

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

Prepared for:

United States Army Corps of Engineers Kansas City District

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

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ACRONYMS AND ABBREVIATIONS

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

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

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

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

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

2.0 OPERATION AND MAINTENANCE LOGS

2.1 Daily Quality Control Reports

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

2.2 Summary of Maintenance Activities

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

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

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

2.3 Operator's Logs

The following operating logbooks are currently in use:

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

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

3.0 TECHNICAL SUPPORT ACTIVITIES

3.1 SAIC Personnel

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

3.2 Manufacturing Representatives

• None in November.

3.3 Subcontractors and Deliveries

• Mail was delivered on six occasions.

3.4 Visitors

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

4.0 HEALTH AND SAFETY

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

No safety incidents or accidents occurred during November 2010.

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

5.0 PLANNED ACTIVITIES AND SCHEDULES

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

6.0 MONITORING WELL WATER ELEVATIONS

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

7.0 TREATMENT SYSTEM FLOWS

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

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

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

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

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

8.0 CHEMICAL CONSUMPTION

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

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

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

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

9.0 CARBON USAGE

9.1 Aqueous-Phase Carbon

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

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

9.2 Vapor-Phase Carbon

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

10.0 SLUDGE DISPOSAL

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

11.0 MONTHLY DISCHARGE MONITORING REPORT

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

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

12.0 SLUDGE QUALITY ASSURANCE REGULATIONS REPORT TO NYSDEC

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

13.0 OTHER OPERATIONS, MAINTENANCE, OR MANAGEMENT ISSUES

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

Several ongoing plant-wide issues include:

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

14.0 PROPOSED CHANGES TO STANDARD OPERATING PROCEDURES (SOP)

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

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

15.0 TREATMENT PLANT AND WELL FIELD MONITORING RESULTS

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

15.1 Off-Site Analytical Data Results

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

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

15.2 Field Data

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

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

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

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

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

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

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

16.0 PROCESS ANALYSIS, INTERPRETATIONS, AND CONCLUSIONS

16.1 Influent Process

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

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

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

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

16.2 Metals Removal Process

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

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

16.3 Settling Filter Process

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

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

16.4 Air Stripping Process

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

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

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

16.5 Aqueous-Phase Carbon Treatment Process

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

Other routine maintenance tasks continued.

16.6 Treated Water Injection Process

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

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

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

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

FIGURES

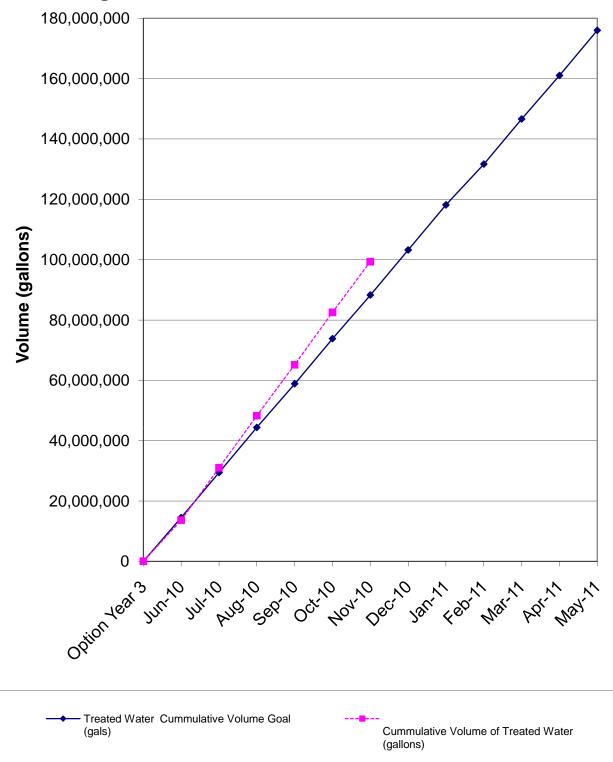


Figure 7-1. Actual Versus Treated Water Goal

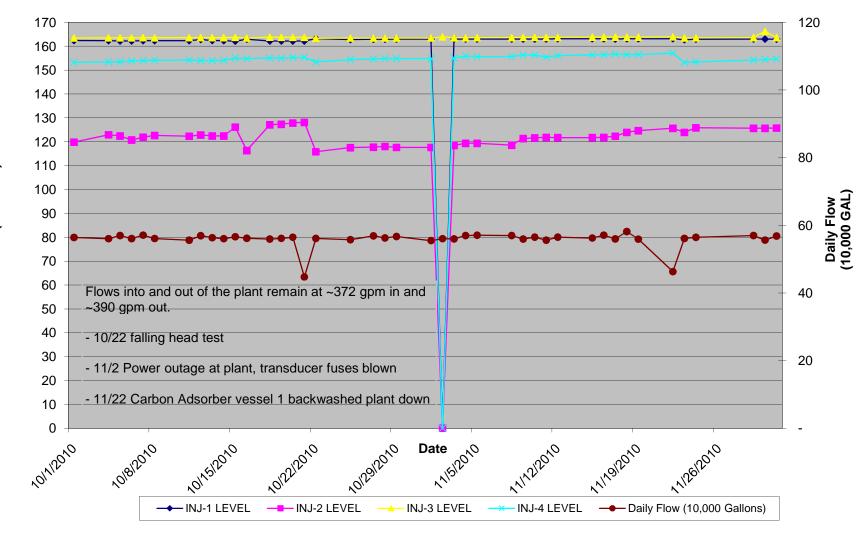
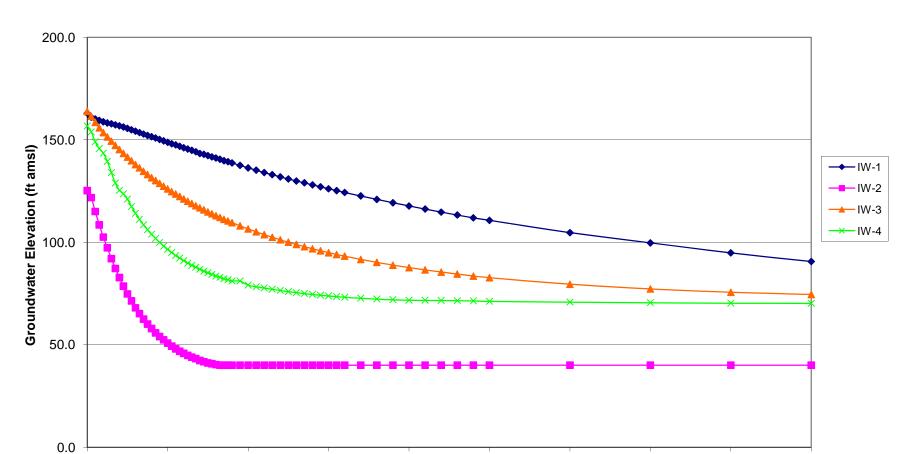


Figure 15-1 Injection Well Elevations and Daily Flow



0.0

5.0

10.0

15.0

20.0

25.0

Minutes

30.0

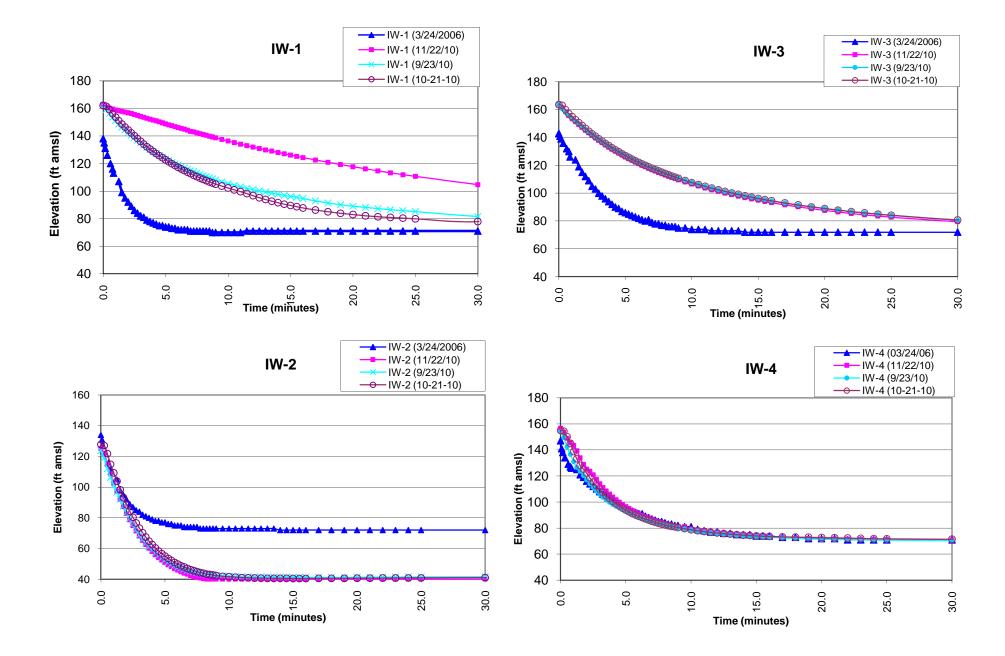
35.0

40.0

45.0

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

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



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TABLES

November 2010

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

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

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

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

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

IOS - INTENTIONALLY OUT OF SERVICE

NS - NEEDS SERVICE (NORMAL MAINTENANCE)

