.67	28-Oct-02	13.00	151.88	19-Nov-02	7.10	157.78	23-Jan-03	10.72	154.16	Apr-03[g]	91.99	72.89	28-Jul-03	25.00	139.88	16-Oct-03	2.44	162.44
IW-2	8-Aug-02	15.61	150.00	28-Oct-02	17.93	147.68	19-Nov-02	12.59	153.02	23-Jan-03	22.30	143.31	Apr-03[g]	101.30	64.31	28-Jul-03	23.30	142.31	16-Oct-03	5.75	159.86
IW-3	8-Aug-02	14.62	151.64	28-Oct-02	2.53	163.73	19-Nov-02	6.10	160.16	23-Jan-03	14.20	152.06	Apr-03[g]	102.40	63.86	28-Jul-03	88.30	77.96	16-Oct-03	0.00	166.26
IW-4	8-Aug-02	28.78	137.31	28-Oct-02	40.32	125.77	19-Nov-02	56.00	110.09	23-Jan-03	46.31	119.78	Apr-03[g]	103.30	62.79	28-Jul-03	54.25	111.84	16-Oct-03	29.70	136.39
IG-1[i]																					
IG-3[i]																					

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

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

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

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 2008			October 2008			January 2009			April 2009			July 2009			October 2009			Jan-10			Apr-10			Jul-10		
Well ID	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)	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	14-Jul-08	62.97	67.03	7-Oct-08	63.58	66.42	12-Jan-09	63.22	66.78	6-Apr-09	62.54	67.46	13-Jul-09	62.85	67.15	19-Oct-09	64.00	66.00	14-Jan-10	64.85	65.15	1-Apr-10	63.30	66.70	8-Jul-10	62.00	68.00
EW-1B	14-Jul-08	63.86	66.67	7-Oct-08	64.38	66.15	12-Jan-09	63.82	66.71	6-Apr-09	63.22	67.31	13-Jul-09	63.63	66.90	19-Oct-09	64.50	66.03	14-Jan-10	64.50	66.03	1-Apr-10	63.87	66.66	8-Jul-10	61.90	68.63
EW-1C	14-Jul-08	63.72	66.72	7-Oct-08	64.30	66.14	12-Jan-09	63.84	66.60	6-Apr-09	63.07	67.37	13-Jul-09	63.79	66.65	19-Oct-09	64.90	65.54	14-Jan-10	64.20	66.24	1-Apr-10	63.73	66.71	8-Jul-10	61.75	68.69
EW-2A	16-Jul-08	91.53	65.83	9-Oct-08	91.59	65.77	12-Jan-09	91.90	65.46	7-Apr-09	90.45	66.91	13-Jul-09	90.93	66.43	20-Oct-09	92.41	64.95	14-Jan-10	92.65	64.71	1-Apr-10	91.28	66.08	8-Jul-10	90.20	67.16
EW-2B	14-Jul-08	91.80	65.93	10-Oct-08	92.65	65.08	12-Jan-09	91.40	66.33	7-Apr-09	11.38	146.36	13-Jul-09	91.56	66.17	20-Oct-09	92.56	65.17	14-Jan-10	92.65	65.08	1-Apr-10	91.58	66.15	13-Jul-10	90.20	67.53
EW-2C	14-Jul-08	91.35	66.31	9-Oct-08	92.40	65.26	12-Jan-09	91.79	65.87	7-Apr-09	91.20	66.46	14-Jul-09	91.73	65.93	21-Oct-09	92.57	65.09	14-Jan-10	93.12	64.54	1-Apr-10	91.50	66.16	14-Jul-10	90.05	67.61
EW-2D	16-Jul-08	91.79	66.45	7-Oct-08	92.18	66.06	13-Jan-09	91.62	66.62	7-Apr-09	91.28	66.96	14-Jul-09	91.81	66.43	20-Oct-09	92.64	65.60	19-Jan-10	92.33	65.91	6-Apr-10	90.65	67.59	13-Jul-10	89.91	68.33
EW-3A	14-Jul-08	94.64	64.31	8-Oct-08	95.15	63.80	13-Jan-09	94.83	64.12	8-Apr-09	94.60	64.35	14-Jul-09	94.78	64.17	19-Oct-09	95.65	63.30	15-Jan-10	95.50	63.45	5-Apr-10	94.28	64.67	9-Jul-10	92.68	66.27
EW-3B	14-Jul-08	94.96	64.13	8-Oct-08	95.48	63.61	13-Jan-09	94.75	64.34	8-Apr-09	94.93	64.16	14-Jul-09	94.93	64.16	19-Oct-09	95.96	63.13	15-Jan-10	95.86	63.23	5-Apr-10	94.13	64.96	9-Jul-10	93.03	66.06
EW-3C	17-Jul-08	94.85	64.10	8-Oct-08	95.24	63.71	13-Jan-09	94.69	64.26	7-Apr-09	94.84	64.11	14-Jul-09	94.75	64.20	19-Oct-09	95.83	63.12	15-Jan-10	96.75	62.20	5-Apr-10	94.10	64.85	9-Jul-10	93.00	65.95
EW-4A	15-Jul-08	95.20	66.58	7-Oct-08	95.50	66.28	13-Jan-09	94.90	66.88	6-Apr-09	94.68	67.10	14-Jul-09	95.10	66.68	20-Oct-09	97.20	64.58	15-Jan-10	95.64	66.14	5-Apr-10	94.55	67.23	9-Jul-10	93.40	68.38
EW-4B	15-Jul-08	94.76	67.04	7-Oct-08	95.68	66.12	13-Jan-09	95.00	66.80	7-Apr-09	94.62	67.18	14-Jul-09	95.32	66.48	20-Oct-09	97.00	64.80	15-Jan-10	96.35	65.45	5-Apr-10	94.84	66.96	9-Jul-10	93.63	68.17
EW-4C	16-Jul-08	94.77	66.77	7-Oct-08	95.15	66.39	13-Jan-09	94.20	67.34	7-Apr-09	94.25	67.29	14-Jul-09	94.57	66.97	20-Oct-09	95.92	65.62	15-Jan-10	96.10	65.44	5-Apr-10	94.12	67.42	9-Jul-10	92.95	68.59
EW-4D	14-Jul-08	94.85	66.92	6-Oct-08	95.33	66.44	12-Jan-09	94.48	67.29	6-Apr-09	94.20	67.57	13-Jul-09	94.56	67.21	19-Oct-09	95.65	66.12	18-Jan-10	95.42	66.35	5-Apr-10	94.07	67.70	12-Jul-10	93.01	68.76
EW-5	15-Jul-08	70.50	66.48	8-Oct-08	70.55	66.43	14-Jan-09	69.63	67.35	8-Apr-09	69.65	67.33	15-Jul-09	69.50	67.48	21-Oct-09	72.32	64.66	19-Jan-10	71.70	65.28	6-Apr-10	69.19	67.79	13-Jul-10	69.32	67.66
EW-6A	17-Jul-08	61.84	68.48	7-Oct-08	62.31	68.01	14-Jan-09	61.55	68.77	7-Apr-09	61.28	69.04	14-Jul-09	61.51	68.81	20-Oct-09	62.62	67.70	19-Jan-10	61.77	68.55	7-Apr-10	60.95	69.37	13-Jul-10	59.93	70.39
EW-6B		abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned	
EW-6C	17-Jul-08	62.30	68.10	7-Oct-08	62.80	67.60	13-Jan-09	61.89	68.51	7-Apr-09	61.94	68.46	14-Jul-09	62.10	68.30	20-Oct-09	63.18	67.22	19-Jan-10	62.56	67.84	7-Apr-10	61.30	69.10	13-Jul-10	60.48	69.92
EW-7C	14-Jul-08	85.83	67.96	6-Oct-08	86.39	67.40	12-Jan-09	85.69	68.10	6-Apr-09	97.43	56.36	13-Jul-09	85.68	68.11	19-Oct-09	86.80	66.99	18-Jan-10	86.17	67.62	5-Apr-10	84.98	68.81	12-Jul-10	84.13	69.66
EW-7D	14-Jul-08	85.85	67.86	6-Oct-08	86.35	67.36	12-Jan-09	85.53	68.18	6-Apr-09	97.35	56.36	13-Jul-09	85.64	68.07	19-Oct-09	86.86	66.85	18-Jan-10	86.24	67.47	5-Apr-10	85.05	68.66	12-Jul-10	84.10	69.61
EW-8D	14-Jul-08	63.68	67.86	6-Oct-08	64.24	67.30	12-Jan-09	63.49	68.05	6-Apr-09	63.13	68.41	13-Jul-09	63.51	68.03	19-Oct-09	64.70	66.84	18-Jan-10	64.08	67.46	5-Apr-10	62.92	68.62	12-Jul-10	61.83	69.71
EW-9D	14-Jul-08	69.58	67.95	6-Oct-08	70.15	67.38	12-Jan-09	69.40	68.13	6-Apr-09	69.27	68.26	13-Jul-09	69.62	67.91	19-Oct-09	70.68	66.85	18-Jan-10	70.21	67.32	5-Apr-10	68.99	68.54	12-Jul-10	67.89	69.64
EW-10C	14-Jul-08	92.93	68.01	7-Oct-08	93.59	67.35	13-Jan-09	92.84	68.10	6-Apr-09	92.62	68.32	13-Jul-09	92.93	68.01	19-Oct-09	94.03	66.91	18-Jan-10	93.26	67.68	5-Apr-10	92.00	68.94	13-Jul-10	93.82	67.12
EW-11D	14-Jul-08	99.07	66.26	6-Oct-08	99.52	65.81	13-Jan-09	98.72	66.61	6-Apr-09	98.63	66.70	13-Jul-09	98.93	66.40	19-Oct-09	100.06	65.27	18-Jan-10	99.65	65.68	5-Apr-10	97.92	67.41	12-Jul-10	97.24	68.09
EW-12D	14-Jul-08	97.86	66.56	6-Oct-08	98.35	66.07	13-Jan-09	97.73	66.69	6-Apr-09	97.35	67.07	13-Jul-09	97.85	66.57	19-Oct-09	98.91	65.51	18-Jan-10	98.36	66.06	5-Apr-10	96.93	67.49	12-Jul-10	96.03	68.39
EW-13D	14-Jul-08	97.94	66.79	6-Oct-08	98.25	66.48	12-Jan-09	97.38	67.35	6-Apr-09	97.30	67.43	13-Jul-09	97.70	67.03	19-Oct-09	98.72	66.01	18-Jan-10	98.10	66.63	5-Apr-10	96.57	68.16	12-Jul-10	96.27	68.46
EW-14D	14-Jul-08	40.17	61.96	7-Oct-08	40.34	61.79	13-Jan-09	39.68	62.45	7-Apr-09	40.02	62.11	14-Jul-09	39.75	62.38	20-Oct-09	41.18	60.95	19-Jan-10	40.95	61.18	5-Apr-10	38.08	64.05	12-Jul-10	38.25	63.88
SW-2		dry			dry			dry			dry			dry			dry			dry			dry			dry	
DW-2	15-Jul-08	70.60	65.82	8-Oct-08	70.96	65.46	14-Jan-09	70.80	65.62	6-Apr-09	69.95	66.47	13-Jul-09	70.17	66.25	21-Oct-09	71.85	64.57	19-Jan-10	70.20	66.22	6-Apr-10	70.32	66.10	13-Jul-10	69.07	67.35
SW-1	15-Jul-08	64.50	66.99	8-Oct-08	64.05	67.44	14-Jan-09	64.65	66.84	7-Apr-09	64.00	67.49	15-Jul-09	64.34	67.15	21-Oct-09	65.40	66.09	19-Jan-10	65.15	66.34	6-Apr-10	64.31	67.18	8-Jul-10	62.69	68.80
DW-1	15-Jul-08	64.20	67.18	8-Oct-08	64.64	66.74	14-Jan-09	64.20	67.18	7-Apr-09	63.37	68.01	15-Jul-09	64.00	67.38	21-Oct-09	65.23	66.15	19-Jan-10	65.81	65.57	6-Apr-10	63.85	67.53	8-Jul-10	62.28	69.10
LF-02	16-Jul-08	52.54	66.16	8-Oct-08	51.94	66.76	14-Jan-09	51.60	67.10	8-Apr-09	51.20	67.50	15-Jul-09	51.50	67.20	22-Oct-09	52.35	66.35	19-Jan-10	52.53	66.17	7-Apr-10	51.10	67.60	12-Jul-10	46.64	72.06
PPW-1	16-Jul-08	69.65	67.09	9-Oct-08	69.79	66.95	Permanently closed Oct. 2008			Permanently closed Oct. 2008			Permanently closed Oct. 2008			Permanently closed Oct. 2008			Permanently closed Oct. 2008			Permanently closed Oct. 2008			Permanently closed Oct. 2008		
WT-01	16-Jul-08	96.65	67.92	9-Oct-08	97.29	67.28	14-Jan-09	96.63	67.94	7-Apr-09	96.52	68.05	14-Jul-09	96.71	67.86	21-Oct-09	97.59	66.98	20-Jan-10	96.42	68.15	8-Apr-10	95.38	69.19	14-Jul-10	92.42	72.15
MW-6D	16-Jul-08	94.82	65.57	8-Oct-08	94.99	65.40	14-Jan-09	94.80	65.59	8-Apr-09	94.35	66.04	15-Jul-09	94.71	65.68	21-Oct-09	95.74	64.65	20-Jan-10	95.73	64.66	6-Apr-10	94.20	66.19	14-Jul-10	92.59	67.80
MW-8A	17-Jul-08	68.40	64.78	8-Oct-08	69.25	63.93	14-Jan-09	68.91	64.27	9-Apr-09	68.44	64.74	16-Jul-09	68.55	64.63	22-Oct-09	69.92	63.26	21-Jan-10	68.76	64.42	7-Apr-10	68.70	64.48	14-Jul-10	66.86	66.32
MW-8B	15-Jul-08	68.48	NM	8-Oct-08	70.14	64.10	15-Jan-09	68.40	65.84	9-Apr-09	67.58	66.66	16-Jul-09	65.70	68.54	22-Oct-09	69.55	64.69	21-Jan-10	69.44	64.80	7-Apr-10	67.05	67.19	14-Jul-10	66.10	68.14
MW-8C	16-Jul-08	69.21	66.51	8-Oct-08	70.30	65.42	14-Jan-09	68.90	66.82	9-Apr-09	69.00	66.72	16-Jul-09	69.00	66.72	22-Oct-09	70.26	65.46	21-Jan-10	70.08	65.64	7-Apr-10	68.40	67.32	15-Jul-10	67.43	68.29
MW-10B	15-Jul-08	95.66	65.46	8-Oct-08	96.30	64.82	14-Jan-09	95.82	65.30	8-Apr-09	95.72	65.40	15-Jul-09	95.81	65.31	21-Oct-09	96.84	64.28	20-Jan-10	96.68	64.44	6-Apr-10	95.07	66.05	13-Jul-10	90.95	70.17
MW-10C	15-Jul-08	95.95	64.32	9-Oct-08	95.34	64.93	15-Jan-09	94.80	65.47	8-Apr-09	94.74	65.53	15-Jul-09	94.99	65.28	21-Oct-09	95.83	64.44	20-Jan-10	95.75	64.52	6-Apr-10	94.00	66.27	14-Jul-10	92.93	67.34
MW-10D	15-Jul-08	96.12	65.05	9-Oct-08	96.15	65.02	15-Jan-09	95.47	65.70	8-Apr-09	95.70	65.47	15-Jul-09	95.93	65.24	21-Oct-09	95.73	65.44	20-Jan-10	96.46	64.71	6-Apr-10	94.35	66.82	14-Jul-10	94.20	66.97
BP-3A	16-Jul-08	62.08	62.46	8-Oct-08	62.35	62.19	14-Jan-09	62.50	62.04	9-Apr-09	64.45	60.09	13-Jul-09	61.80	62.74	22-Oct-09	62.65	61.89	20-Jan-10	63.53	61.01	7-Apr-10	61.24	63.30	12-Jul-10	59.35	65.19
BP-3B	17-Jul-08	64.43	NM	9-Oct-08	64.51	59.06			123.57	9-Apr-09	64.45	59.12	16-Jul-09	63.90	59.67	22-Oct-09	65.34	58.23	21-Jan-10	65.25	58.32	8-Apr-10	NR	#VALUE!	15-Jul-10	62.21	61.36
BP-3C	17-Jul-08	84.71	NM	9-Oct-08	64.76	58.92	15-Jan-09	64.78	58.90	9-Apr-09	64.64	59.04	16-Jul-09	64.10	59.58	26-Oct-09	65.79	57.89	20-Jan-10	63.30	60.38	7-Apr-10	62.03	61.65	12-Jul-10	62.30	61.38
RW-01		abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned			abandoned	
EX-1	NM	NM	NM	16-Oct-08	80.70	53.61	20-Jan-09	80.40	53.91	14-Apr-09	80.52	53.79	20-Jul-09	68.30	66.01	13-Oct-09	69.29	65.02	11-Jan-10	82.68	51.63	12-Apr-10	81.56	52.75	26-Jul-10	79.20	55.11
EX-2	NM	NM	NM	16-Oct-08	87.98	58.27	20-Jan-09	86.90	59.35	14-Apr-09	87.45	58.80	20-Jul-09	87.50	58.75	13-Oct-09	85.62	60.63	11-Jan-10	89.40	56.85	12-Apr-10	87.90	58.35	20-Jul-10	87.10	59.15
EX-3	NM	NM	NM	16-Oct-08	104.60	56.09	20-Jan-09	84.96	75.73	14-Apr-09	**	#VALUE!	20-Jul-09	91.00	69.69	13-Oct-09	107.10	53.59	11-Jan-10	95.20	65.49	12-Apr-10	87.30	73.39	20-Jul-10	107.22	53.47
IW-1	25-Sep-08	1.60	163.28	17-Oct-08	6.05	158.83	20-Jan-09	0.00	164.88	1-Apr-09	15.00	149.88	21-Jul-09	0.46	164.42	28-Oct-09	2.57	162.31	22-Jan-10	4.44	160.44	24-Mar-10	5.25	159.63	24-Jun-10	5.20	159.68
IW-2	25-Sep-08	3.85	161.76	17-Oct-08	6.80	158.81	20-Jan-09	16.10	149.51	1-Apr-09	18.30	147.31	21-Jul-09	17.70	147.91	28-Oct-09	18.30	147.31	22-Jan-10	16.40	149.21	24-Mar-10	11.98	153.63	24-Jun-10	11.98	153.63
IW-3	25-Sep-08	1.62	164.64	17-Oct-08	10.55	155.71	20-Jan-09	4.70	161.56	1-Apr-09	10.77	155.49	21-Jul-09	9.20	157.06	28-Oct-09	4.70	161.56	22-Jan-10	104.50	61.76	24-Mar-10	5.30	160.96	24-Jun-10	5.30	160.96
IW-4	25-Sep-08	11.80	154.29	17-Oct-08	10.55	155.54	20-Jan-09	7.50	158.59	1-Apr-09	18.20	147.89	21-Jul-09	19.90	146.19	28-Oct-09	17.53	148.56	22-Jan-10	5.10	160.99	24-Mar-10	8.98	157.11	24-Jun-10	8.98	157.11
IG-1[j]																														
IG-3[j]																														
Well Transducer Readings at time of depth to water readings			IW-1	17-Oct-08		162.3	20-Jan-09		169.5	1-Apr-09		152.9	21-Jul-09		168.1	28-Oct-09		167.1	22-Jan-10		162.9	24-Mar-10		162.4	24-Jun-10		162.5
			IW-2	17-Oct-08		164.9	20-Jan-09		147.8	1-Apr-09		154.7	21-Jul-09		152.1	28-Oct-09		145.7	22-Jan-10		143.4	24-Mar-10		153.8	24-Jun-10		147.0
			IW-3	17-Oct-08		159.5	20-Jan-09		165.2	1-Apr-09		159.2	21-Jul-09		160.8	28-Oct-09		165.9	22-Jan-10		61.5	24-Mar-10		154.5	24-Jun-10		154.8
			IW-4	17-Oct-08		158.5	20-Jan-09		161.8	1-Apr-09		151.3	21-Jul-09		150.3	28-Oct-09		152.6	22-Jan-10		163	24-Mar-10		157.7	24-Jun-10		155.2