RR NR

- NOT REQUIRED NA - NOT APPLICABLE

								Elevation (NG	VD29) to Top o	f		February 2	002		April 200)2		May 200	2
	Northing	Easting	Well Diameter	Depth of Screened Interval	Elev.of Screened Interval	Well Depth	Ground Surface	Steel Casing	PVC Casing	Pump Cap	Sample	Depth to Water Below	Water Elevation	Sample	Depth to Water Below	Water Elevation	Sample	Depth to Water Below	Water Elevation
Well ID	(NAD27)	(NAD27)	(inches)	(ft bgs)	(ft AMSL)	(ft bgs)	(ft AMSL)	(ft AMSL)	(ft AMSL)	(ft AMSL)	Date	Ref El ^a	(ft AMSL)	Date	Ref El ^a	(ft AMSL)	Date	Ref El ^b	(ft AMSL)
E14/ 4 A	402072 770	2154019.942	Monito 4	ring Wells	50 04 to 60 47	76.50	128.34	400.00	400.00	130.00	14-Feb-02	69.58	CO 44	5 4== 00	70.20	50.00	16-May-02	70.00	50.40
EW-1A EW-1B	193873.779 193883.104	2154019.942	4	65.17 to 75.00 90.17 to 100.00	53.34 to 63.17 28.75 to 38.58	102.40	128.34	130.09 130.65	130.02 130.56	130.00	14-Feb-02 14-Feb-02	70.17	60.44 60.39	5-Apr-02 5-Apr-02	70.20	59.82 59.79	16-May-02	70.60 71.13	59.40 59.40
EW-1C	193876.735	2154013.250	4	115.17 to 100.00		127.50	128.43	130.60	130.30	130.33	14-Feb-02	69.75	60.72	5-Apr-02	70.77	59.96	16-May-02	71.13	59.40
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		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		149.50	157.60	157.93	157.54	157.66	12-Feb-02	98.33	59.21	5-Apr-02	98.60	58.94	15-May-02	99.19	58.47
EW-2D	194009.000	2154637.000	2.5	291.1 to 301.1	32.55 to -142.5	301.40	158.55	158.58	NA	158.24	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-3A	192803.360	2155737.476	4	95.17 to 105.00	52.28 to 62.11	106.00	157.28	159.24	158.92	158.95	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-3B	192823.359	2155736.476	4	125.17 to 135.00		136.86	157.32	159.36	159.06	159.09	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-3C	192822.360	2155742.476	4	154.17 to 164.00	2.99 to -6.84	165.85	157.16	159.25	158.92	158.95	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-4A	194255.578	2154569.281	4	100.17 to 115	44.86 to 59.69	116.60	159.86	161.81	161.89	161.78	13-Feb-02	102.58	59.31	5-Apr-02	101.68	60.21	16-May-02	102.90	58.88
EW-4B	194249.291	2154569.137	4	120.17 to 130.00	29.8 to 39.63	131.72	159.80	161.91	161.67	161.80	13-Feb-02	101.42	60.25	5-Apr-02	101.72	59.95	16-May-02	102.17	59.63
EW-4C	194242.950	2154569.108	4	145.17 to 155.00	4.59 to 14.42	157.00	159.59	161.68	161.41	161.54	13-Feb-02	101.17	60.24	5-Apr-02	101.47	59.94	16-May-02	101.91	59.63
EW-4D	194268.565	2154585.597	2.5	285 to 295	25.26 to -135.2	295.00	159.74	162.24	NA	161.77	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-5	194051.026	2154443.232	4			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		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		doned	4	110.17 to 120.00		NA	NA	130.86	130.61	NA		abandone			abandone			abandone	
EW-6C	194691.623	2154118.917	4	160.67 to 170.50		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		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		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		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 -118.0	254.50	135.40	138.07	NA	137.53	NM	NM	NM	NM	NM	NM	NM	NM	NM NM
EW-10C EW-11D	194593.000 193993.198	2154734.000 2155316.978	2.5 2.5	139.5 to 149.5 270 to 280	19.11 to 9.11 06.75 to -116.3	150.00 280.00	158.61 163.25	161.23	NA NA	160.94 165.33	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	NM
EW-11D EW-12D	194110.000	2155316.978 2154849.000	2.5	209.5 to 219.5	47.33 to -57.3	280.00	163.25	165.75 164.58	NA	165.33	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-12D EW-13D	194557.000	2154979.000	2.5	340 to 350	77.28 to -187.3	350.30	162.17	165.01	NA	164.73	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-13D EW-14D	191632.016	2156477.193	2.5	185 to 195	-85.27 to -95.2	195.00	99.73	102.25	NA	104.73	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	35.15	102.25	136.93	/d	INIVI	dry	INIVI	INIVI	dry	INIVI	INIVI	dry	INIVI
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	To may be	dry	
DW-1	194070.541	2154132.146	4	93.5 to 98.5	32.89 to 38.39	99.10			131.19	131.38	11-Feb-02	70.67	60.52	5-Apr-02	71.16	60.03	16-May-02	71.72	59.66
LF-02	193617.347	2153592.477	6	110 to 115	3 to 8	102.00		NA	118.70	NA	18-Feb-02	57.75	60.95	NM	NM	NM	NM	NM	NM
PPW-1	194341.106	2154124.530	12/10	300 to 330	66.15 to -196.1	330	133.85	NA	136.74	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
WT-01	194312.475	2154959.015	4	95.4 to 105.4	56.98 to 66.98	107.20	162.94	164.77	164.57	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-6D	192831.355	2154128.481	4	185 to 190	-26.1 to -31.1	190.00	158.90	NA	160.39	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-8A	193670.718	2154228.598	4	85 to 90	48.5 to 53.5	90.00	132.80	133.57	133.18	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-8B	193723.370	2154266.420	4	155 to 160	-22.2 to -27.2	160.00	132.80	NA	134.24	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-8C	193723.373	2154266.424	4	245 to 250	110.7 to -115.	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.	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		1	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
	-			tion Wells				-				-				-			
EX-1	193746.762	2154315.864	10	5 to110, 125 to 17		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
IW-1	194419.137	2155036.895	8	ion Wells 133 to 248	29.92 to -85.08	248	162.92	164.88	NA	NA	NM	NM	NM	4-Apr-02	16.40	148.48	15-May-02	4.90	159.98
																	,		
IW-2	194434.129	2155148.931	8	100 to 250	63.64 to -86.36	250	163.64	165.61	NA	NA	NM	NM	NM	4-Apr-02	19.20	146.41	15-May-02	10.40	155.21
IW-3	194438.720	2155249.932	8	102 to 252	62.25 to -87.75	252	164.25	166.26	NA	NA	NM	NM	NM	4-Apr-02	3.50	162.76	15-May-02	24.10	142.16
IW-4	194315.518	2155244.734	8	100 to 250	63.84 to -86.16	250	163.84	166.09	NA	NA	NM	NM	NM	4-Apr-02	18.10	147.99	15-May-02	16.10	149.99
IG-1 ^j	194391.807	2154916.695	2]		5.7													
IG-3 ^I	194455.720	2155354.682	2			5.7													
			Notes:	-		•			Kev:										

Well Transducer Reading at time o depth to water readings

a) b) c)

d) Pump not installed
 e) Unable to measure depth to water due to low conductivity

f)

g) Measured while pump was offh) 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