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

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

July 2010

DATE	TOTALIZER READING	GALLONS PER DAY	GALLONS PER MINUTE
7/1/2010	182368373	591627	411
7/2/2010	182960000	520000	361
7/3/2010	183480000	1730000	400
7/6/2010	185210000	560000	389
7/7/2010	185770000	560000	389
7/8/2010	186330000	560000	389
7/9/2010	186890000	1680000	389
7/12/2010	188570000	570000	396
7/13/2010	189140000	560000	389
7/14/2010	189700000	560000	389
7/15/2010	190260000	560000	389
7/16/2010	190820000	1680000	389
7/19/2010	192500000	550000	382
7/20/2010	193050000	540000	375
7/21/2010	193590000	550000	382
7/22/2010	194140000	560000	389
7/23/2010	194700000	1680000	389
7/26/2010	196380000	560000	389
7/27/2010	196940000	560000	389
7/28/2010	197500000	550000	382
7/29/2010	198050000	570000	396
7/30/2010	198620000	1091807	379
8/1/2010	199711807		
July 2010 TOTAL TREATED WATER		**17,343,434**	
July 2010 AVERAGE GALLONS PER MINUTE DISCHARGED			**389**

Table 15-1
Injection Well Soundings
Claremont Polychemical Superfund Site

	Injection Well 1		Injection Well 2		Injection Well 3		Injection Well 4	
Date	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
Change 6/17/04 to present		**104.00**		**7.40**		**4.30**		**7.00**
Change 6-04 through 2-06		1.00		2.81		4.01		1.02
*Injection wells IW-2 and IW-3 redeveloped during week ending 3/17/2006								
Change 3-06 thru 10/07		2.90		3.57		0.87		3.61
Injection wells IW-1 and IW-3 were redeveloped during week ending 11/9/07								
Change 11-07 thru 3/08		21.70		0.10		0.10		1.75
Injection wells IW-1 and IW-3 were redeveloped during week ending 4/25/08								
Change 4/08 to present		**78.00**		**0.92**		**0.70**		**0.98**

APPENDIX A

Project Status Reports

Project Status Report No. 37
Long Term Response Action (LTRA) Contract W912 DQ-07-D-0044-0001
Science Applications International Corporation
Date: July 26, 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 July 1, 2010 through July 25, 2010. This represents the thirty seventh status report under SAIC's Long Term Response Action (LTRA) contract W912 DQ-07-D-0044-0001.

Quantity of Water Treated

Approximately 14.0 million gallons of groundwater were treated during this 25 day period. This equates to 560,465 gallons per day of continuous water treatment at an average treatment rate of ~389 gallons per minute. This is well above the current daily treatment goal of 482,400 gpd, with the plant running continuously at approximately 335 gpm. The plant has not experienced downtime in this July period although a failure of influent pump #2 caused low flows and the injection pumps cycled off for 77 minutes.

General Activities and Events

This Reporting Period

- Site activities involved normal GWTP operations, maintenance and inspections.
- The failed pump motor for Extraction Well #1 was replaced and put back on line
- Representatives from the USEPA and NYSDEC were on site for a plant visit and to discuss the pending O&M transition.

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 Sound Level Monitoring Worksheet, (CPS-Form-015) was revised, (rev. F).
- The quarterly groundwater sampling documents were completed and submitted
- USEPA/USACE requested updated information on the plant's renewable energy usage. The Claremont GWTP is currently getting all of its electric power from renewable sources.

Upcoming

- Submit this July Progress Report with related documents.
- Submit July 2010 Monthly Operations Report, Maintenance Log and

supplementary documents.
- Compile documents requested by NYSDEC
- Complete updating the Groundwater Elevation and Water Quality Database.
- Complete documentation of quarterly Process Water sampling task

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.
- Continued to clean and paint process equipment.
- The permanganate chemical feed system was manually filled with water, but the system could not be activated.
- Sampling bladder pumps were rebuilt as needed.
- The motor-pump coupling on influent pump #2 failed. The motor was realigned to the pump and the coupling replaced. The system was put back on-line.
- Landscaping tasks continued. The monitoring well areas were addressed as access was needed for sampling tasks.

Upcoming

- Ongoing routine operations and maintenance tasks. (high priority)
- Set up dedicated well pumps for GW sampling. (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 quarterly GW sampling task was completed July 15 with organic samples shipped to DESA Lab.
- The plant discharge was sampled for temperature and pH on 4 occasions.
- Depth to water readings were recorded for the monitoring wells.

- The bladder pumps were cleaned, tested, and decontaminated.
- The analytical data from the June PD organic samples was received.
- An ASR was submitted for the August PD samples.
- The quarterly PW sampling task will be completed July 26. Organic and inorganic samples will be shipped to DESA lab and the generic samples to ALSI.

Upcoming

- Complete the August PD sampling tasks including documentation.
- Submit ASR and schedule the September PD sampling task.

Database Development and Modeling

This Reporting Period

- No database development or modeling work conducted this period.

Upcoming

- Contact NYSDEC regarding analytical data from newly installed monitoring wells.
- Finalize the groundwater modeling report.
- Use the recalibrated groundwater flow model and related Plume Finder algorithm of the fate and transport model to identify the optimal location of additional groundwater monitoring wells to be installed to delineate the eastern-most edge of the contaminant plume.
- Determine the ability of the current extraction well field and treatment plant to capture and treat the entire groundwater plume.
- Use the model to determine the relative contribution to the Claremont groundwater contaminant plume of additional water and dissolved chemicals from the suspected up-gradient source.

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

- NYSDEC along with USEPA visited site for update on the GWTP operation and items related to the transition of the O&M to the state.

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 issues to note.

Miscellaneous Issues or Problems Encountered

- None

Upcoming

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

General Activities Schedule

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

APPENDIX B

Daily Quality Control Reports (DQCRs)

CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

JULY 2010

VISITOR/SUBCONTRACTOR LOG

DATE	NAME	SIGNATURE	COMPANY	IN	OUT
7-7-10	VALERIE EGAN		NCDPW	12:45	1:00
7-7-10	Don Castagna	DCastagna	Ken Mar	3:00	3:20
7/12/10	Rob Alvey	Robert Alvey	EPA	9:50	
7/12/10	Cecilia Echols	Cecilia Echols	EPA	10:05	
7/12/10	Maria Jon	MJ	EPA	10:05	
7/12/10	Payson Long	Payson Long	DEC	11:00	13:50
7-12-10	Gary Pratt	Gary Pratt	DEC	11:00	13:50
7/12/10	Bin Feng	Bin Feng	DEC	11:00	13:50
7/12/10	GERALD J. RIDER JR	Gerald Rider	DEC	11:00	13:50
7-14-10	Don Castagna	DCastagna	Ken Mar	11:15	11:20
7-15-10	Sherwen-Blair		USACE	2:15	2:45
	VALERIE EGAN		NC DPW	9:30	11:30
7-[illegible]-10	DIN NENG		TOB LAB	1:00	
7-24-10	Vincent		Dell Roof	3:00	3:30
7-26-10	Joe Giordano	J Giordano	Plainview Fd	10:10	1045
7-30-10	Vincent Dell		Dell Roof	2:15	3:0

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: 07-01-10

Weather Forecast (am): Mostly sunny and cooler. Temps are to range 64-78-59°F. Wind is 9-13 mph from NW. Relative humidity is 60>40% with no precipitation expected.

Total Volume Processed for Day: 558,285 **gallons**

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

Reason for Downtime:
No downtime to report.

Significant Operational Problems:
The pump for extraction well #1 remains out of service

Corrective Maintenance Performed:
Plant wide cleaning and painting continues
Outdoor rubbish policed

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 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 is running without incident. Influent flows are at ~370 gpm. Plant discharge flow was 388 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, July 2, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: [illegible] Jackson Day: Thursday Date: 7-01-10 Time: 0538

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
184	[illegible]	[illegible]

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
387	0	18236

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	310057	10					62274
EW-2	2116725	267900					55530
EW-3	222[illegible]	272220					59886

Injection Wells	Water Level ft AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	182.7	95	2275004	Cool morning, Temp 63°
IW-2	109.5	98	2471805	PLANT IS RUNNING FINE
IW-3	58.7	112	2368359	
IW-4	154.3	79	2279493	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	72843	NM	2	12	
INF 2	71829		2	10	
INF 3	27051		SB	SB	STAND-BY
ASF 1	30930		0	32	
ASF 2	47777		0	31	
ASF 3	44479		SB	SB	STAND-BY
GAC 1	42256		3	17	
GAC 2	116817		3	15	
GAC 3	32060		SB	SB	STAND-BY
REC 1	21933		Off	Off	
REC 2	20740		Off	Off	
INJ 1	13029		6	27	
INJ 2	36950		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—		—	—	
BLOWER	—		—	—	

	INLET	OUTLET
GAC #1 (PSI)	9	8
GAC #2 (PSI)	10	12
AIR DRIER (PSI)	70	72

AS Blower (H_2O")	4.7	—
Air Temp (°F)	57°	57°
Water Temp (°F)	16°C	—
V-GAC #1 (H_2O")	2.45	1.00
V-GAC #2 (H_2O")	6C	6C

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	4.75	
Reactor Tank 2	4.74	
AS. Feed	5.99	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)	Measurement 1	Measurement 2
	AM	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 7-2-10

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

OPERATOR: Q Jackson DATE: 7-01-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) - Cool morning, Temp = 63°	
2)	
3) - The Daily Operations Log Completed	
4)	
5) - Containment floor Painted	
6)	
7) - Polymer Pumps Cleaned	
8)	
9) - Conduit Pipes Painted	
10)	
11) - Containment Top Painted	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) - Hydro Chloric Containment Top Painted	
2)	
3)	
4)	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

7-2-10

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: 07-02-10

Weather Forecast (am): Mostly sunny and cooler. Temps are to range from 65-80-65°F. Winds are 8-11-8 from NNW. Relative humidity is 50% with no precipitation expected.

Total Volume Processed for Day 553,028 **gallons**

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
Pump for extraction well #1 is down

Corrective Maintenance Performed:
Plant clean up and preparations for long Holiday weekend

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 samples taken or tests performed.

Available Analytical Results
No new data received.

Calibration Procedures Performed:
No calibrations required

General Remarks:
The plant continues to run steady. The pump for extraction well #1 remains off. Plant effluent flow for the period averaged 385 gpm. Flow out of the plant remains full open but pumps continue to underperform. IW levels are high but steady

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

Plant Manager Signature: Peter Takach, July 7, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: J. Jackson Day: Friday Date: 7-02-10 Time: 0545

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
354	0	19293

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	3749418	10					62274
EW-2	2469941	263340					55554
EW-3	2722758	278089					59910

Injection Wells	Water Level ft AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.8	95	27866141	Another cool morning
IW-2	160.6	93	24900611	Temp @ 61°.
IW-3	154.7	112	23841196	
IW-4	150.7	51	7291130	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	72567	NM	3	9	
INF 2	71852		3	10	
INF 3	27057		SB	SB	STAND - BY
ASF 1	39954		0	31	
ASF 2	47801		0	32	
ASF 3	41179		SB	SB	STAND - BY
GAC 1	43274		3	17	
GAC 2	116670		2	15	
GAC 3	32060		SB	SB	STAND - BY
REC 1	21933				
REC 2	20740				
INJ 1	63052		6	27	
INJ 2	37004		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—				
BLOWER	—	V			

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

AS Blower (H2O)	11.7"	
Air Temp (°F)	57°	57°
Water Temp (°F)	11.9°	
V-GAC #1 (H2O)	7.15	1.00
V-GAC #2 (H2O)	OK	OK

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	4.75	
Reactor Tank 2	11.19	
AS. Feed	6.61	
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: Date 7-7-10

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

OPERATOR: J JACKSON DATE: 7-02-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• COOL MORNING TEMPS	68°
2)		
3)	• THE DAILY OPERATORS LOG WAS COMPLETED	
4)		
5)	• THE HORIBA WAS PUT TO THE TEST AND A	
6)	SENSOR MISSING	
7)		
8)	• WENT HOME DUE TO NOT HAVING MEDICATION	
9)		
10)	• WILL MAKE UP TIME TO MORROW	
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. Pikul 7-7-10

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

DATE: 7-02-10

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	✓	✓	OL
TREATED WATER	✓	✓	OL
REACTORS	✓	✓	OL
CLARIFIERS	✓	✓	OL
SAND FILTERS	✓	✓	OL
CARBON VESSELS (liq)	✓	✓	OL

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

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

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

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

Notes and Comments:

SIGNED: [signature]

DATE: 7-7-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: 2-02-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	715	OPS	1135	FOOD
JAMES S. JACKSON	J Jackson	0535	OPS	0800	Home
RICHARD C. CRONCE		RCT	2:05		

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: Saturday
Date: 07-03-10

Weather Forecast (am): Mostly sunny and warmer. Temps are to range from 67-85-68^{O}F. Winds are 6 mph from WNW- west. Relative humidity is 45-60% with no precipitation expected.
Sun.: Sunny and hot, 71-91-72^{0}F, wind at 9-6 mph from west-NW, RH at 50-58%, no rain expected
Mon.: Sunny and hot, 72-91-74^{0}F, winds 8-4 mph from SSE, RH at 50-60%, no rain expected.

Total Volume Processed for 3-day period (07/3 thru 07/6) 1,693,542 **gallons**

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
None

Corrective Maintenance Performed:
Painting tasks

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 samples taken or tests performed

Available Analytical Results
No new data received.

Calibration Procedures Performed:
No calibrations required

General Remarks:
The plant continues to run steady. The pump for extraction well #1 remains off. Plant effluent flow for the period averaged 389 gpm. IW levels are high but steady.

James Jackson (JSJ) was in to make up time.

Plant Manager Signature: Peter Takach, July 6, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: J. Jackson Day: SATURDAY Date: 7-03-10 Time: 0531

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
185	185	570

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
389	0	18348

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	349041	10					62274
EW-2	247254	263720					55576
EW-3	223022	271870					58932

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.5	95	2902436	COOL MORNING
IW-2	150.7	83	2503222	
IW-3	151.5	112	2400427	
IW-4	151.7	80	2302633	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	72890	NM			
INF 2	71876				
INF 3	27051		SB	SB	STAND-BY
ASF 1	39427		0	33	
ASF 2	47829		30	32	
ASF 3	41179		SB	SB	STAND-BY
GAC 1	43247		2	16	
GAC 2	40643		2	15	
GAC 3	32060		SB	SB	STAND-BY
REC 1	21433		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	163076		6	27	
INJ 2	32021		8	27	
INJ 3	=		NIS	NIS	NOT IN SERVICE
SUMP	=				
BLOWER	=	V			

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

AS Blower (H2O)	4.5	=
Air Temp (°F)	57°	57°
Water Temp (°F)	17°	=
V-GAC #1 (H2O)	2.45	1.00
V-GAC #2 (H2O)	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	4.75	
Reactor Tank 2	4.79	
AS. Feed	5.95	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

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

Additional comments:

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

Supervisors Signature: Peter Neal Date 7-6-10

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

OPERATOR: J JACKSON DATE: 7-03-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• COOL MORNING	
2)		
3)	• THE PLANT IS RUNNING FINE	
4)		
5)	• IN TO MAKE UP TIME FOR YESTERDAY	
6)		
7)	• THE DAILY OPERATIONS LOG WAS DONE	
8)		
9)	• BEGAN PUTTING WATER INTO THE PERMANENT	
10)	TANK - FINISH PUTTING WATER IN TANK	
11)		

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• TRIED TO TOUCH-UP RUST SPOT ON EQ TANK	
2)	PAINT WAS TOO DRY.	
3)		
4)		
5)		
6)		
7)		
8)		
9)		
10)		
11)		

	IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)	

P Pickal 7-6-10

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

DATE: 7-03-10

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	–	–	OK	TANK FILLED With WATER
HYDROCHLORIC ACID	–	–	–	

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

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

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

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

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

Notes and Comments:

SIGNED: [redacted] 7-6-10 DATE: _____

SAIC

EMPLOYEE SIGN IN SHEET

DATE: 7-03-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH					
JAMES S. JACKSON	Jackson	0515	Make up Time	1020	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: Tuesday
Date: 07-06-10

Weather Forecast (am): Sunny and hot. Temperatures are to range from 82-97-77°F. Wind will be from the NNW-WSW at 4-8-5 mph. Relative humidity is 40-45%. Rain is not expected.

Total Volume Discharged for Day: 561,169 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:
Tested bladder pumps
Decontaminated bladder pumps

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:
Monitoring well water level readings
Plant air monitoring
Plant Discharge pH and temperature readings

Available Analytical Results:
No new data is available.

Calibration Procedures Performed:
Lab pH meter and PID were calibrated. Calibrations logged in.
Calibrated process pH meters

General Remarks:
Plant ran well throughout the period. Plant effluent flows are up and holding steady and averaged 389 gpm for the day. Influent flow is at 370 gpm.

End of month documentation continues. Quarterly sampling preparations are underway.

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

Plant Manager Signature: Peter Takach, July 7, 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: Tuesday Date: 7-06-10 Time: 0546

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
859	0	19517

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	519442	10	0	10	10		62274
EW-2	2858036	262490	263420	263720	263720		55605
EW-3	223839	271940	272000	271960	271870		60000

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	112.8	95	2643609	WARM MORNING TEMP @ 84°
IW-2	151.6	94	2543249	PLANT IS RUNNING FINE
IW-3	150.9	112	2116826	
IW-4	155.4	81	1337272	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
NF 1	72960	NM	3	9	
NF 2	71946		SB	SB	
NF 3	27057		SB	SB	STAND-BY
SF 1	40026		0	33	
SF 2	37895		0	32	
SF 3	41179		SB	SB	STAND-BY
AC 1	113368		3	17	
AC 2	116964		3	15	
AC 3	32060		SB	SB	STAND-BY
EC 1	21933				
EC 2	20740				
J 1	3146		6	27	
J 2	31097		4	27	
J 3	—		NIS	NIS	NOT IN SERVICE
MP	—				
OWER	—				

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

lower (H_2O)	0.7	—
emp (°F)	56.3	56°
Temp (°F)	16°C	—
C #1 (H_2O)	2.45	1.60
C #2 (H_2O)	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	4.74	527 15°C
Reactor Tank 2	4.75	5.40 15°C
AS. Feed	5.40	5.76 11°C
PLANT DISCHARGE - pH		5.91
PLANT DISCHARGE - Temp.		19°C

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

ional comments:

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

sors Signature: Peter Kail Date 7-7-10

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

OPERATOR: JJackson DATE: 7-06-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • Another MORNING, TEMP 66°	
2)	
3) • the Operator Log Was Completed	
4)	
5) • Portions of the WELL Water Levels WERE TAKEN	
6)	
7) • Calls made to Jeffery Sivsky about RENTING	
8) a Horiba	
9)	
10) • PVC-1 WAS TESTED, FOUND TO Work FINE	
11) • PVC-2 WAS TESTED, WORKS FINE	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • PVC-3 Works FINE	
2) • PVC-4 Works FINE	
3) • SS-316-1 TESTED, WORKS FINE	
4) • SS-316-NEW PUMP TESTED Works Good	
5)	
6) AIR MONITORING	
7)	
8) PD READINGS	
9)	
10) pH CALIBRATION	
11) PID METER CALIBRATION	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

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

DATE: 7-06-10

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

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
POLYMER	–	–	–	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	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: P Wall 7-7-10 **DATE:**

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE

EMPLOYEE SIGN IN SHEET

TUE

DATE: 7-26-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P.Takach	725	O&M	1600	—
JAMES S. JACKSON	J Jackson	0528	CPS	1338	Home
RICHARD C. CRONCE		PCI			

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: 07-07-10

Weather Forecast (am): Mostly sunny, hot, and hazy. Temperatures are to range from 87-92-73°F. Wind at 8-10-8 mph from the north- SE. Relative humidity is 50-70%. There is a chance of t-storm activity.

Total Volume Discharged for Day: 560,779 gallons

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

Reason for Downtime:
No downtime to report

Significant Operational Problems:
None, although pump for extraction well #1 is down

Corrective Maintenance Performed:
Cleaned and adjusted process pH electrodes

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:
Process pH meters were calibrated
Horiba water quality multimeter was calibrated

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 389 gpm.