		August 20	002		October 2	2002	N	ovember 2	2002	I	January 2	003	l –	April 2003	3		July 200	3		October 20	03
		Depth to			Depth to			Depth to			Depth to			Depth to	-		Depth to	-		Depth to	
		Water	Water		Water	Water		Water	Water		Water	Water		Water	Water		Water	Water		Water	Water
	Sample	Below	Elevation	Sample	Below	Elevation	Sample	Below	Elevation	Sample	Below	Elevation	Sample	Below	Elevation	Sample	Below	Elevation	Sample	Below	Elevation
Well ID	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(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	1		dry	1	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 22-Nov-02	NM 103.90	NM	NM NM	NM	NM NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-3A EW-3B	NM	NM	NM	24-Oct-02	dry 104.09	55.00	22-Nov-02 22-Nov-02	103.90	55.02 55.13	NM	NM	NM	15-Apr-03	dry 101.49	57.60	28-Jul-03	dry 98.80	60.29	21-Oct-03	dry 99.33	59.76
EW-3D EW-3C	NM	NM	NM	24-Oct-02 24-Oct-02	104.09	54.93	22-Nov-02 22-Nov-02	103.90	55.10	NM	NM	NM	15-Apr-03	101.49	57.80	28-Jul-03	98.69	60.26	21-Oct-03 21-Oct-03	99.33	59.96
EW-4A	6-Aug-02	103.49	58.29	23-Oct-02	104.02	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	L .	abandon			abandon			abandone			abandone			abandone			abandone			abandone	
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 EW-9D	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM
EW-9D EW-10C	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-10C 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 100.10	NM	NM	NM	NM	23-Oct-03	71.15	62.70
WT-01 MW-6D	NM	NM NM	NM	NM 24-Oct-02	NM 104.20	NM 56.19	NM NM	NM	NM NM	NM NM	NM	NM NM	17-Apr-03	103.19 101.12	61.38 59.27	28-Jul-03	101.12 99.59	63.45 60.80	22-Oct-03 22-Oct-03	100.45 99.39	64.12 61.00
MW-8A	NM	NM	NM	24-Oct-02 NM	104.20 NM	56.19 NM	NM	NM	NM	NM	NM	NM	16-Apr-03 NM	101.12 NM	59.27 NM	31-Jul-03 NM	99.59 NM	60.80 NM	22-Oct-03 NM	99.39 NM	61.00 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 ⁹	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 ⁹	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 ¹																					

IG-3^I Well Transducer Reading at time of depth to water readings

		January 20	04	1	April 200	04		July 200	04		October 2	2004	1	January 2	005	I	April 20	05	1	June 20	05
		Depth to			Depth to			Depth to			Depth to			Depth to		1	Depth to			Depth to	I
		Water	Water		Water	Water		Water	Water		Water	Water									
	Sample	Below	Elevation	Sample	Below	Elevation	Sample	Below	Elevation	Sample	Below	Elevation									
Well ID	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(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 EW-2C	19-Jan-04 19-Jan-04	95.50 95.30	62.23 62.36	19-Apr-04 19-Apr-04	95.20 95.00	62.53 62.66	19-Jul-04 19-Jul-04	95.52 95.62	62.21 62.04	18-Oct-04 18-Oct-04	95.57 95.62	62.16 62.04	20-Jan-05 20-Jan-05	94.74 94.52	62.99 63.14	6-Apr-05 6-Apr-05	94.60 94.77	63.13 62.89	9-Jun-05 9-Jun-05	93.50 93.45	64.23 64.21
EW-2C EW-2D	NM	95.50 NM	02.30 NM	NM	95.00 NM	02.00 NM	NM	95.62 NM	NM	NM	95.62 NM	NM	20-Jan-05 NM	94.52 NM	NM	NM	94.77 NM	02.09 NM	NM	93.45 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									
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 EW-6C	10 Jap 04	abandone 66.66	63.74	10 Apr 07	abandon 65.68	ea 64.72	10 101 04	abandon 66.13	ea 64.27	19 Oct 04	abandon 65.95	64.45	20. Jop. 05	abandone 65.20	ea 65.20	6 Apr 05	abandon 64.82	65.58	0 lun 05	abandon 63.80	ed 66.60
EW-6C EW-7C	19-Jan-04 NM	00.00 NM	63.74 NM	19-Apr-07 NM	05.08 NM	04.72 NM	19-Jul-04 NM	06.13 NM	04.27 NM	18-Oct-04 NM	65.95 NM	04.45 NM	20-Jan-05 20-Jan-05	88.61	65.18	6-Apr-05 6-Apr-05	88.36	65.43	9-Jun-05 9-Jun-05	87.68	66.11
EW-7D	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	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	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									
EW-11D	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									
EW-13D	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									
SW-2	10 1. 01	dry	00.00	10.1.07	dry	00.00	40.1.1.04	dry	01.01	10.0.1.01	dry	00.00	00.105	dry	01.00	0.405	dry	00 70	0.105	dry	70.44
DW-2 SW-1	19-Jan-04 19-Jan-04	73.60 68.40	62.82 63.09	19-Apr-07 19-Apr-04	68.20 68.20	68.22 63.29	19-Jul-04 19-Jul-04	74.51 68.32	61.91 63.17	18-Oct-04 18-Oct-04	73.80 68.36	62.62 63.13	20-Jan-05 20-Jan-05	74.50 67.72	61.92 63.77	6-Apr-05 6-Apr-05	73.72 67.30	62.70 64.19	9-Jun-05 NM	66.31 NM	70.11 NM
DW-1	19-Jan-04	68.35	63.03	19-Apr-04	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									
MW-8B	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 MW-10D	22-Jan-04 23-Jan-04	99.12 100.07	61.15 61.10	20-Apr-04 20-Apr-04	98.91 99.65	61.36 61.52	21-Jul-04 21-Jul-04	99.02 100.11	61.25	20-Oct-04 20-Oct-04	98.55 99.33	61.72 61.84	20-Jan-05 20-Jan-05	97.70 98.68	62.57 62.49	14-Apr-05 14-Apr-05	97.12 98.30	63.15 62.87	9-Jun-05 9-Jun-05	96.84 97.98	63.43 63.19
BP-3A	23-Jan-04 NM	100.07 NM	61.10 NM			57.22	21-Jul-04 21-Jul-04	65.87	58.67			59.06		98.66 NM ⁱ	62.49 NM		98.30 64.60	59.94	9-Jun-05 NM	97.96 NM	63.19 NM
BP-3A BP-3B	NM	NM	NM	21-Apr-04	67.32 67.77	57.22		65.87 67.97	55.60	21-Oct-04 21-Oct-04	65.48 66.87	59.06	20-Jan-05	NM ⁱ	NM	14-Apr-05	65.92	59.94	NM	NM	NM
	NM	NM	NM	21-Apr-04			21-Jul-04						20-Jan-05	NM NM ⁱ	NM	14-Apr-05			NM		NM
BP-3C RW-01	NIM	NM abandone		21-Apr-04	67.97 abandon	55.71	21-Jul-04	67.71 abandon	55.97 ed	21-Oct-04	67.09 abandon	56.59 ed	20-Jan-05	abandone		14-Apr-05	66.12 abandon	57.56	INIVI	NM abandon	
		abanuoneo	4		abanuUn			aband01			aband01			abanuUn			aband01			aband011	<u>,u</u>
EX-1	NM	NM	NM	28-Apr-04	79.78	54.53	26-Jul-04	80.15	54.16	26-Oct-049	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 ¹						•												•		•	