Preparations continue for sampling events

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

Plant Manager Signature: Peter Takach, July 8, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: C. Jackson Day: Wednesday Date: 7-07-10 Time: 0633

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
155	215	370

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
369	0	16573

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	344917	0					122724
EW-2	248294	261330					55168
EW-3	224159	271810					60021

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.8	95	2857565	Slightly Cooler this Morning
IW-2	151.7	94	2551659	Plant is Running Fine
IW-3	154.9	111	2460672	
IW-4	155.4	60	2348743	Some Water Levels Taken

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	72984	NM	3	9	
INF 2	21950		SB	SB	Stand-By
INF 3	20077		3	12	
ASF 1	46071		0	32	
ASF 2	47899		SB	SB	Stand-By
ASF 3	41198		0	30	
GAC 1	43391		4	16	
GAC 2	46968		SB	SB	Stand-By
GAC 3	32074		4	17	
REC 1	21933		OFF	OFF	
REC 2	20140		OFF	OFF	
INJ 1	18176		6	27	
INJ 2	37121		8	27	
INJ 3	=		NIS	NIS	Not in Service
SUMP	=		=	=	
BLOWER	=	V	=	=	

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

AS Blower (H2O")	4.7	=
Air Temp (°F)	59°	59°
Water Temp (°F)	18°C	=
P-GAC #1 (H2O")	215	1.00
P-GAC #2 (H2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	4.74	
Reactor Tank 2	4.76	
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. Wall Date 7-8-10

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

OPERATOR: JJackson DATE: 7-07-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
• the Daily Operators Log was done	
• the Remaining Monitoring Well, Water Levels were done.	
• Call made to Vanessa for, Metals, VOAs, & Costody Seals	
• Sample Bottles were set up for Tomorrow	
• General Welding Dropped off Gas Bottles	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
of Nitergen	
• Sampling equipment was Cathreed, for Tomorrow event.	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

D Ickal 7-8-10

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

DATE: 7-07-10

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

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

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

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

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	OL
AFTER COOLER	OL
AIR DRIER	OL
MOTOR & COMPRESSOR	OL

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

Notes and Comments:

SIGNED: [signature] 7-8-10 DATE: _____

SAIC

EMPLOYEE SIGN IN SHEET

DATE: 7-02-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	730	O&M	1555	/
JAMES S. JACKSON	J. Jackson	0526	ODS	1335	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: 07-08-10

Weather Forecast (am): Cloudy, hot, and humid. Temperatures should range from 75-85-72°F. Wind will be 6-11-9 mph from the ENE-SE. Relative humidity is 65-70%. There is a chance for rain.

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 tubing lines for V-GAC magnehelic gauges

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

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

Record of any tests performed, samples taken, and personnel involved:
Day one of quarterly groundwater sampling task

Available Analytical Results:
No new results available.

Calibration Procedures Performed:
Horiba water quality multimeter was calibrated and logged in.

General Remarks:
The plant has been stable and the flows were steady at 370 gpm in and 389 gpm out. Average plant discharge flow for the day was 391 gpm

Day one of GW sampling went smoothly with 6 well sampled. Continue to have problems with the recently repaired Horiba.

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

Operator: TAKACH Day: THURSDAY Date: 7-8-10 Time: 8PM

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
389	NM	186336 725

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	314447	10	\	\	\	\	62274
EW-2	248579	261680	\	\	\	\	55693
EW-3	224408	271820					60049

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.8	95.8	28721041	
IW-2	151.7	93.9	25714650	
IW-3	154.9	112.6	24823685	
IW-4	155.5	79.8	23613 371	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	73009	NM	2.5	10.5	
INF 2	71950		OL	—	
INF 3	27102		2.5	11.5	
ASF 1	40097		0.0	31	
ASF 2	47899		OL	—	
ASF 3	41224		0	30	
GAC 1	43407		0.5	16.0	
GAC 2	46968		OL	—	
GAC 3	32105		0.5	16.5	
REC 1	21933		SB	—	
REC 2	20745		SB	—	
INJ 1	63195		7.0	27.5	
INJ 2	37146		8.0	27.5	
INJ 3	NIS		NIS	—	
SUMP	—		NM		
BLOWER	12881		NM		

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

AS Blower (H_2O")	4.5	—
Air Temp (°F)	58	59
Water Temp (°F)	—	70
V-GAC #1 (H_2O")	2.5	0.8
V-GAC #2 (H_2O")	OL	—

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	4.83	NM
Reactor Tank 2	4.82	\
AS. Feed	5.90	\
PLANT DISCHARGE - pH		\
PLANT DISCHARGE - Temp.		↓

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

Additional comments:

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

Supervisors Signature: P. Takach Date 7-9-10

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

OPERATOR: J. JACKSON DATE: 7-08-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • 1ST DAY OF Sampling	
2)	
3) • ERROR 7 With SITE HORIBA \ USED E&S HORIBA NO	
4) Problem	
5)	
6) • TRIP BLANK TAKEN	
7)	
8) • AT EW-2A, WELL IS NOT PUMPING WELL, ADJUST	
9) MENT made to the Control Change & exhaust time - (PUMP	
10) NEED WORK)	
11) • Cloudy morning, rain earlier, High Humitity	

LISTING OF MAINTENANCE ACTIVITIES.	EQUIPMENT/MATERIALS USED
) • AT EW-1A - the HUMITITY is on the RISE, NO Problems	
) AT WELL - QC TAKEN - 6 VOAS \ 2 VOAS (TOB)	
)	
• AT EW-1B - NO Problems, Samples TAKEN - 3 VOAS \ 2 VOAS	
(TOB)	
• AT EW-1C - NO Problems at WELL - Samples TAKEN - 3 VOAS \	
2 VOAS (TOB)	
• AT SW-1 WELL - NO Problems, WELL Works Well,	
) • Note: Horiba - Recalibrated because of Low TEMP	
) Reading	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
• AT DW-1, No Problems - Samples TAKEN

P. Pekl 7-9-10

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

DATE: 7-8-10

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

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
POLYMER				OFF LINE HOLDS WATER
CAUSTIC				
POTASSIUM PERMANGANATE				
HYDROCHLORIC ACID				

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

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	✓	✓		OK
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 PUDDLES ON FLOOR
SHARP EDGES	✓
PINCH POINTS	✓
OTHER HAZARDS	✓

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

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

Notes and Comments:

SIGNED: D. Thiel DATE: 7-9-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE

EMPLOYEE SIGN IN SHEET

Thurs

DATE: 7.08.10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	PETakach	725	O&M	1600	
JAMES S. JACKSON	JSJackson	0523	OPS	1600	Home
RICHARD C. CRONCE	Per				

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: 07-09-10

Weather Forecast (am): Partly sunny, hot, and humid. Temperatures are to range from 77-84-73°F. Winds are from the ESE-SSE at 5-11-10 mph. Relative humidity at 70-80% with the chance of afternoon rain and T-storms.
Saturday –Sunny & hot, temps at 75-83-71°F, wind 9-10 from SSW, RH at 75%, afternoon rain.
Sunday – Sunny & hot, temps at 73-85-73°F, wind at 10>5 from west, RH at 65%, rain possible.

Total Volume Processed for 3-day period (7/9 thru 7/12): 1,682,727 gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
None
Day 2 of groundwater sampling

Corrective Maintenance Performed:
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 found.

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

Available Analytical Results
No new data available

Calibration Procedures Performed:
Calibrated and adjusted sound level meter
Horiba multimeter was calibrated

General Remarks:
Plant is steady and stable. Plant influent water (2 of 3 Extraction Well pumps online) is at 270 gpm effluent water at 390 gpm.

The groundwater sampling task is proceeding without problems

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

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

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: TAKACH Day: FRIDAY Date: 7-9-10 Time: 7:45

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
389	NM	18689 0721

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	314447	0	\	\	\	NM	62274
EW-2	248837	269250	\	\	\		55716
EW-3	224677	278700	\	\	\		60072

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.8	94.3	268 6 3950	
IW-2	151.9	95.4	25848680	
IW-3	154.9	112.0	24983924	
IW-4	155.7	78.9	23727285	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges		COMMENTS
			Suction Side PSI	Discharge Side PSI	
INF 1	73033	NM	2	10	
INF 2	71950		OL	—	
INF 3	27126		2.5	11.5	
ASF 1	40120		0	31	
ASF 2	47899		OL	—	
ASF 3	41247		0	30	
GAC 1	43440		0.5	16	
GAC 2	46968		OL	—	
GAC 3	32128		0.5	16.5	
REC 1	21933		SB	—	
REC 2	20740		SB	—	
INJ 1	63218		7	27.5	
INJ 2	37170		9	27.5	
INJ 3	OL		OL	—	
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)		69
V-GAC #1 (H_2O")	2.5	0.8
V-GAC #2 (H_2O")	OL	—

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	4.84	NM
Reactor Tank 2	4.82	
AS. Feed	5.90	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

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

Additional comments: 500 GPM @ 44 PSI

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

Supervisors Signature: [signature] Date 7-12-10

CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J JACKSON DATE: 7-09-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • PLANT HORIBA WAS Calibrated	
2)	
3) • AT EW-3A WELL, the MOSQUITOS WERE HEAVY	
4) AT WELL, the WELL TOOK A while to Pump,	
5) but PUMPED FINE, NO Problems, Samples	
6) WERE TAKEN - 3VOAS \ 2 VOA FOR (T.O.B)	
7)	
8) • OVER TO EW-3B, the WELL PUMPED rather	
9) QUICKLY, CONTINUED without A Problem,	
10) Samples TAKEN - 3VOAS \ 2VOA FOR (TOB)	
11)	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • OVER TO EW-3C Still battleing with the	
2) MOSQUITOS, the Application of "OFF" REALLY	
3) HELPS - this WELL NEEDED AN INCREASE	
4) IN PRESSURE - After INCREASE W/ELL PUMPED	
5) FINE Samples TAKEN 3VOAS \ 2VOAS for (TOB)	
6)	
7) • AT EW-4A - WELL IS PUMPING FINE, NO Problems, Samples	
8) TAKEN - 3VOAS	
9) • AT EW-4B - Again the WELL is Pumping FINE - Samples TAKEN	
10) 3VOAS	
11) • OVER TO EW-4C - NO Problems Samples TAKEN - 3VOAS	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

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

DATE: July 9, 2010

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	OK	OK	OK	N/S HOLDS WATER
CAUSTIC	OK	OK	OK	" " "
POTASSIUM PERMANGANATE	LEAK AT	DRAIN	FLANGE	" " "
HYDROCHLORIC ACID	OK	OK	OK	" " "

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	PLANT WIDE CONDENSATION ON FLOORS
SHARP EDGES	—
PINCH POINTS	—
OTHER HAZARDS	OK

Compressor	General Conditions and Comments
TANK	OPERATING
AFTER COOLER	✓
AIR DRIER	✓
MOTOR & COMPRESSOR	✓

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

es and Comments:

GENERALLY HOT & HUMID

BUGS

OUT DOOR OBJECTS - HOT TO TOUCH

VED: [signature] 7-12-10 DATE: ______

No.: CPS-Form-009

August 22, 2007
Rev.: C

Operations and Maintenance Document

SOUND MONITORING WORK SHEET

Day	FRIDAY
Date	7-9-10
Instrument ID	GREEN LEE 93-20 #310
Battery Check	OK
Calibration Check	ADJ TO 7.0
Inspector	TARACH

Office Area	60 - 62	PLANT DOOR OPEN
HVAC Mezzanine	NM	
Clarifier Mezzanine	72-80	
Injection Pumps (at motors)	76-78	
AS Feed Pumps (at Motors)	94-96 *	* P3, P1 ON
Air Compressor Station	OFF LINE	
Air Stripper Tower Area	68-72	
AST Blower	82-86 *	
Paved Area	60-64	
Shop	72-74	

NM NOT MEASURED

Comments and Observations:
NEW ASF P3 CHECKED - HIGH PITCH WHINE
PBN

F721

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE

EMPLOYEE SIGN IN SHEET

DATE: 7-09-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	720	OPS	1545	
JAMES S. JACKSON	J Jackson	0518	OPS	1307	Home
RICHARD C. CRONCE					

PCN

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

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

Day: Monday
Date: 07-12-10

Weather Forecast (am): Hot, hazy, and humid. Temperatures are to range from 77-87-73°F. Wind is 4-13-10 mph from the SSE.. Relative humidity is 50-60% and no rain is expected.

Total Volume Processed for Day: 562,192 gallons

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

Reason for Downtime:
No downtime to report.

Significant Operational Problems:
Extraction well 1 is off due to a failed pump.
Groundwater sampling

Corrective Maintenance Performed:
Landscaping tasks
Clean and calibrate ph meters

Verbal/Written Instruction from Government Personnel:
USEPA and NYSDEC reps on site for plant visit and operations transition discussion

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.
Groundwater sampling day 3

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
Horiba (2) multi-meters were calibrated and logged in

General Remarks:

The plant operation has continued in a stable condition. Plant influent flows are at 370 gpm. The average plant discharge for the day was 390 gpm. The Injection wells levels are steady.

Ground water sampling continued with out problems.

Representatives from the USEPA (Maria Jon, Cecilia Echols, and Robert Alvy) and NYSDEC (Jerry Pratt, Payson Long, Gerald Rider, and Ben Ring) were on-site to tour the facility and see the plant operation. Also discussed were Claremont's history, its treatment design, future engineering tasks and the transition of the plant O&M.

James Jackson and Peter Takach were on-site.

Bart Sattler was up to assist with the sampling tasks
Dick Cronce was up for the US EPA/NYSDEC meeting

Plant Manager Signature: Peter Takach, July 13, 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

Operator: TAKACH Day: MONDAY Date: 7-12-10 Time: 7:45

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
390	NM	18857 @ 7:14

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	314447	0	0	10	0	NM	62274
EW-2	249619	~~149210~~	263290	262720	269250	|	55784
EW-3	225490	263410 271662	271630	271500	278700	|	60140

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.8	95.4	29277458	
IW-2	152.3	91.3	26247802	
IW-3	155.0	117.2	25467655	
IW-4	156.3	79.1	24069361	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73103	NM	1.5	10.5	
INF 2	71950		OL	—	
INF 3	27196		2.0	11.0	
ASF 1	40190		0	30	
ASF 2	47899		OL	—	
ASF 3	41318		0	30	
GAC 1	43510		0.5	16	
GAC 2	46968		OL	—	
GAC 3	32199		1	17	
REC 1	21933		SB	—	
REC 2	20740		SB	—	
INJ 1	63289		7	27	
INJ 2	37420		9	27	
INJ 3	NIS		NIS	—	
SUMP	—		—	—	
BLOWER	129776	↓	—	—	

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

AS Blower (H_2O")	4.5	
Air Temp (°F)	58	58
Water Temp (°F)		68
V-GAC #1 (H_2O")	2.60	0.70
V-GAC #2 (H_2O")	OL	—

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	4.84	
Reactor Tank 2	4.85	
AS. Feed	5.90	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

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

Additional comments:

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

Supervisors Signature: D. Takach Date 7-13-10

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

OPERATOR: Jackson DATE: 7-12-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
• E&E Horiba was Calibrated	
• Some Plant Cleaning this Morning	
• Hazy, Humid this Morning	
• Dick Cronce on Site - DEC Scheduled to show up this Morning	
• 1st Well - LF02 has new lock - had to get Key No Problem at Well, Sample Taken - 3 VOAs	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
• Over to BP-3A - Poison Ivy @ Well - No Problem at Well, Sample Taken - 3 VOAs	12V
• At BP-3C Well, Well is a 2" Well, No Problems at Well, Sample Taken	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

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

DATE: 7-12-10

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	NO	LEAK		NIS HOLDS WATER
CAUSTIC				NIS HOLDS WATER
POTASSIUM PERMANGANATE				NIS HOLDS WATER
HYDROCHLORIC ACID				NIS HOLDS WATER

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

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

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	RUNTW. OF CONDENSATION
SHARP EDGES	✓
PINCH POINTS	✓
OTHER HAZARDS	✓

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

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

Notes and Comments:

OK

SIGNED: P. Rhodes 7-13-10 DATE: _____

AIR MONITORING LOG
CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler JKACH Date 7-12-10

Calibration Standard(s) ZERO AIR 100 ppm ISOBUTYLENE

Post-cal Readings 100 | 0

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	—
	#2 Effluent	—

Comments:

OK

SAIC

CLEARMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

MON
DATE: 7/12/10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	705	OPS	1600	
JAMES S. JACKSON	J Jackson	0530	Operator	1430	Home
RICHARD C. CRONCE	Richard Cronce	07:20	Visit	2:15	Harrisburg, PA
Bart Sattler	Bart Sattler	0530	GW Sampling	1545	
	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: 07-13-10

Weather Forecast (am): Hazy, hot, and humid. Temperatures are expected to range from 77-84-75°F. Wind will be 6-14-10 mph from the SSE. Relative humidity is 75-80% with scattered T-storms expected.

Total Volume Processed for Day: 560,779 gallons

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

Reason for Downtime:
No downtime required
Groundwater sampling tasks

Significant Operational Problems:
Pump for Extraction Well # 1 remains off

Corrective Maintenance Performed:
Landscaping tasks
Sampling pump repairs

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:
Day Four of quarterly groundwater sampling task

Available Analytical Results:
No new data available.

Calibration Procedures Performed:
2 Horiba water quality multi-meters were calibrated

General Remarks:
Plant continues to run in a steady fashion. The injection well levels are high. Flows into and out of the plant remain steady at 370 gpm and 389 respectively. Plant discharge averaged 389 gpm for the day.

Groundwater sampling tasks were completed for the first organic shipment. Samples were sent to DESA Lab.

Peter Takach (PET) and James Jackson (JSJ) were on site.
Bart Sattler was on-site to assist with the sampling event.

Plant Manager Signature: Peter Takach, July 14, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

Operator: TAKACH Day: TUESDAY Date: 7-13-10 Time: 7 55

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
339	NA	~~1819~~ @ 7 34 18914

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	314447	10	\	\	\	NM	62274
EW-2	249882	263710					55807
EW-3	225764	271850					60163

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.7	96.7	29416545	
IW-2	152.7	91.7	26385946	
IW-3	155.0	112.5	28630441	
IW-4	156.3	79.1	24184326	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73127	NM	1.5	10.5	
INF 2	71950		OL	—	
INF 3	27220		2.5	11.5	
ASF 1	40214		0	30.5	
ASF 2	47899		OL	—	
ASF 3	41341		0	30	
GAC 1	43534		0.5	16	
GAC 2	46968		OL	—	
GAC 3	32222		1	17	
REC 1	21933		SB	—	
REC 2	20740		SB	—	
INJ 1	63312		7	27.5	
INJ 2	37264		9	27	
INJ 3	NIS		NIS	—	
SUMP	—		—	—	
BLOWER	13000	↓	—	—	

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

AS Blower (H_2O")	4.4	
Air Temp (°F)	59	59
Water Temp (°F)		69
GAC #1 (H_2O")	2.6	0.3
GAC #2 (H_2O")	OL	—

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	4.86	
Reactor Tank 2	4.85	
AS. Feed	5.90	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

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

Additional comments:
DUCT Hose Clamp Loose on V-GAC#1 inboard
Lower Belts Loose

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

Supervisors Signature: [signature] Date 7-14-10

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

OPERATOR: J JACKSON DATE: 7-13-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• E2'S HORIBA W/AS CALIBRATED	
2)	• EW-2B - NOT PUMPING WELL - SAMPLES TAKEN - 3VOA 2VOA TO	
3)	• AT BW-2 WELL AS ALWAYS THIS WELL PUMPED	
4)	QUICKLY, NO PROBLEMS, SAMPLES AT WELL	
5)	3VOAS	
6)		
7)	• EW-5 IS NORMALLY A DIFFICULT WELL, THIS TIME	
8)	IT BEGAN TO PUMP WITH LESS DIFFICULTY, THE	
9)	PSI HAD TO BE INCREASED - BEGAN TO FLOW	
10)	BETTER, SAMPLES TAKEN - 3VOAS	
11)		

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• DOWN TO DW-1 - HOT DAY, WELL BEGAN	
2)	PUMPING FINE, NO PROBLEMS, SAMPLES TAKEN/	
3)	3VOAS	
4)		
5)	• NEXT TO DW-1 WELL, THESE TWO WELL HAVE	
6)	A HISTORY OF PLUGGING WELL, TODAY WAS NO EX	
7)	CEPTION - NO PROBLEMS SAMPLES TAKEN. 3VOAS	
8)		
9)	• BACK TO PLANT, TO PACKAGE & SHIP SAMPLES	
10)		
11)		

	IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)	

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

DATE: 7-13-10

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

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
POLYMER	NO	LEAKS		NIS HOUSE WATER
CAUSTIC	NO	LEAKS		
POTASSIUM PERMANGANATE	NO	LEAKS		
HYDROCHLORIC ACID	LEAK AT DRAIN FUNGE			

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	PUDDLES OF CONDENSATION
SHARP EDGES	OK
PINCH POINTS	OK
OTHER HAZARDS	OK

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

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

Notes and Comments:

SIGNED: [signature] 7-14-10 DATE: _____

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

TUE
DATE: 7-13-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH		720	ORS	1530	
JAMES S. JACKSON		0530	ORS.	1300	
RICHARD C. CRONCE					
Bart Sattler		0545	GW Sampling	1330	

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

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

Day: Wednesday
Date: 07-14-10

Weather Forecast (am): Raining and hot. Temperatures are to range from 75-85-73 ^{O}F. Wind will be at 5 from the WNW-NNW-NE. Relative humidity is 80% with rain expected all day.

Total Gallons Processed for the day: 565,102 gallons

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

Reason for Downtime:
No downtime to report

Significant Operational Problems:
Groundwater sampling
Extraction Well 1 is off

Corrective Maintenance Performed:
Outdoor landscaping work continued
The process pH electrodes were cleaned, calibrated, and adjusted
Sampling pump PVC-3 was rebuilt

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:
Day 5 of quarterly groundwater sampling

Available Analytical Results:
No new data available.

Calibration Procedures Performed:
Both Horiba multi-meters were calibrated
Lab pH meter was calibrated, process pH meters were calibrated

General Remarks:

The plant has been running well at current flow levels. Plant influent is 370 gpm and effluent is 390 gpm. The average discharge from the plant was 392 gpm.

Day 5 of the quarterly groundwater sampling task was completed. No significant problems were

encountered.

James Jackson (JSJ) and Peter Takach were on site.
Bart Sattler was up to assist with sampling

Plant Manager Signature: Peter Takach, July 15, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

Operator: TAKACH Day: WEDNESDAY Date: 7-14-10 Time: 8[illegible]

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
389	NM	18900732

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	314447	0	\	\	\	NM	62279
EW-2	250145	243040	\	\	\	\	55830
EW-3	226038	221850	\	\	\	\	60187

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.8	95.6	29556051	
IW-2	152.0	92.1	26514164	
IW-3	155.0	113.5	25793657	
IW-4	156.4	79.3	24299071	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73150	NM	1	10	
INF 2	71950		OL	—	
INF 3	27243		2.5	11.5	
ASF 1	40238		0	31	
ASF 2	47899		OL	—	
ASF 3	41365		0	30	HIGH PITCH WHINE
GAC 1	43557		0.5	16	
GAC 2	46968		OL	—	
GAC 3	32246		1	17	
REC 1	21933		SB	—	
REC 2	20740		SB	—	
INJ 1	63336		7	27	
INJ 2	37287		9	27	
INJ 3	NIS		NIS	—	
SUMP	—		—	—	
BLOWER	13024		—	—	

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

AS Blower (H_2O")	4.5	
Air Temp (°F)	69	69
Water Temp (°F)		68
GAC #1 (H_2O")	2.5	1.0
GAC #2 (H_2O")	OL	—

pH	System Probe DAILY	Lab Meter WEEKLY	
Reactor Tank 1	4.87	4.82	
Reactor Tank 2	4.86	4.78	
AS. Feed	5.90	4.82	MJ
PLANT DISCHARGE - pH		4	
PLANT DISCHARGE - Temp.		—	

SAND FILTER DEPTH TO WATER (INCHES)	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	13.75	NM
Treat. Train 2	13.25	NM

Additional comments:

Plant 68°

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

Supervisors Signature: [signature] Date 7-15-10

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

OPERATOR: James Jackson DATE: 7-14-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• the TRIP BLANK WAS TAKEN	
2)		
3)	• the Plant Horiba was Calibrated	
4)		
5)	• AT EW-2C, ONE of the helter Pumping Well	
6)	in this Cluster. it pumped Pairly Quick, all	
7)	three pumps should be Replaced. was able to	
8)	get a sample - 3 VOAs 1 2 VOAs (TOB)	
9)		
10)	• OVER TO ONE OF BART'S WELL - WE-01 the is	
11)	A Problem Well, due to little amount of	

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	Water in Well. A lot of Problems at Well, Pump	
2)	NOT Working, Changed Pumps With BART, HAD	
3)	Fittings or Connection Problems - MADE UP A Adapter	
4)	Worked, Well Started Pumping - Took QC	
5)	at Well - 6 VOAs Req & Dup	
6)		
7)		
8)		
9)		
10)		
11)		

	IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)	

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

DATE: 7-14-10

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

	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
Chemical Feed Skids				
POLYMER	NO LEAKS			NIS - HOSE WATER
CAUSTIC	"			
POTASSIUM PERMANGANATE	LEAK AT DRAINPLUG			
HYDROCHLORIC ACID	NO LEAKS			

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

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

	General Conditions and Comments
Floor and General Work Areas	
SLIP, TRIP, & FALL HAZARDS	PLANT WIDE CONDENSATION PUDDLES
SHARP EDGES	✓
PINCH POINTS	✓
OTHER HAZARDS	✓

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

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

Notes and Comments:

SIGNED: P. Pickett 7-15-10 DATE: _____

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

WED

DATE: 7-14-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	725	OPS	1600	
JAMES S. JACKSON	J Jackson	0525	OPS	1420	Home
RICHARD C. CRONCE					
Bart Sattler		0600	GW Sampling	1515	
	PET				

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

Day: Thursday
Date: 07-15-10

Weather Forecast (am): mostly cloudy, cooler and humid. Temperatures are to range 71-84-73°F. Wind is from the NE-ESE at 11-7 mph. Relative humidity is 80% with a chance of precipitation in the afternoon.

Total Gallons Processed for day: 558,836 gallons

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

Reason for Downtime:
No downtime to report

Significant Operational Problems:
None
Day six of groundwater sampling

Corrective Maintenance Performed:
Sampling pumps cleaned up and stowed

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:
Quarterly groundwater organic samples taken

Available Analytical Results:
No new data is available.

Calibration Procedures Performed:
Both Horiba multi-meters were calibrated and logged in

General Remarks:
The treatment plant ran without problems through out the period. Plant flows remain high and well levels are stable. Plant influent flow averaged 370 gpm and effluent flow at 388 gpm.

The quarterly groundwater task was completed and the organic samples were shipped to USEPA's DESA lab.

Shewen Bian (USACE) stopped in to get an update of Monday's meeting.

James Jackson and peter Takach were on site for O&M.
Bart Sattler was up from SAIC-Exton to assist with the sampling.