IG-3^I Well Transducer Reading at time of depth to water readings

		July 200	05		Septembe	r 2005	1	January	2006	1	March 2	006	T	April 200	06	I	May 200	6	T	July 200	6
		Depth to			Depth to			Depth to			Depth to	1	1	Depth to		1	Depth to	-		Depth to	-
		Water	Water		Water	Water		Water	Water		Water	Water									
	Sample	Below	Elevation	Sample	Below	Elevation	Sample	Below	Elevation	Sample	Below	Elevation									
Well ID	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(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 EW-2A	15-Jul-05 15-Jul-05	65.91 93.55	64.53 63.81	27-Sep-05 27-Sep-05	67.85 95.54	62.59 61.82	26-Jan-06 26-Jan-06	64.00 91.84	66.44 65.52	27-Mar-06 27-Mar-06	63.53 91.11	66.91 66.25	5-Apr-06 5-Apr-06	63.07 90.97	67.37 66.39	22-May-06 22-May-06	63.61 91.15	66.83 66.21	18-Jul-06 18-Jul-06	63.26 91.11	67.18 66.25
EW-2A EW-2B	15-Jul-05 15-Jul-05	93.55	63.94	27-Sep-05 27-Sep-05	95.54	62.02	26-Jan-06 26-Jan-06	91.84	65.65	27-Mar-06 27-Mar-06	91.11	66.29	5-Apr-06	90.97	66.48	22-May-06	91.15	66.22	18-Jul-06	91.11	66.14
EW-2C	15-Jul-05	93.91	63.75	27-Sep-05 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-00	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 64.80	27-Sep-05	98.74	63.04	26-Jan-06	95.35	66.43 66.42	27-Mar-06	94.46 94.58	67.32	5-Apr-06	94.41 94.45	67.37	22-May-06	94.44 94.50	67.34	18-Jul-06	94.50	67.28 67.26
EW-4B EW-4C	15-Jul-05 15-Jul-05	97.00 96.78	64.80 64.76	27-Sep-05 27-Sep-05	98.80 98.50	63.00 63.04	26-Jan-06 26-Jan-06	95.38 95.16	66.38	27-Mar-06 27-Mar-06	94.58 94.33	67.22 67.21	5-Apr-06 5-Apr-06	94.45 94.25	67.35 67.29	22-May-06 22-May-06	94.50 94.19	67.30 67.35	18-Jul-06 18-Jul-06	94.54 94.33	67.26
EW-4C EW-4D	NM	90.78 NM	NM	27-Sep-05 NM	98.50 NM	NM	NM	95.10 NM	NM	NM	94.33 NM	NM	NM	94.25 NM	NM	NM	94.19 NM	NM	18-Jul-06	94.33	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		abandon	ed		abando	ned		abandor	ned		abandor	ned		abandon	ed		abandone	ed		abandone	ed
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 68.24	5-Apr-06	85.44	68.27	22-May-06	85.30	68.41	18-Jul-06	85.50	68.21
EW-8D EW-9D	15-Jul-05 15-Jul-05	66.05 71.94	65.49 65.59	27-Sep-05 3-Oct-05	67.80 73.49	63.74 64.04	26-Jan-06 26-Jan-06	64.10 70.03	67.44 67.50	27-Mar-06 27-Mar-06	63.30 69.25	68.24	5-Apr-06 5-Apr-06	63.32 69.30	68.22 68.23	22-May-06 22-May-06	63.39 69.20	68.15 68.33	18-Jul-06 18-Jul-06	63.52 69.40	68.02 68.13
EW-10C	NM	NM	05.55 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-00 22-May-06	92.35	68.59	18-Jul-06	92.62	68.32
EW-11D	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	22-May-06	39.49	62.64	18-Jul-06	39.53	62.60									
SW-2	45 1 1 05	dry	00.00	07.005	dry	00.01	00.1	dry	05.47	07.14	dry	05.00	5 4	dry	05.00	00.14. 00	dry	00.00	10.1.1.00	dry	05.07
DW-2 SW-1	15-Jul-05 15-Jul-05	72.80 66.60	63.62 64.89	27-Sep-05 27-Sep-05	75.61 68.35	60.81 63.14	26-Jan-06 26-Jan-06	71.25 65.10	65.17 66.39	27-Mar-06 27-Mar-06	70.43 64.13	65.99 67.36	5-Apr-06 5-Apr-06	70.50 64.10	65.92 67.39	22-May-06 22-May-06	70.34 64.18	66.08 67.31	18-Jul-06 18-Jul-06	70.55 64.20	65.87 67.29
DW-1	15-Jul-05	66.52	64.86	27-Sep-05 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									
MW-8B	NM 45 Jul 05	NM 74.50	NM C4.4C	NM	NM 70.00	NM CO.40	NM	NM CO 50	NM CC 40	NM	NM CR 04	NM CC 70	NM	NM C0.75	NM CC 07	22-May-06	NM CO.00	NM CC 70	18-Jul-06	NM CO.00	NM CG 70
MW-8C MW-10B	15-Jul-05 15-Jul-05	71.56 97.99	64.16 63.13	27-Sep-05 27-Sep-05	73.30 99.85	62.42 61.27	26-Jan-06 26-Jan-06	69.53 95.20	66.19 65.92	27-Mar-06 27-Mar-06	68.94 95.60	66.78 65.52	5-Apr-06 5-Apr-06	68.75 95.51	66.97 65.61	22-May-06 22-May-06	69.00 95.60	66.72 65.52	18-Jul-06 18-Jul-06	69.00 95.70	66.72 65.42
MW-10C	15-Jul-05	97.23	63.04	27-Sep-05 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-00	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		abandon	ed		abando	ned		abandor	ned		abandor	ned		abandon			abandone	d		abandone	ed
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	121.00	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 15-Jul-05	34.88	155.00	27-Sep-05 27-Sep-05	29.88	135.00	26-Jan-06 26-Jan-06	20.88	152.00	27-Mar-06 27-Mar-06	21.61	131.00 144.00	5-Apr-06	31.61	146.00 134.00	22-May-06 22-May-06	24.61	145.00	18-Jul-06	18.88	142.00
IW-2 IW-3	15-Jul-05 15-Jul-05	10.61	155.00	27-Sep-05 27-Sep-05	8.61	157.00	26-Jan-06 26-Jan-06	13.61	152.00	27-Mar-06 27-Mar-06	21.61	144.00	5-Apr-06 5-Apr-06	26.26	134.00	22-May-06 22-May-06	24.61	141.00	18-Jul-06 18-Jul-06	18.88	146.00
IW-4	15-Jul-05 15-Jul-05	12.26	154.00	27-Sep-05 27-Sep-05	14.26	152.00	26-Jan-06 26-Jan-06	13.09	155.00	27-Mar-06 27-Mar-06	25.09	149.00	5-Apr-06	26.26	140.00	22-May-06 22-May-06	13.09	145.00	18-Jul-06 18-Jul-06	10.88	151.00
IG-1 ^j	10-04-00	17.03	143.00	21-0ep-00	13.03	147.00	20-Jan-00	15.03	133.00	27-iviai-00	20.08	141.00	3-Api-00	10.03	130.00	22-iviay-00	13.03	133.00	10-301-00	10.00	134.00
10.1																					