Plant Manager Signature: Peter Takach, July 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: Thursday   Date: 7/15/10   Time: 0559

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	19023

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	319147	10					62274
EW-2	250389	263250					55851
EW-3	226292	271760					60298

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	1129	97	2966818	Cool morning, cloudy Temp
IW-2	1523	92	2663436	@ Plant is running fine
IW-3	1551	112	2594059	
IW-4	1562	70	2440261	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73172	NM	3	10	
INF 2	71950		SB	SB	STAND-BY
INF 3	27265		3	11	
ASF 1	40259		0	32	
ASF 2	47899		SB	SB	STAND-BY
ASF 3	41386		0	30	
GAC 1	43576		3	16	
GAC 2	46968		SB	SB	STAND-BY
GAC 3	32267		4	17	
REC 1	21933		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	23355		7	27	
INJ 2	37309		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)	0	0
AS Blower (H_2O")	4.8	–
Air Temp (°F)	58°	56°
Water Temp (°F)	17°	–
V-GAC #1 (H_2O")	2.45	0.85
V-GAC #2 (H_2O")	0	0

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	4.83	
Reactor Tank 2	4.84	
AS. Feed	5.57	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

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

Additional comments:

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

Supervisors Signature: [signature]   Date 7-16-10

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

OPERATOR: James Jackson DATE: 7-15-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • Cool morning temp @ 75°	
2)	
3) • PLANT IS RUNNING FINE	
4)	
5) • Horiba was Calibrated	
6)	
7) • TRUCK was CLEANED OUT	
8)	
9) • Valarie ON SITE - AT BD-33 - Samples	
10) TAKEN	
11)	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • Samples Packaged and dropped off to Fed	
2) Ex.	
3)	
4)	
5)	
6)	
7)	
8)	
9)	
10)	
11)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)

Peter Pickard 7-16-10

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

DATE: 7-15-10

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

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
POLYMER	—	—	—	
CAUSTIC	—	—	—	
POTASSIUM PERMANGANATE	—	—	Full	Full of water
HYDROCHLORIC ACID	—	—	—	

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

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

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	WATER IS EVERYWHERE
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: Peter Nkwah DATE: 7-16-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: 7-15-10 thru 9

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	PTakach	715	SPS	1615	
JAMES S. JACKSON	JJackson	0535	CDS	1330	Home
RICHARD C. CRONCE					
Bart Suttle		0630	GW Sampling	1400	
		PCN			

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: 07-16-10

Weather Forecast
Fri.: Mostly cloudy and humid. Temperatures are to range from 75-91-76°F. Wind is from the SSW at 17>14 mph. Relative humidity is 95% with scattered showers expected.
Sat.: Sunny and hot. Temps at 77-93-76°F, wind at 13-11 mph from west, RH 50-70%, no ppt.
Sun.: Sunny and hot. Temps at 78-97-77°F, wind at 13>7 mph from SW, RH 55-65%, no ppt.

Gallons Processed for the Period (7/16-7/19): 1,678,058 Gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
None
Pump for extraction well #1 remains off

Corrective Maintenance Performed:
Rotated process pumps from 1&3 to 2&3
Cleaned and stowed sampling equipment
Cleaned plant truck
Landscaping tasks

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

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

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

Available Analytical Results:
Received data form June's plant discharge organic samples

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 389 gpm out. Injection well levels are high but also steady.

The quarterly groundwater sampling task was completed including all documentation. Preparations are underway for next week's process water sampling tasks.

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

Plant Manager Signature: Peter Takach, July 19, 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: 7-16-10 Time: 0608

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
369	0	19091

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	379097	0					62274
EW-2	250662	263600					55525
EW-3	226575	271510					60231

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.9	96	7982439	COOL MORNING, TEMPS EXPECTING
IW-2	152.7	92	8677056	TO REACH HIGHS 90s
IW-3	155.0	113	8610235	
IW-4	156	78	2452036	PLANT IS RUNNING FINE

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73195	NM	3	9	
INF 2	71950		SB	SB	STAND-BY
INF 3	27286		3	11	
ASF 1	40253		0	32	
ASF 2	47899		SB	SB	STAND-BY
ASF 3	41410		0	30	
GAC 1	43603		4	16	
GAC 2	41966		SB	SB	STAND-BY
GAC 3	32291		4	17	
REC 1	21933		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	63381		7	29	
INJ 2	37332		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—		—	—	
BLOWER	—		—	—	

	INLET	OUTLET
GAC #1 (PSI)	5	8
GAC #2 (PSI)	10	11
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	47	—
Air Temp (°F)	59°	58°
Water Temp (°F)	15°C	—
V-GAC #1 (H_2O")	2.15	0.60
V-GAC #2 (H_2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	4.83	
Reactor Tank 2	4.81	
AS. Feed	5.47	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

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

Additional comments:

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

Supervisors Signature: Peter Okal Date 7-19-10

Preparations were underway for the process water sampling task.

James Jackson and Peter Takach were on-site.

Plant Manager Signature: Peter Takach July 20, 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: 7-19-10 Time: 0536

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
389	0	19247

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	314047	0	0	10	0		62274
EW-2	251029	262690	263080	263990	263990		55903
EW-3	227375	271840	271860	271860	271860		60299

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.9	96	3023255	Cool & cloudy morning
IW-2	153.3	41	2716098	Plant is running fine
IW-3	150.0	112	2658544	
IW-4	156.5	76	2483703	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73200	NM	SB	SB	Stand-By
INF 2	72015		3	8	
INF 3	27358		3	12	
ASF 1	40288		SB	SB	Stand-By
ASF 2	42964		0	31	
ASF 3	41480		0	32	
GAC 1	43607		SB	SB	Stand-By
GAC 2	47033		3	15	
GAC 3	52361		4	17	
REC 1	21933		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	62451		6	27	
INJ 2	37462		8	28	
INJ 3	—		NIS	NIS	Not in service
SUMP	—		—	—	
BLOWER	—		—	—	

	INLET	OUTLET
GAC #1 (PSI)	8	8
GAC #2 (PSI)	10	12
AIR DRIER (PSI)	6	6
AS Blower (H_2O)	45	—
Air Temp (°F)	58°	58°
Water Temp (°F)	18°C	—
V-GAC #1 (H_2O)	2.45	0.70
V-GAC #2 (H_2O)	0	8

pH	System Probe DAILY	Lab Meter WEEKLY	
Reactor Tank 1	4.83	5.41 / 16°C	4.70
Reactor Tank 2	4.49	5.55 / 15°C	4.70
AS. Feed	5.49	5.75 / 16°C	4.80
PLANT DISCHARGE - pH		6.11	5.59
PLANT DISCHARGE - Temp.		17°C	

SAND FILTER DEPTH TO WATER (INCHES)	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	14¾"	
Treat. Train 2	14½"	

Additional comments:
Hanna magnetic sheerer stopped.

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

Supervisors Signature: [signature] Date 7-20-10

CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J JACKSON DATE: 7-19-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • Cool Morning	
2)	
3) • the Daily operator Log was Completed	
4)	
5) • Ph & TEMP was DONE	
6)	
7) • PID was Calibrated - AIR MONITORING was DONE	
8)	
9)	
10)	
11)	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
)	
)	
)	
)	
)	
)	
)	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

P. Tkach 7-20-10

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

DATE: 7-19-10

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	—	—	—	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	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: 7-20-10

AIR MONITORING LOG
CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler J JACKSON Date 7-19-10

Calibration Standard(s) 100PPM \ ISOBUTYLENE

Post-cal Readings 187PPM \ 100PPM

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

Comments:

PET

SAIC

EMPLOYEE SIGN IN SHEET

DATE: 7-19-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P.E Takach	720	OPS	1515	
JAMES S. JACKSON	J C Jackson	0516	OPS	1340	Home
RICHARD C. CRONCE					

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

Day: Tuesday
Date: 07-20-10

Weather Forecast (am): Hazy, hot, and humid. Temperatures are to range from 76-90-73°F. The wind will be from the NNW-W-WSW at 8 mph. Relative humidity is 55-60% with little chance of rain.

Total Gallons Processed for period: 558,621 gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
Pump for extraction well #1 remains off
Influent pump #2 failed due to sheared coupling, pump/motor out of alignment
Start of process water sampling

Corrective Maintenance Performed:
Aligned influent pump #2 and installed motor coupling

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:
Quarterly samples – organic, generic and inorganic were taken from extraction wells 2&3

Available Analytical Results:
No new analytical results were available

Calibration Procedures Performed:
Horiba water quality multi-meter was calibrated and logged in

General Remarks:
The general plant operation has been very stable. Influent pump #2 failed resulting in lower plant flow and the injection pumps cycling of.

The plant discharge averaged 388 gpm.

Process water sampling has started. Samples were not taken from extraction well #1 as the pump

is in a failure mode and there is no flow.

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

Plant Manager Signature: Peter Takach, July 21, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: J JACKSON Day: TUESDAY Date: 7-20-10 Time: 0528

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
1.65	1.56	2.41

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
57	0	19301

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	319447	0					
EW-2	251672	270120					
EW-3	227627	278400					

Injection Wells	Water Level ft AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	71.1	0	3036512	INJECTION PUMPS DOWN \ FCV VALVE
IW-2	71.3	0	2729887	CLOSE(FCV-1-2) \ COUPLING
IW-3	46.6	0	2670063	
IW-4	133.4	54	2497030	P-1-4-2 IS SHEARED

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73201	NM	3	7	
INF 2	72089		NIS	NIS	SHEARED COUPLING
INF 3	27382		3	12	
ASF 1	40268		SB	SB	STAND-BY
ASF 2	47986		0	26	
ASF 3	41504		0	26	
GAC 1	43607		SB	SB	STAND-BY
GAC 2	47057		4	15	
GAC 3	32355		4	15	
REC 1	21933		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	63424		DOWN	DOWN	
INJ 2	37425		DOWN	DOWN	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—		—	—	
BLOWER	—		—	—	

	INLET	OUTLET
GAC #1 (PSI)	6	6
GAC #2 (PSI)	8	12
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O)	45	—
Air Temp (°F)	56°	56°
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	4.72	
Reactor Tank 2	4.73	
AS. Feed	5.55	
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	14½"	

Additional comments:

Supervisors Signature: [signature] 7-21-10 Date

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

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

OPERATOR: JJackson DATE: 7-20-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• Cool Morning Temp @ 70's	
2)		
3)	• The Plant is Running Fine	
4)		
5)	• the daily operators log WAS DONE	
6)		
7)	• Horiba was Calibrated - PH took a while, and	
8)	NEVER Came DOWN TO 4.00 IN SOLUTION, the	
9)	LOWEST was 4.63 - after Calibration it DID GO	
10)	DOWN to 4.00	
11)		

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• AT EXT-3 WELL, NO Problems AT WELL, QC	
2)	TAKEN, 4 METALS | 6VOAS | 2 TSS	
3)		
4)	• AT EXT-3 - NO Problems - Samples TAKEN.	
5)		
6)	• AT P-1-4-2 INFLUENT PUMP - NEW Eden installed	
7)	2 FRONT SEALS PLACED UNDER motor.	
8)		
9)		
10)		
11)		

	IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)	

7-21-10

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

DATE:_____

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	✓	✓	OL
TREATED WATER	✓	✓	OK
REACTORS	✓	✓	OL
CLARIFIERS	✓	✓	OL
SAND FILTERS	✓	✓	OL
CARBON VESSELS (liq)	✓	✓	OL

Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	N/S	✓		SHEARED COUPLING / REPAIRED
SLUDGE SETTLER	✓	✓	✓	
RECYCLE	✓	✓	✓	
AIR STRIPPER FEED	✓	✓	✓	
CARBON FEED	✓	✓	✓	
INJECTION	✓	✓		

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	OL
AFTER COOLER	OL
AIR DRIER	OL
MOTOR & COMPRESSOR	OL

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

Notes and Comments:

SIGNED: _____ DATE: 7-21-10

SAIC

EMPLOYEE SIGN IN SHEET

DATE: 7-20-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P Takach	715	OPS	1545	—
JAMES S. JACKSON	JJackson	0518	OPS	1440	Home
RICHARD C. CRONCE					

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

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

Day: Wednesday
Date: 07-21-10

Weather Forecast (am): Partly sunny, hot, and humid. Temperatures are to range from 79-88-74°F. Wind is expected from the WSW-SW at 3-13-11 mph. Relative humidity is 70% with a chance of T-Storm activity in the afternoon.

Total Gallons Processed for day: 551,148 gallons

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

Reason for Downtime:
No downtime required

Significant Operational Problems:
Pump to extraction well #1 is off
PW sampling tasks

Corrective Maintenance Performed:
Prepped for replacement of extraction well pump

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 samples were taken for process water sampling task

Available Analytical Results:
No new data available.

Calibration Procedures Performed:
No calibrations were required

General Remarks:
The plant is running in a very stable mode with consistent influent and effluent flows. Influent flow is set at 370 gpm and plant effluent averaged 383 gpm for the day

The process water sampling task was completed with out problem. Organic and inorganic samples were shipped to DESA Lab and the generic samples were shipped to ALSI.

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

End of the month documentation has started.

Plant Manager Signature: Peter Takach, July 22, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: J. Jackson Day: Wednesday Date: 7-21-10 Time: 0538

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
165	205	370

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
385	0	19335

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	314047	20					62274
EW-2	251930	240720					55987
EW-3	227896	209110					10343

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.7	96		ODOR MORNING
IW-2	142.1	89	27415120	
IW-3	151.7	11	2689655	
IW-4	155.2	70	26083330	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73224	NM	2	7	
INF 2	72039		SB	SB	STAND-BY
INF 3	27405		3	12	
ASF 1	402886		SB	SB	STAND-BY
ASF 2	48011		0	30	
ASF 3	411527		0	31	
GAC 1	43607		SB	SB	STAND-BY
GAC 2	42060		4	15	
GAC 3	32406		4	15	
REC 1	21933		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	62497		6	29	
INJ 2	37448		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—		—	—	
BLOWER	—		—	—	

	INLET	OUTLET
GAC #1 (PSI)	0	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°	—
V-GAC #1 (H_2O)	245	0.05
V-GAC #2 (H_2O)	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	4.74	
Reactor Tank 2	4.74	
AS. Feed	5.50	
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	12½"	

Additional comments:

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

Supervisors Signature: Patrick Hall Date: 7-22-10

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

OPERATOR: J Jackson DATE: 7-21-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • the Daily operators Log was completed	
2)	
3) • Plant sampling Done	
4)	
5) • Started at 002 Location	
6)	
7) • Next 07A Location	
8)	
9) • the 08A & B Samples were Taken	
10)	
11) • Finally 009 Plant Dischg Location samples	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
Taken	
• Samples Taken, Packaged, then Taken to Fed Ex	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

[signature] 7-22-10

Doc No.: CPS-Form-007

March 3, 2008
Rev. B

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

DATE: 7-21-10

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

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
POLYMER	–	–	–	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	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: P. Wood 7-22-10 DATE: _____

Wed

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: 7-21-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	720	O&M	1545	
JAMES S. JACKSON	J. Jackson	0518	OOS [?]	1305	EGD GX [?] \ Home
RICHARD C. CRONCE		RDO [?]			

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

DAILY QUALITY CONTROL REPORT

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

Day: Thursday
Date: 07-22-10

Weather Forecast (am): Mostly sunny, hot and humid. Temperatures are to range from 76-91-72°F. Wind is expected at 12-16-12 mph from the WNW. Relative humidity is 45-50%. No precipitation is expected.

Total Gallons Processed for day: 560,389 gallons

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:
Replaced pump motor in extraction well #1. Pump rotation was tested and adjusted and pump returned to service
Put influent pump #2 on line
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:
No samples taken of tests performed

Available Analytical Results:
No new data is available.

Calibration Procedures Performed:
No calibrations required.

General Remarks:
Mike Gonzales and Steve Zimmers were up to install the new motor in Extraction Well #1. This was completed and the pump was returned to service. During the installation set up, the crane truck struck the well cap of Ext-2, cracking the cap spacer ring, bending the truck wheel rim and getting a flat tire. The well and cap appear to be fine, and the truck was repaired on site.

The plant has been stable. The plant influent flow is set at 370 gpm and the plant effluent flow has averaged 389 gpm.

End of the month documentation continues.

James Jackson and Peter Takach were on-site.
Mike Gonzales and Steve Zimmers were up from Harrisburg.

Plant Manager Signature: Peter Takach, July 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: JJackson Day: Thursday Date: 7-22-10 Time: 0534

PLANT EFFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
165	165	330

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
389	0	19411

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	316407	0					622.74
EW-2	252191	262990					510.10
EW-3	226166	271650					603.66

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.6	96	30635412	
IW-2	143.6	91	27541643	
IW-3	134.6	112	27057223	
IW-4	155.7	80	25197117	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73247	NM	2	6	
INF 2	72089	SB	SB	SB	STAND-BY
INF 3	27429		3	13	
ASF 1	462 55		SB	SB	STAND-BY
ASF 2	48034		0	31	
ASF 3	41550		0	32	
GAC 1	43607		SB	SB	STAND-BY
GAC 2	47104		3	15	
GAC 3	32131		3	17	
REC 1	21983		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	63520		6	27	
INJ 2	37971		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—				
BLOWER	—	V			

	INLET	OUTLET
GAC #1 (PSI)	8	0
GAC #2 (PSI)	10	12
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O)	4.7	—
Air Temp (°F)	50.3	56
Water Temp (°F)	18.0°C	—
V-GAC #1 (H_2O)	2.45	0.65
V-GAC #2 (H_2O)	0	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	4.69	
Reactor Tank 2	4.66	
AS. Feed	5.45	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

SAND FILTER DEPTH TO WATER (INCHES)	Measurement 1 AM	Measurement 2 If needed
Treat. Train 1	16 3/4 "	
Treat. Train 2	16 1/2 "	

Additional comments:

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

Supervisors Signature: P. Pickal Date 7-23-10

Doc. No.: CPS-Form- 008

Jan. 21, 2010
Rev.:J

DAILY ACTIVITIES SUMMARY REPORT

CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J. JACKSON DATE: 7-22-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• PLANT IS RUNNING FINE	
2)		
3)	• PLANT GRASS IN FRONT OF PLANT WAS CUT	
4)		
5)	• STEVE ZIMMERS & MIKE GONZALAS ON SITE TO CHANGE	
6)	PUMP @ EXT-1 -- WHILE HERE TRUCK TIRE HIT	
7)	THE CORNER OF PLATE @ EXT-2 PUNCTURED TIRE &	
8)	BENT RIM. NEW TIRE & RIM INSTALLED AT SITE	
9)		
10)	• WEED WACKING DONE IN FRONT OF PLANT	
11)		

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
• VINCENT ROOFER SHOWED UP	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

D. Tidel 7-23-10

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

DATE: 7-22-10

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

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
POLYMER	—	—	—	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	WATER ON FLOOR, TANKS
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: [signature] 7-23-10 DATE: _____

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

(Thru)

DATE: 7-22-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	7[illegible]		1[illegible]37	
JAMES S. JACKSON	J. Jackson	0522	CPS	1445	Home
RICHARD C. CRONCE					
Steve Zimmers	[signature]	755	SOURCE-EBI-1	12:00	
				1205	
Mike Gonzales	MG	800	well pump		
	RD				

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: 07-23-10

Weather Forecast (am): Partly sunny and hot. Temperatures are to range from 75-83-77°F. Wind will be from the ESE to south at 2-15-13. Relative humidity is 70-80%, scattered T-storms are expected.
Sat.: Sunny, 75-92-80°F, Wind 14>12 mph from SW, RH at 65% with no ppt. expected.
Sun.: Cloudy, 80-91-70°F, wind 16>10 mph from NW, RH at 60% with rain expected.

Total Gallons Processed for the period (6/25-6/28): 1,677,670 gallons

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

Reason for Downtime:
No downtime to report

Significant Operational Problems:
None

Corrective Maintenance Performed:
Cleaned and adjusted process pH electrodes
Outdoor yard work continued

Verbal/Written Instruction from Government Personnel:
No new communications

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

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

Available Analytical Results:
No new data is available.

Calibration Procedures Performed:
Process pH electrodes were calibrated

General Remarks:
The plant is running with out remarkable problems. Plant influent flows are stable at 370 gpm and plant effluent flows are holding at 389 gpm.

Continue to work on getting electronic technician up to handle various tasks including powering up

third injection pump.

End of the month documentation continues.

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

Plant Manager Signature: Peter Takach, July 26, 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: 7-23-10 Time: 0532

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
166	165	870

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
357	0	144166

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	510576	486070					62286
EW-2	252387	239790					56027
EW-3	228320	247900					60384

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	112.8	96	3071762	COOL MORNING AGAIN
IW-2	140.5	90	2162676	PLANT IS RUNNING FINE
IW-3	130.6	111	2721671	
IW-4	130.8	79	2531019	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73249	NM	SB	SB	STAND-BY
INF 2	72060		5	10	
INF 3	27452		5	12	
ASF 1	40305		0	3	
ASF 2	48058		2	25	
ASF 3	41556		SB	SB	STAND-BY
GAC 1	43107		SB	SB	STAND-BY
GAC 2	47127		4	15	
GAC 3	32155		4	17	
REC 1	21633		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	62544		6	27	
INJ 2	37595		6	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—	V	—	—	
BLOWER	—		—	—	

	INLET	OUTLET
GAC #1 (PSI)	0	6
GAC #2 (PSI)	10	12
AIR DRIER (PSI)	61	OL

AS Blower (H2O)	4.6	—
Air Temp (°F)	67°	57°
Water Temp (°F)	77°F	—
V-GAC #1 (H2O)	7.45	0.60
V-GAC #2 (H2O)	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.15	
Reactor Tank 2	4.87	
AS. Feed	596	
PLANT DISCHARGE - pH		
PLANT DISCHARGE - Temp.		

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

Additional comments:

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

Supervisors Signature: [signature] Date 7-26-10

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

OPERATOR: J. JACKSON DATE: 7-23-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• THE DAILY OPERATORS LOG COMPLETED	
2)		
3)	• W/EED W/ACKED THE WEST SIDE OF FRONT OF PLANT	
4)		
5)	• WENT TO HOME DEPOT TO PICK UP SUPPLIES	
6)		
7)	• WEED WACKED THE WEST FRONT OF PLANT	
8)		
9)	• W/EED WACKED THE WEST SIDE OF AIR STRIPPER	
10)	TWR.	
11)		

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

P. Wall 7-26-10

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

DATE: 7-23-10

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	–	–	–	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	SOME 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

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

Notes and Comments:

SIGNED: [signature]

DATE: 7-26-10

E21

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

DATE: 7-23-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	7:15	OPS	15[15]	
JAMES S. JACKSON	J. Jackson	0525	OPS	1345	Long
RICHARD C. CRONCE		P2D			

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: 07-26-10

Weather Forecast (am): Sunny and cooler. The temps are to range from 72-88-69°F. Wind is from the WNW at 4-12-10 mph. Relative humidity is 35-40% with no precipitation expected.

Total Volume Processed for Day: 561,951 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:
Continued with out door post storm cleanup
Submitted PR for roof repair

Verbal/Written Instruction from Government Personnel:
Plainview FD in for site inspection

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

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 Horiba water quality multi-meter was calibrated and logged in

General Remarks:
The plant is running smoothly and without incident. Plant discharge flow is stable and averaged 390 gpm for the day. Injection well levels are high but stable.

The USEPA had some structural engineers in to look at the old Claremont Building Plainview Fire Department was in to inspect the facility.

End of month tasks and documentation are underway.

Plant clean-up is on-going

With Ext-1 back on-line, the PW sampling task was completed. Samples (organic and inorganic) were sent to DESA Lab and (generic) ALSI.

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

Plant Manager Signature: Peter Takach, July 27, 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: 7-26-10 Time: 0535

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
155	155	310

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
369	0	19634

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	515074	163770	164030	165410	158070		62333
EW-2	252914	173680	180000	175900	239790		56075
EW-3	228930	161380	167680	183340	217900		60431

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.4	96	3118327	COOLER DOWN this MORNING
IW-2	147.3	89	2807138	
IW-3	155.0	111	2269889	
IW-4	155.7	79	2565203	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73249		SB	SB	STAND-BY
INF 2	72181		4	13	
INF 3	21522		3	11	
ASF 1	40207		SB	SB	STAND-BY
ASF 2	48128		0	31	
ASF 3	41621		0	31	
GAC 1	43607		SB	SB	STAND-BY
GAC 2	47197		2	15	
GAC 3	82525		4	17	
REC 1	21933		OFF	OFF	
REC 2	20741		OFF	OFF	
INJ 1	136614		6	27	
INJ 2	375165		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 (H2O")	4.7	—
Air Temp (°F)	57°	57°
Water Temp (°F)	17°C	—
V-GAC #1 (H2O")	2.15	0.65
V-GAC #2 (H2O")	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.13	5.89 15°C
Reactor Tank 2	4.83	5.90 15°C
AS. Feed	5.47	6.17 15°C
PLANT DISCHARGE - pH		6.20
PLANT DISCHARGE - Temp.		17°C

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

Additional comments:

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

Supervisors Signature: Peter Deal Date 7-27-10

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

OPERATOR: J. JACKSON DATE: 7-26-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• COOL & DAMP MORNING, HEAVY RAINS LAST	
2)	NIGHT	
3)		
4)	• PLANT PH & TEMP WAS DONE	
5)		
6)	• PID METER WAS Calibrated - AIR MONITORING WAS	
7)	DONE	
8)		
9)	• The Daily operators Log WAS Completed	
10)		
11)	• the Horiba WAS Calibrated	

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
)	• TRIP BLANK WAS TAKEN	
)		
	• ROAD to EXT-1 HAD Bumps ON IT DUE TO thunder	
	storm Last NIGHT.	
	• AT EXT-1 Samples TAKEN, QC WAS TAKEN, 4 METALS	
	6 VOAS 2 TSS	

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

7-27-10

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

DATE: 7-26-10

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	-	-	-	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	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: Peter Adel DATE: 7-27-10

AIR MONITORING LOG
CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler J. JACKSON Date 7-26-10

Calibration Standard(s) 100 PPM \ ISOBUTLENE

Post-cal Readings 536.7 PPM \ 1010.0 PPM

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

Comments:

PCP

March 3, 2008
Rev. 8

Doc. No.: CPS-Form-006

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

MON

DATE: 7-26-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P Takach	720	QB	1500	
JAMES S. JACKSON	JJackson	0525	QDS	1310	FED EX | 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: Tuesday
Date: 07-27-10

Weather Forecast (am): Mostly sunny and cooler. Temperatures are to range from 73-89-73°F. Wind will come from the WNW at 7 mph the SSW at 9 mph. Relative humidity is 40 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:
Mowed grass in various locations
Rotated pumps from 2&3 to 1&2
Cleaned pH electrodes at reaction tanks

Verbal/Written Instruction from Government Personnel:
Sent site drawings to Plainview Fire Department

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:
Injection well soundings were recorded

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 388.

End of the month documentation continues.