IG-3¹ Well Transducer Reading at time of depth to water readings

	r	October 2	2006	1	January 2	007	1	May 2007		1	July 2007			October 20	07		Januarv 20	08		April 200	9	
		Depth to			Depth to	007	<u>н</u>	Depth to			Depth to		,	Depth to			Depth to	00		Depth to	Î	
		Water	Water		Water	Water		Water	Water		Water	Water		Water	Water		Water	Water		Water	Water	
	Sample	Below	Elevation	Sample	Below	Elevation		Below	Elevation		Below	Elevation	Sample	Below	Elevation	Sample	Below	Elevation	Sample	Below	Elevation	Sample
Well ID	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(ft AMSL)	Sample Date	Ref El ^b	(ft AMSL)	Sample Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(ft AMSL)	Date	Ref El ^b	(ft AMSL)	Date
Weinib	Dute	NOI EI	(IT AMOL)	Date	NOT ET		oumpic Date		(IT AMOL)	oumpic Date		(IT AIROL)	Dute	INCI EI		Date		(IT AMOL)	Dute	NCI EI		Date
EW-1A	07-0ct-06	63.98	66.02	4-Jan-07	63.55	66.45	11-May-07	62.21	67.79	5-Jul-07	62.49	67.51	5-Oct-07	62.54	67.46	8-Jan-08	62.95	67.05	10-Apr-08	62.49	67.51	14-Jul-08
EW-1B	07-0ct-06	64.51	66.02	4-Jan-07	64.03	66.50	11-May-07	62.71	67.82	5-Jul-07	63.01	67.52	5-Oct-07	63.03	67.50	8-Jan-08	63.90	66.63	10-Apr-08	63.00	67.53	14-Jul-08
EW-1C	07-0ct-06	64.69	65.75	4-Jan-07	63.99	66.45	11-May-07	62.51	67.93	5-Jul-07	63.14	67.30	5-Oct-07	62.72	67.72	8-Jan-08	63.69	66.75	10-Apr-08	62.71	67.73	14-Jul-08
EW-2A	07-0ct-06	92.40	64.96	4-Jan-07	91.79	65.57	11-May-07	90.25	67.11	5-Jul-07	90.67	66.69	5-Oct-07	90.71	66.65	8-Jan-08	91.35	66.01	10-Apr-08	90.72	66.64	16-Jul-08
EW-2B	07-0ct-06	92.54	65.19	4-Jan-07	92.10	65.63	11-May-07	90.44	67.29	5-Jul-07	91.19	66.54	5-Oct-07	90.82	66.91	8-Jan-08	91.54	66.19	10-Apr-08	90.98	66.75	14-Jul-08
EW-2C	07-0ct-06	92.75	64.91	4-Jan-07	92.29	65.37	11-May-07	90.35	67.31	5-Jul-07	91.32	66.34	5-Oct-07	90.64	67.02	8-Jan-08	91.82	65.84	10-Apr-08	91.25	66.41	14-Jul-08
EW-2D	07-0ct-06	92.54	65.70	4-Jan-07	91.81	66.43	11-May-07	90.75	67.49	5-Jul-07	91.00	67.24	5-Oct-07	90.91	67.33	8-Jan-08	91.40	66.84	10-Apr-08	90.85	67.39	16-Jul-08
EW-3A	07-0ct-06	95.70	63.25	4-Jan-07	95.21	63.74	11-May-07	94.12	64.83	5-Jul-07	94.00	64.95	5-Oct-07	94.35	64.60	8-Jan-08	94.89	64.06	10-Apr-08	94.21	64.74	14-Jul-08
EW-3B	07-0ct-06	95.84	63.25	4-Jan-07	95.33 95.22	63.76 63.73	11-May-07	94.22 94.09	64.87 64.86	5-Jul-07 5-Jul-07	94.30	64.79 64.73	5-Oct-07	94.58	64.51	8-Jan-08	95.09	64.00 63.94	10-Apr-08	94.32	64.77 64.74	14-Jul-08
EW-3C EW-4A	07-0ct-06 07-0ct-06	95.72 95.40	63.23 66.38	4-Jan-07 4-Jan-07	95.22	66.75	11-May-07 11-May-07	94.09	67.98	5-Jul-07 5-Jul-07	94.22 94.02	67.76	5-Oct-07 5-Oct-07	94.48 94.18	64.47 67.60	8-Jan-08 8-Jan-08	95.01 94.98	66.80	10-Apr-08 10-Apr-08	94.21 94.10	67.68	17-Jul-08 15-Jul-08
EW-4B	07-0ct-06 07-0ct-06	95.40	66.36	4-Jan-07 4-Jan-07	95.08	66.72	11-May-07	93.80	67.99	5-Jul-07	94.02	67.72	5-Oct-07	94.18	67.58	8-Jan-08	94.90	66.28	10-Apr-08	94.10	67.68	15-Jul-08
EW-4C	07-0ct-06	95.15	66.39	4-Jan-07	94.75	66.79	11-May-07	93.62	67.92	5-Jul-07	93.80	67.74	5-Oct-07	93.95	67.59	8-Jan-08	94.61	66.93	10-Apr-08	93.82	67.72	16-Jul-08
EW-4D	07-0ct-06	95.22	66.55	4-Jan-07	94.56	67.21	11-May-07	93.95	67.82	5-Jul-07	93.82	67.95	5-Oct-07	94.02	67.75	8-Jan-08	94.59	67.18	10-Apr-08	93.82	67.95	14-Jul-08
EW-5	07-0ct-06	70.57	66.41	4-Jan-07	69.83	67.15	11-May-07	69.24	67.74	5-Jul-07	68.83	68.15	5-Oct-07	69.04	67.94	8-Jan-08	70.00	66.98	10-Apr-08	69.03	67.95	15-Jul-08
EW-6A	07-0ct-06	61.75	68.57	4-Jan-07	61.72	68.60	11-May-07	60.43	69.89	5-Jul-07	60.80	69.52	5-Oct-07	61.01	69.31	8-Jan-08	61.69	68.63	10-Apr-08	61.28	69.04	17-Jul-08
EW-6B		abandon			abandon			abandoned			abandoned			abandone			abandoned			abandone		
EW-6C	07-0ct-06	62.75	67.65	4-Jan-07	62.28	68.12	11-May-07	61.00	69.40	5-Jul-07	61.80	68.60	5-Oct-07	61.30	69.10	8-Jan-08	62.00	68.40	10-Apr-08	61.30	69.10	17-Jul-08
EW-7C	07-0ct-06	86.34	67.45	4-Jan-07	85.68	68.11	11-May-07	84.96	68.83	5-Jul-07	85.02	68.77	5-Oct-07	85.11	68.68	8-Jan-08	85.58	68.21	10-Apr-08	85.20	68.59	14-Jul-08
EW-7D	07-0ct-06	86.35	67.36	4-Jan-07	85.68	68.03	11-May-07	84.75	68.96	5-Jul-07	85.03	68.68	5-Oct-07	85.14	68.57	8-Jan-08	85.52	68.19	10-Apr-08	85.10	68.61	14-Jul-08
EW-8D	07-0ct-06	64.38	67.16	4-Jan-07	63.64	67.90	11-May-07	62.66	68.88	5-Jul-07	62.95	68.59	5-Oct-07	63.02	68.52	8-Jan-08	63.42	68.12	10-Apr-08	62.95	68.59	14-Jul-08
EW-9D	07-0ct-06	70.25	67.28	4-Jan-07	69.62	67.91	11-May-07	68.70	68.83	5-Jul-07	68.90	68.63	5-Oct-07	69.00	68.53	8-Jan-08	69.49	68.04	10-Apr-08	68.80	68.73	14-Jul-08
EW-10C	07-0ct-06	93.49	67.45	4-Jan-07	93.00	67.94	11-May-07	92.22	68.72	5-Jul-07	92.00	68.94	5-Oct-07	92.26	68.68	8-Jan-08	92.88	68.06	10-Apr-08	92.33	68.61	14-Jul-08
EW-11D	07-0ct-06	99.62	65.71	4-Jan-07	98.88	66.45	11-May-07	98.35	66.98	5-Jul-07	98.22	67.11	5-Oct-07	98.30	67.03	8-Jan-08	98.95	66.38	10-Apr-08	96.25	69.08	14-Jul-08
EW-12D	07-0ct-06	98.27	66.15	4-Jan-07	97.77	66.65	11-May-07	97.10	67.32	5-Jul-07	96.87	67.55	5-Oct-07	97.10	67.32	8-Jan-08	97.54	66.88	10-Apr-08	97.10	67.32	14-Jul-08
EW-13D	07-0ct-06	98.48	66.25	4-Jan-07	97.49	67.24	11-May-07	96.76	67.97	5-Jul-07	97.01	67.72	5-Oct-07	97.10	67.63	8-Jan-08	97.54	67.19	10-Apr-08	97.86	66.87	14-Jul-08
EW-14D SW-2	07-0ct-06	41.02 dry	61.11	4-Jan-07	43.50 dry	58.63	15-May-06	39.09 dry	63.04	5-Jul-07	39.50 dry	62.63		gate locke dry	a	8-Jan-08	40.47 dry	61.66	10-Apr-08	39.31 dry	62.82	14-Jul-08
DW-2	07-0ct-06	71.44	64.98	4-Jan-07	79.90	56.52	11-May-07	69.65	66.77	5-Jul-07	69.80	66.62	5-Oct-07	70.01	66.41	8-Jan-08	71.68	64.74	10-Apr-08	69.99	66.43	15-Jul-08
SW-1	07-0ct-06 07-0ct-06	65.03	66.46	4-Jan-07 4-Jan-07	64.73	66.76	11-May-07	63.40	68.09	5-Jul-07	63.70	67.79	5-Oct-07	63.80	67.69	8-Jan-08	64.59	66.90	10-Apr-08	63.74	67.75	15-Jul-08
DW-1	07-0ct-06	64.95	66.43	4-Jan-07	64.62	66.76	11-May-07	63.30	68.08	5-Jul-07	63.57	67.81	5-Oct-07	64.01	67.37	8-Jan-08	64.10	67.28	10-Apr-08	63.64	67.74	15-Jul-08
LF-02	11-Oct-06	40.02	78.68	4-Jan-07	51.65	67.05	11-May-07	50.89	67.81	5-Jul-07	50.80	67.90	5-Oct-07	50.70	68.00	8-Jan-08	51.20	67.50	10-Apr-08	50.70	68.00	16-Jul-08
PPW-1	07-0ct-06	70.23	66.51	4-Jan-07	69.34	67.40	11-May-07	68.66	68.08	5-Jul-07	68.20	68.54	5-Oct-07	68.88	67.86	8-Jan-08	69.14	67.60	10-Apr-08	68.62	68.12	16-Jul-08
WT-01	07-0ct-06	97.54	67.03	4-Jan-07	97.58	66.99	11-May-07	96.35	68.22	5-Jul-07	96.50	68.07	5-Oct-07	96.01	68.56	8-Jan-08	96.60	67.97	10-Apr-08	96.13	68.44	16-Jul-08
MW-6D	07-0ct-06	95.95	64.44	4-Jan-07	94.80	65.59	11-May-07	94.00	66.39	5-Jul-07	93.90	66.49	10-Oct-07	93.80	66.59	8-Jan-08	94.40	65.99	10-Apr-08	93.88	66.51	16-Jul-08
MW-8A	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	10-Apr-08	68.40	64.78	17-Jul-08
MW-8B	07-0ct-06	NM	NM	4-Jan-07	NM	NM	11-May-07	NM	NM	5-Jul-07	NM	NM	10-Oct-07	67.64	NM	8-Jan-08	67.41	56.27	10-Apr-08	67.80	66.44	15-Jul-08
MW-8C	07-0ct-06	70.20	65.52	4-Jan-07	69.38	66.34	11-May-07	68.20	67.52	5-Jul-07	68.65	67.07	10-Oct-07	68.53	67.19	8-Jan-08	69.19	66.53	10-Apr-08	68.50	67.22	16-Jul-08
MW-10B	07-0ct-06	96.79	64.33	4-Jan-07	96.20	64.92	11-May-07	95.20	65.92	5-Jul-07	95.25	65.87	10-Oct-07	95.52	65.60	8-Jan-08	95.84	65.28	10-Apr-08	95.28	65.84	15-Jul-08
MW-10C	07-0ct-06	95.56	64.71	4-Jan-07	95.23	65.04	11-May-07	95.10	65.17	5-Jul-07	94.30	65.97	10-Oct-07	94.48	65.79	8-Jan-08	94.90	65.37	10-Apr-08	94.32	65.95	15-Jul-08
MW-10D	07-0ct-06	97.05	64.12	4-Jan-07	96.00	65.17	11-May-07	94.22	66.95	5-Jul-07	95.40	65.77	10-Oct-07	95.52	65.65	8-Jan-08	95.78	65.39	10-Apr-08	95.18	65.99	15-Jul-08
BP-3A	12-0ct-06	62.27	62.27	18-Jan-07	62.87	61.67	16-May-07	61.47	63.07	12-Jul-07	61.29	63.25	5-Oct-07	61.15	63.39	8-Jan-08	62.91	61.63	10-Apr-08	62.18	62.36	16-Jul-08
BP-3B	12-0ct-06	65.27	58.30	18-Jan-07	64.57	59.00	16-May-07	63.35	NM	12-Jul-07	63.84	59.73	5-Oct-07	NM	NM	8-Jan-08	64.61	58.96	10-Apr-08	NM	NM	17-Jul-08
BP-3C	12-0ct-06	65.50	58.18	18-Jan-07	62.92	60.76	16-May-07	63.56	NM	12-Jul-07	NM	NM	5-Oct-07	NM	NM	8-Jan-08	64.83	58.85	10-Apr-08	nm	NM	17-Jul-08
RW-01		abandon	ed		abandon	ed		abandoned			abandoned			abandone	d		abandoned	d		abandone	d	
															_					_	_	
EX-1	07-0ct-06	79.75	54.56	4-Jan-07	72.27	62.04	10-May-07	NM	NM	5-Jul-07	NM	NM	5-Oct-07	NM	NM	NM	NM	NM	NM	NM	NM	NM
EX-2	07-0ct-06	89.35	56.90	4-Jan-07	88.86	57.39	11-May-07	87.90	58.35	5-Jul-07	80.30	65.95	5-Oct-07	88.31	57.94	NM	NM	NM	NM	NM	NM	NM
EX-3	07-0ct-06	102.96	57.73	4-Jan-07	104.88	55.81	11-May-07	85.57	75.12	5-Jul-07	93.91	66.78	5-Oct-07	94.01	66.68	NM	NM	NM	NM	NM	NM	NM
IW-1	7-Oct-06	24.88	140.00	4-Jan-07	21.88	143.00	22-May-06	19.88	145.00	5-Jul-07	21.88	143.00	5-Oct-07	6.88	158.00	8-Jan-08	5.68	161.00	10-Apr-08	-2.42	167.30	25-Sep-08
IW-2	7-Oct-06	21.88	143.00	4-Jan-07	22.61	143.00	22-May-06	24.61	141.00	5-Jul-07	21.88	143.00	5-Oct-07	8.88	156.00	8-Jan-08	6.51	162.30	10-Apr-08	-5.22	170.10	25-Sep-08
IW-3	7-Oct-06	10.88	154.00	4-Jan-07	11.26	155.00	22-May-06	21.26	145.00	5-Jul-07	14.88	150.00	5-Oct-07	9.88	155.00	8-Jan-08	9.96	161.20	10-Apr-08	-4.72	169.60	25-Sep-08
IW-4	7-Oct-06	11.88	153.00	4-Jan-07	13.09	153.00	22-May-06	13.09	153.00	5-Jul-07	13.88	151.00	5-Oct-07	6.88	158.00	8-Jan-08	10.49	157.80	10-Apr-08	6.48	158.40	25-Sep-08
IG-1 ^j																						

IG-3¹ Well Transducer Reading at time of depth to water readings

	July 2008			October 20	08		January 20	09		April 200	9		July 2009			October 20	09		Jan-10			Apr-10		
	Depth to Water	Water		Depth to Water	Water		Depth to Water	Water		Depth to Water	Water		Depth to Water	Water		Depth to Water	Water		Depth to Water	Water		Depth to Water	Water	
Well ID	Below Ref El ^b	Elevation (ft AMSL)	Sample Date	Below Ref El ^b (ft)	Elevation (ft AMSL)	Sample Date	Below Ref El ^b (ft)	Elevation (ft AMSL)	Sample Date	Below Ref El ^b (ft)	Elevation (ft AMSL)	Sample Date	Below Ref El ^b (ft)	Elevation (ft AMSL)	Sample Date	Below Ref El ^b (ft)	Elevation (ft AMSL)	Sample Date	Below Ref El ^b (ft)	Elevation (ft AMSL)	Sample Date	Below Ref El ^b (ft)	Elevation (ft AMSL)	Sample Date
EW-1A	62.97	67.03	7-Oct-08	63.58	66.42	12-Jan-09	63.22	66.78	6-Apr-09	62.54	67.46	13-Jul-09	62.85	67.15	19-Oct-09	64.00	66.00	14-Jan-10	64.85	65.15	1-Apr-10	63.30	66.70	8-Jul-10
EW-1B	63.86	66.67	7-Oct-08	64.38	66.15	12-Jan-09	63.82	66.71	6-Apr-09	63.22	67.31	13-Jul-09	63.63	66.90	19-Oct-09	64.50	66.03	14-Jan-10	64.50	66.03	1-Apr-10	63.87	66.66	8-Jul-10
EW-1C EW-2A	63.72 91.53	66.72 65.83	7-Oct-08 9-Oct-08	64.30 91.59	66.14 65.77	12-Jan-09 12-Jan-09	63.84 91.90	66.60 65.46	6-Apr-09 7-Apr-09	63.07 90.45	67.37 66.91	13-Jul-09 13-Jul-09	63.79 90.93	66.65 66.43	19-Oct-09 20-Oct-09	64.90 92.41	65.54 64.95	14-Jan-10 14-Jan-10	64.20 92.65	66.24 64.71	1-Apr-10 1-Apr-10	63.73 91.28	66.71 66.08	8-Jul-10 8-Jul-10
EW-2B	91.80	65.93	10-Oct-08	92.65	65.08	12-Jan-09	91.40	66.33	7-Apr-09	11.38	146.36	13-Jul-09	91.56	66.17	20-Oct-09	92.56	65.17	14-Jan-10	92.65	65.08	1-Apr-10	91.58	66.15	13-Jul-10
EW-2C	91.35	66.31	9-Oct-08	92.40	65.26	12-Jan-09	91.79	65.87	7-Apr-09	91.20	66.46	14-Jul-09	91.73	65.93	21-Oct-09	92.57	65.09	14-Jan-10	93.12	64.54	1-Apr-10	91.50	66.16	14-Jul-10
EW-2D EW-3A	91.79 94.64	66.45 64.31	7-Oct-08 8-Oct-08	92.18 95.15	66.06 63.80	13-Jan-09 13-Jan-09	91.62 94.83	66.62 64.12	7-Apr-09 8-Apr-09	91.28 94.60	66.96 64.35	14-Jul-09 14-Jul-09	91.81 94.78	66.43 64.17	20-Oct-09 19-Oct-09	92.64 95.65	65.60 63.30	19-Jan-10 15-Jan-10	92.33 95.50	65.91 63.45	6-Apr-10 5-Apr-10	90.65 94.28	67.59 64.67	13-Jul-10 9-Jul-10
EW-3B	94.96	64.13	8-Oct-08	95.48	63.61	13-Jan-09	94.75	64.34	8-Apr-09	94.93	64.16	14-Jul-09	94.93	64.16	19-Oct-09	95.96	63.13	15-Jan-10	95.86	63.23	5-Apr-10	94.13	64.96	9-Jul-10
EW-3C	94.85	64.10	8-Oct-08	95.24	63.71	13-Jan-09	94.69	64.26	7-Apr-09	94.84	64.11	14-Jul-09	94.75	64.20	19-Oct-09	95.83	63.12	15-Jan-10	96.75	62.20	5-Apr-10	94.10	64.85	9-Jul-10
EW-4A EW-4B	95.20 94.76	66.58 67.04	7-Oct-08 7-Oct-08	95.50 95.68	66.28 66.12	13-Jan-09 13-Jan-09	94.90 95.00	66.88 66.80	6-Apr-09 7-Apr-09	94.68 94.62	67.10 67.18	14-Jul-09 14-Jul-09	95.10 95.32	66.68 66.48	20-Oct-09 20-Oct-09	97.20 97.00	64.58 64.80	15-Jan-10 15-Jan-10	95.64 96.35	66.14 65.45	5-Apr-10 5-Apr-10	94.55 94.84	67.23 66.96	9-Jul-10 9-Jul-10
EW-4D	94.77	66.77	7-Oct-08	95.15	66.39	13-Jan-09	94.20	67.34	7-Apr-09	94.25	67.29	14-Jul-09	94.57	66.97	20-Oct-09	95.92	65.62	15-Jan-10	96.10	65.44	5-Apr-10	94.12	67.42	9-Jul-10
EW-4D	94.85	66.92	6-Oct-08	95.33	66.44	12-Jan-09	94.48	67.29	6-Apr-09	94.20	67.57	13-Jul-09	94.56	67.21	19-Oct-09	95.65	66.12	18-Jan-10	95.42	66.35	5-Apr-10	94.07	67.70	12-Jul-10
EW-5 EW-6A	70.50 61.84	66.48 68.48	8-Oct-08 7-Oct-08	70.55 62.31	66.43 68.01	14-Jan-09 14-Jan-09	69.63 61.55	67.35 68.77	8-Apr-09	69.65 61.28	67.33 69.04	15-Jul-09 14-Jul-09	69.50 61.51	67.48 68.81	21-Oct-09 20-Oct-09	72.32 62.62	64.66 67.70	19-Jan-10 19-Jan-10	71.70 61.77	65.28 68.55	6-Apr-10 7-Apr-10	69.19 60.95	67.79 69.37	13-Jul-10 13-Jul-10
EW-6B	abandoned	00.40	7-001-00	abandone	d 00.01	14-Jd11-09	abandoned		7-Apr-09	abandone	d 09.04	14-Jui-09	abandone	d 00.01	20-001-09	abandone		19-Jan-10	abandone	d 00.00	7-Api-10	abandone	d 09.37	13-Jul-10
EW-6C	62.30	68.10	7-Oct-08	62.80	67.60	13-Jan-09	61.89	68.51	7-Apr-09	61.94	68.46	14-Jul-09	62.10	68.30	20-Oct-09	63.18	67.22	19-Jan-10	62.56	67.84	7-Apr-10	61.30	69.10	13-Jul-10
EW-7C EW-7D	85.83 85.85	67.96 67.86	6-Oct-08 6-Oct-08	86.39 86.35	67.40 67.36	12-Jan-09 12-Jan-09	85.69 85.53	68.10 68.18	6-Apr-09 6-Apr-09	97.43 97.35	56.36 56.36	13-Jul-09 13-Jul-09	85.68 85.64	68.11 68.07	19-Oct-09 19-Oct-09	86.80 86.86	66.99 66.85	18-Jan-10 18-Jan-10	86.17 86.24	67.62 67.47	5-Apr-10 5-Apr-10	84.98 85.05	68.81 68.66	12-Jul-10 12-Jul-10
EW-7D EW-8D	63.68	67.86	6-Oct-08	64.24	67.30	12-Jan-09	63.49	68.05	6-Apr-09	63.13	68.41	13-Jul-09	63.51	68.03	19-Oct-09	64.70	66.84	18-Jan-10	64.08	67.46	5-Apr-10	62.92	68.62	12-Jul-10
EW-9D	69.58	67.95	6-Oct-08	70.15	67.38	12-Jan-09	69.40	68.13	6-Apr-09	69.27	68.26	13-Jul-09	69.62	67.91	19-Oct-09	70.68	66.85	18-Jan-10	70.21	67.32	5-Apr-10	68.99	68.54	12-Jul-10
EW-10C	92.93 99.07	68.01	7-Oct-08	93.59	67.35	13-Jan-09	92.84	68.10	6-Apr-09	92.62	68.32	13-Jul-09	92.93	68.01	19-Oct-09	94.03	66.91	18-Jan-10	93.26	67.68	5-Apr-10	92.00	68.94	13-Jul-10
EW-11D EW-12D	99.07	66.26 66.56	6-Oct-08 6-Oct-08	99.52 98.35	65.81 66.07	13-Jan-09 13-Jan-09	98.72 97.73	66.61 66.69	6-Apr-09 6-Apr-09	98.63 97.35	66.70 67.07	13-Jul-09 13-Jul-09	98.93 97.85	66.40 66.57	19-Oct-09 19-Oct-09	100.06 98.91	65.27 65.51	18-Jan-10 18-Jan-10	99.65 98.36	65.68 66.06	5-Apr-10 5-Apr-10	97.92 96.93	67.41 67.49	12-Jul-10 12-Jul-10