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

Plant Manager Signature: Peter Takach, July 28, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: J. JACKSON Day: TUESDAY Date: 7-27-10 Time: 0530

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
183	184	367

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
368	0	19690

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	315235	160560					62349
EW-2	253066	179160					516090
EW-3	289109	186930					601146

Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.6	95	3132054	ANOTHER COOL MORNING, TEMP
IW-2	167.4	90	2822016	0710
IW-3	155.0	112	2785541	
IW-4	155.9	79	2576572	PLANT IS RUNNING FINE

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	78209	NM	SB	SB	STAND-BY
INF 2	72154		3	12	
INF 3	22546		3	12	
ASF 1	40307		SB	SB	STAND-BY
ASF 2	48151		0	30	
ASF 3	41648		0	30	
GAC 1	436107		SB	SB	STAND-BY
GAC 2	41221		2	15	
GAC 3	32508		4	17	
REC 1	21933		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	626356		6	27	
INJ 2	37589		8	27	
INJ 3	—		NIS	NIS	NOT IS SERVICE
SUMP	—		—	—	
BLOWER	—		—	—	

	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°	57°
Water Temp (°F)	18°	—
V-GAC #1 (H_2O")	2.45	0.65
V-GAC #2 (H_2O")	01	02

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.17	
Reactor Tank 2	6.72	
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	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. Pickett Date 7-28-10

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

OPERATOR: JJackson DATE: 7-27-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• the Daily Operator Log was Completed	
2)		
3)	• TW-1 \ 5.13 \ 144.50	
4)		
5)	• IW-2 \ 16.22 \ 241.10	
6)		
7)	• IW-3 \ 5.53 \ 248.90	
8)		
9)	TW-4 \ 10.70 \ 198.0	
10)		
11)	• GRASS AT SW-1 & DW-1 was CUT.	

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
)	• GRASS AT the 1ST GATE CUT	
)		
)	• GRASS @ the REAR of PLANT CUT	
)		
)		
)		

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

7-28-10

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

DATE: 7-27-10

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	—	—	—	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	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: [signature] 7-28-10 DATE: _____

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

TUE
DATE: 7-27-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P.Takach	7:5	OPS	1550	
JAMES S. JACKSON	JJackson	0525	OPS	1343	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: Wednesday
Date: 07-28-10

Weather Forecast (am): Mostly sunny and warm. Temperatures are to range from 76-88-75°F. Wind is expected from the SSW at 5-20-19 mph. Relative humidity is 50%. No rain is expected today.

Total Volume Processed for Day: 548,097gallons

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

Reason for Downtime:
No downtime to report although injection pumps were off for 58 minutes for well falling head tests.

Significant Operational Problems:
None

Corrective Maintenance Performed:
Loaded pipes onto pipe rack
Replaced cover on motor coupling of influent pump #2

Verbal/Written Instruction from Government Personnel:
USEPA advised that DESA Lab will handle Augusts' PD samples

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:
Took motor amp load readings

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.

End of the month documentation continues.

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

Plant Manager Signature: Peter Takach Peter Takach, July 29, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

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

Operator: J. JACKSON Day: WEDNESDAY Date: 7-28-10 Time: 0546

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
388	0	19247

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	315402	168490				12.5	62365
EW-2	253267	978640				11.2	56106
EW-3	229299	986460				10.7	60462

Injection Wells	Water Level ft AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	162.7	96	3145960	PLANT IS RUNNING FINE
IW-2	160.5	93	2833430	
IW-3	155.1	111	2802041	
IW-4	157.1	79	2582954	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
NF 1	78269	1.6	2	7	
NF 2	72178	1.6	3	13	
NF 3	27549	1.5	SB	SB	STAND-BY
SF 1	40326	7.1	0	33	
SF 2	48175	6.7	0	32	
SF 3	44651	7.2	SB	SB	STAND-BY
AC 1	42626	3.6	2	17	
AC 2	47204	3.7	2	15	
AC 3	32552	2.7	SB	SB	STAND-BY
EC 1	21933	1.4	OFF	OFF	
EC 2	20740	1.6	OFF	OFF	
J 1	63661	5.5	6	27	
J 2	37612	6.1	8	27	
J 3	—	—	NIS	NIS	NOT IN SERVICE
MP	=	0.9	=	=	
OWER	=	3.2	=	=	

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

lower (H_2O)	41.7	—
emp (°F)	57.3	57°
r Temp (°F)	56.2	—
C #1 (H_2O)	2.15	0.60
C #2 (H_2O)	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.12	
Reactor Tank 2	5.01	
AS. Feed	5.99	
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"	

ional comments:

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

isors Signature: Date 7-29-10

CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J JACKSON DATE: 7-28-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• A GOOD MORNING	
2)		
3)	• THE PLANT IS RUNNING WELL	
4)		
5)	• THE DAILY OPERATOR LOG WAS COMPLETED.	
6)		
7)	• THE MONTHLY AMP DRAWS WERE TAKEN	
8)		
9)	• PIPES WAS PUT BACK TO RACK	
10)		
11)	• COUPLING COVER PUT ON @ P-1-4-2	

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
)		
)		
)		
)		
)		
)		

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS

7-29-10

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

DATE: 7-28-10

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

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
POLYMER	-	-	-	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	✓	✓		COVER PUT ON
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	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: _____ DATE: 7-29-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

WED
DATE: 7-28-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	730	OPS	1545	✓
JAMES S. JACKSON	JJackson	0526	OPS	1355	Home
RICHARD C. CRONCE		PCT			

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

Day: Thursday
Date: 07-29-10

Weather Forecast (am): Mostly, hot and humid. The temperatures are to range from 75-91-69°F. Wind is from the WSW to west at 5-10-8 mph. Relative humidity is 80% with rain expected.

Total Volume Processed for Day: 568,028 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:
Cleared well field paths of storm damaged trees

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

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

Record of any tests performed, samples taken, and personnel involved:
Recorded infiltration gallery flowmeter readings

Available Analytical Results:
No new data received

Calibration Procedures Performed:
No calibrations required

General Remarks:
The plant is operating at high flow rates. The TW tank is at 68% and the plant discharge averaged 394 gpm for the day

End of month tasks and documentation is underway.

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

Plant Manager Signature: Peter Takach, July 30, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

[illegible] OPERATING LOG (Revised 1-21-10)

Operator: Jackson Day: Thursday Date: 7-29-10 Time: 0515

PLANT INFLUENT FLOW (GPM)		
TRAIN 1	TRAIN 2	TOTAL
185	166	370

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10.000) GALs
294	0	199,01

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	355462	163580					12380
EW-2	253439	173400					56121
EW-3	279478	181080					160477

Injection Wells	Water Level ft AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	112.8	95	3159227	PLANT IS RUNNING FINE
IW-2	143.7	93	2800441	
IW-3	155.1	112	2817639	
IW-4	152.3	52	2599392	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	7292	NM	3	6	
INF 2	9220		3	6	
INF 3	27549		SB	SB	STAND-BY
ASF 1	90350		0	32	
ASF 2	48996		0	32	
ASF 3	41651		SB	SB	STAND-BY
GAC 1	42664		4	17	
GAC 2	41765		2	15	
GAC 3	32552		SB	SB	STAND-BY
REC 1	21933		OFF	OFF	
REC 2	20740		OFF	OFF	
INJ 1	18664		6	28	
INJ 2	37635		8	27	
INJ 3	-		NIS	NIS	NOT IN SERVICE
SUMP	-	NM			
BLOWER	-				

	INLET	OUTLET
GAC #1 (PSI)	4	3
GAC #2 (PSI)	11	11
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O)	14.75	-
Air Temp (°F)	56°	56°
Water Temp (°F)	16°	-
V-GAC #1 (H_2O)	2.15	0.65
V-GAC #2 (H_2O)	OL	OL

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	512	
Reactor Tank 2	4.72	
AS. Feed	6.61	
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 7-30-10

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

OPERATOR: J JACKSON DATE: 7-29-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) • PLANT IS RUNNING FINE	
2)	
3) • the Daily operator Log was Completed	
4)	
5) • Called IT DESK SERVICE TO FIX MY E-MAIL	
6) SIGNATURES BLOCK & UP DATE MY ADDRESS BOX	
7)	
8) • the July 2010 maintenance Log was Finished	
9) & SENT TO PETER.	
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)

8-2-10

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

DATE: 7-29-10

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

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

Process Tanks	Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION	✓	✓	HAS RUST SPOTS
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	✓	✓	✓	MOTOR NOISEY
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	FLOOR MOPPED
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: P. Weal DATE: 8-2-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE
EMPLOYEE SIGN IN SHEET

Thrus

DATE: 7-29-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	PTakach	725	OEM	1548	
JAMES S. JACKSON	JSJackson	0522	OPS	1800	TAKE WIFE TO DOCTOR
RICHARD C. CRONCE	RCC				

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

Day: Friday
Date: 07-30-10

Weather Forecast (am): Sunny and cool. Temperatures are to range 7-84-66°F. Wind from the NNE at 9-7 mph. Relative humidity is 55% with little chance of precipitation.
Sat.: Sunny, warm, 67-82-64°F. Wind 10-9 mph SSE, RH at 50% with late rain.
Sun.: Raining, warm, 70-79-71°F. Wind 14-7 mph ESE. RH at 65% with scattered showers all day.

Total Volume Processed for period (7/30-8/2): 1,692,350 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:
Roof repair at vent penetrations
Secured ASF pump 3 to minimize vibrations

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

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

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

Available Analytical Results:
No new data is available.

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 levels are generally high but under overflow levels

End of the month documentation continues

Dell Roofing was in to make repairs to the plant roof.

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

Plant Manager Signature: Peter Takach, August 2, 2010

Attachments:

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

cc: SAIC Program Manager
USACE Project Manager
File

DAILY OPERATING LOG (Revised 1-21-10)

Operator: Jackson Day: Friday Date: 7-30-10 Time: 0522

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

PLANT EFFLUENT FLOW (GPM)		
PUMP	SYPHON	METER (X 10,000) GALs
392	0	19857

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	315736	168010					62896
EW-2	253612	77230					36137
EW-3	229662	156120					60493

Injection Wells	Water Level ft AMSL (HMI)	Signet Meter Flow Rate	Signet Meter Total Volume	Observations and Comments
IW-1	112.9	96	3112780	Temp @ 68° - NICE, MORNING
IW-2	145.3	94	2859160	
IW-3	155.0	111	2833495	
IW-4	152.7	82	2611085	

Process Pumps	System Operating Hours	Motor Amp Load	System Pressure Gauges Suction Side PSI	Discharge Side PSI	COMMENTS
INF 1	73316	NM	3	7	
INF 2	72224		3	12	
INF 3	27549		SB	SB	STAND-BY
ASF 1	40824		0	32	
ASF 2	41822		0	30	
ASF 3	41651		SB	SB	STAND-BY
GAC 1	43674		3	16	
GAC 2	47291		3	15	
GAC 3	32552		SB	SB	STAND-BY
REC 1	27933		OFF	OFF	
REC 2	20140		OFF	OFF	
INJ 1	63707		7	27	
INJ 2	37566		8	27	
INJ 3	—		NIS	NIS	NOT IN SERVICE
SUMP	—		—	—	
BLOWER	—	✓	—	—	

	INLET	OUTLET
GAC #1 (PSI)	10	8
GAC #2 (PSI)	10	7
AIR DRIER (PSI)	OL	OL

AS Blower (H_2O")	4.75	—
Air Temp (°F)	57°	57°
Water Temp (°F)	73°F	—
V-GAC #1 (H_2O")	2.05	0.00
V-GAC #2 (H_2O")	0	0

pH	System Probe DAILY	Lab Meter WEEKLY
Reactor Tank 1	5.12	
Reactor Tank 2	4.76	
AS. Feed	5.99	
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: [signature] Date 8-2-10

CLAREMONT POLYCHEMICAL SUPERFUND SITE
OLD BETHPAGE, NEW YORK

OPERATOR: J. JACKSON DATE: 7-30-10

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• COOL MORNING TEMP @ 65°	
2)		
3)	• PLANT IS RUNNING FINE.	
4)		
5)	• THE DAILY OPERATORS LOG WAS COMPLETED	
6)		
7)	• TOP LEVEL & LOW LEVEL PLANT FLOOR WAS	
8)	MOPPED	
9)		
10)	• SHUT DOWN AIR STRIPPER, MOTOR # 3 TO CHECK	
11)	FOR NOISE - TIGHTENED MOTOR BASE	

	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)	• CLOSE # 3 CHECK VALVE MANUALLY - NOISE IS	
2)	STOP FOR NOW.	
3)		
4)	• REAR COVER OF PUMP # 3 WAS REMOVED TO	
5)	PLACE TO GREASE BEARING	
6)		
7)		
8)		
9)		
10)		
11)		

	IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS
1)	

8-2-10

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

DATE: 7-30-10

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	-	-	-	OL
CAUSTIC	-	-	-	OL
POTASSIUM PERMANGANATE	-	-	-	OL
HYDROCHLORIC ACID	-	-	-	OL

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	✓	✓	✓	Motor is Noisey
CARBON FEED	✓	✓	✓	OK
INJECTION	✓	✓		OK

Floor and General Work Areas	General Conditions and Comments
SLIP, TRIP, & FALL HAZARDS	Floor Mopped
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: [signature] DATE: 8-2-10

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

Operations and Maintenance Document

SOUND MONITORING WORK SHEET

Day	FRIDAY
Date	July 30, 2010
Instrument ID	CLEAR LEE 93-20 #310
Battery Check	OK
Calibration Check	OK
Inspector	TAKACH

Area	Reading (dB)	Conditions
Office	60-62	Doors open
HVAC Mezzanine	NM	—
Clarifier Mezzanine	72-74	
Injection Pumps (at motors)	78-80 L 82-84 H	1 & 2
AS Feed Pumps (at Motors)	78-80	54 Hz ✓
Air Compressor Station	NM	OFF LINE
Air Stripper Tower Area	74-80	
AST Blower	84-86	
Paved Area	74-60	
Shop	68-70	Doors open

Comments and Observations:
Pumps 1 & 2 on

NM - Not Measured

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE

EMPLOYEE SIGN IN SHEET

DATE: 7-30-10

NAME	SIGNATURE	IN	REASON	OUT	REASON
PETER E. TAKACH	P. Takach	730	OPS	1500	
JAMES S. JACKSON	Jackson	0517	OPS	1330	Home
RICHARD C. CRONCE	RC				