EW-13D	97.94	66.79	6-Oct-08	98.25	66.48	12-Jan-09	97.38	67.35	6-Apr-09	97.30	67.43	13-Jul-09	97.70	67.03	19-Oct-09	98.72	66.01	18-Jan-10	98.10	66.63	5-Apr-10	96.57	68.16	12-Jul-10
EW-14D	40.17	61.96	7-Oct-08	40.34	61.79	13-Jan-09	39.68	62.45	7-Apr-09	40.02	62.11	14-Jul-09	39.75	62.38	20-Oct-09	41.18	60.95	19-Jan-10	40.95	61.18	5-Apr-10	38.08	64.05	12-Jul-10
SW-2 DW-2	dry 70.60	65.82	8-Oct-08	dry 70.96	65.46	14-Jan-09	dry 70.80	65.62	6-Apr-09	dry 69.95	66.47	13-Jul-09	dry 70.17	66.25	21-Oct-09	dry 71.85	64.57	19-Jan-10	dry 70.20	66.22	6-Apr-10	dry 70.32	66.10	13-Jul-10
SW-1	64.50	66.99	8-Oct-08	64.05	67.44	14-Jan-09	64.65	66.84	7-Apr-09	64.00	67.49	15-Jul-09	64.34	67.15	21-Oct-09	65.40	66.09	19-Jan-10	65.15	66.34	6-Apr-10	64.31	67.18	8-Jul-10
DW-1	64.20	67.18	8-Oct-08	64.64 51.94	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 22-Oct-09	65.23	66.15	19-Jan-10 19-Jan-10	65.81	65.57	6-Apr-10	63.85	67.53	8-Jul-10
LF-02 PPW-1	52.54 69.65	66.16 67.09	8-Oct-08 9-Oct-08	69.79	66.76 66.95	14-Jan-09 Permane	51.60 ently closed	67.10 Oct. 2008	8-Apr-09 Permane	51.20 ently closed	67.50 Oct. 2008	15-Jul-09 Permane	51.50 ently closed	67.20 Oct. 2008		52.35 ently closed	66.35 Oct. 2008		52.53 ently closed	66.17 Oct. 2008	7-Apr-10 Permane	51.10 ently closed	67.60 Oct. 2008	12-Jul-10 Permane
WT-01	96.65	67.92	9-Oct-08	97.29	67.28	14-Jan-09	96.63	67.94	7-Apr-09	96.52	68.05	14-Jul-09	96.71	67.86	21-Oct-09	97.59	66.98	20-Jan-10	96.42	68.15	8-Apr-10	95.38	69.19	14-Jul-10
MW-6D MW-8A	94.82 68.40	65.57 64.78	8-Oct-08 8-Oct-08	94.99 69.25	65.40 63.93	14-Jan-09 14-Jan-09	94.80 68.91	65.59	8-Apr-09	94.35 68.44	66.04 64.74	15-Jul-09	94.71	65.68 64.63	21-Oct-09	95.74 69.92	64.65	20-Jan-10 21-Jan-10	95.73	64.66	6-Apr-10	94.20	66.19 64.48	14-Jul-10 14-Jul-10
MW-8B	68.40	64.78 NM	8-Oct-08	70.14	64.10	14-Jan-09 15-Jan-09	68.40	64.27 65.84	9-Apr-09 9-Apr-09	67.58	66.66	16-Jul-09 16-Jul-09	68.55 65.70	68.54	22-Oct-09 22-Oct-09	69.92	63.26 64.69	21-Jan-10 21-Jan-10	68.76 69.44	64.42 64.80	7-Apr-10 7-Apr-10	68.70 67.05	67.19	14-Jul-10 14-Jul-10
MW-8C	69.21	66.51	8-Oct-08	70.30	65.42	14-Jan-09	68.90	66.82	9-Apr-09	69.00	66.72	16-Jul-09	69.00	66.72	22-Oct-09	70.26	65.46	21-Jan-10	70.08	65.64	7-Apr-10	68.40	67.32	15-Jul-10
MW-10B	95.66	65.46	8-Oct-08	96.30	64.82	14-Jan-09	95.82	65.30	8-Apr-09	95.72	65.40	15-Jul-09	95.81	65.31	21-Oct-09	96.84	64.28	20-Jan-10	96.68	64.44	6-Apr-10	95.07	66.05	13-Jul-10
MW-10C MW-10D	95.95 96.12	64.32 65.05	9-Oct-08 9-Oct-08	95.34 96.15	64.93 65.02	15-Jan-09 15-Jan-09	94.80 95.47	65.47 65.70	8-Apr-09 8-Apr-09	94.74 95.70	65.53 65.47	15-Jul-09 15-Jul-09	94.99 95.93	65.28 65.24	21-Oct-09 21-Oct-09	95.83 95.73	64.44 65.44	20-Jan-10 20-Jan-10	95.75 96.46	64.52 64.71	6-Apr-10 6-Apr-10	94.00 94.35	66.27 66.82	14-Jul-10 14-Jul-10
BP-3A	62.08	62.46	8-Oct-08	62.35	62.19	14-Jan-09	62.50	62.04	9-Apr-09	64.45	60.09	13-Jul-09	61.80	62.74	22-Oct-09	62.65	61.89	20-Jan-10	63.53	61.01	7-Apr-10	61.24	63.30	12-Jul-10
BP-3B	64.43	NM	9-Oct-08	64.51	59.06			123.57	9-Apr-09	64.45	59.12	16-Jul-09	63.90	59.67	22-Oct-09	65.34	58.23	21-Jan-10	65.25	58.32	8-Apr-10	nr	#VALUE!	15-Jul-10
BP-3C RW-01	84.71 abandoned	NM	9-Oct-08	64.76 abandone	58.92	15-Jan-09	64.78 abandoned	58.90	9-Apr-09	64.64 abandone	59.04	16-Jul-09	64.10 abandone	59.58	26-Oct-09	65.79 abandone	57.89	20-Jan-10	63.30 abandone	60.38	7-Apr-10	62.03 abandone	61.65	12-Jul-10
RW-01	abandoned			abanuone	u		abandoned	1		abanuone	u		abanuone	<u>u</u>		abanuone	u		abanuone	1		abandone	1	
EX-1	NM	NM	16-Oct-08	80.70	53.61	20-Jan-09	80.40	53.91	14-Apr-09	80.52	53.79	20-Jul-09	68.30	66.01	13-Oct-09	69.29	65.02	11-Jan-10	82.68	51.63	12-Apr-10	81.56	52.75	26-Jul-10
EX-2	NM	NM	16-Oct-08	87.98	58.27	20-Jan-09	86.90	59.35	14-Apr-09	87.45	58.80	20-Jul-09	87.50	58.75	13-Oct-09	85.62	60.63	11-Jan-10	89.40	56.85	12-Apr-10	87.90	58.35	20-Jul-10
EX-3	NM	NM	16-Oct-08	104.60	56.09	20-Jan-09	84.96	75.73	14-Apr-09		#VALUE!	20-Jul-09	91.00	69.69	13-Oct-09	107.10	53.59	11-Jan-10	95.20	65.49	12-Apr-10	87.30	73.39	20-Jul-10
IW-1	1.60	163.28	17-Oct-08	6.05	158.83	20-Jan-09	0.00	164.88	1-Apr-09	15.00	149.88	21-Jul-09	0.46	164.42	28-Oct-09	2.57	162.31	22-Jan-10	4.44	160.44	24-Mar-10	5.25	159.63	24-Jun-10
IW-2	3.85	161.76	17-Oct-08	6.80	158.81	20-Jan-09	16.10	149.51	1-Apr-09	18.30	147.31	21-Jul-09	17.70	147.91	28-Oct-09	18.30	147.31	22-Jan-10	16.40	149.21	24-Mar-10	11.98	153.63	24-Jun-10
IW-3	1.62	164.64	17-Oct-08	10.55	155.71	20-Jan-09	4.70	161.56	1-Apr-09	10.77	155.49	21-Jul-09	9.20	157.06	28-Oct-09	4.70	161.56	22-Jan-10	104.50	61.76	24-Mar-10	5.30	160.96	24-Jun-10
IW-4 IG-1 ^j	11.80	154.29	17-Oct-08	10.55	155.54	20-Jan-09	7.50	158.59	1-Apr-09	18.20	147.89	21-Jul-09	19.90	146.19	28-Oct-09	17.53	148.56	22-Jan-10	5.10	160.99	24-Mar-10	8.98	157.11	24-Jun-10
IG-1 ⁱ																								
Well Transducer	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
Reading at time of	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
depth to water readings	IW-3 IW-4		17-Oct-08 17-Oct-08		159.5 158.5	20-Jan-09 20-Jan-09		165.2 161.8	1-Apr-09 1-Apr-09		159.2 151.3	21-Jul-09 21-Jul-09		160.8 150.3	28-Oct-09 28-Oct-09		165.9 152.6	22-Jan-10 22-Jan-10		61.5 163	24-Mar-10 24-Mar-10		154.5 157.7	24-Jun-10 24-Jun-10
			00.00		100.0	-5 0an 03					dina on Ext-3	(95.5 feet)		100.0	20 00000		102.0			100	- / Wiai 10		101.1	- · · · · · · · · · · · · · · · · · · ·

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

	Jul-10			Oct-10	
	Depth to			Depth to	
	Water	Water		Water	Water
	Below Ref	Elevation	Sample	Below Ref	Elevation
Well ID	El ^b (ft)	(ft AMSL)	Date	El ^b (ft)	(ft AMSL)
EW-1A	62.00	68.00	12-Oct-10	63.10	66.90
EW-1B	61.90	68.63	12-Oct-10	63.00	67.53
EW-1C	61.75	68.69	12-Oct-10	63.48	66.96
EW-2A	90.20	67.16	12-Oct-10	91.52	65.84
EW-2B	90.20	67.53	12-Oct-10	91.70	66.03
EW-2C	90.05	67.61	12-Oct-10	91.85	65.81
EW-2D	89.91	68.33	12-Oct-10	91.74	66.50
EW-3A	92.68	66.27	12-Oct-10	94.61	64.34
EW-3B	93.03	66.06	12-Oct-10	94.84	64.25
EW-3C	93.00	65.95	12-Oct-10	94.81	64.14
EW-4A EW-4B	93.40	68.38	12-Oct-10	94.78 94.83	67.00
EW-46 EW-4C	93.63 92.95	68.17 68.59	12-Oct-10 12-Oct-10	94.63	66.97 66.93
EW-40 EW-4D	92.95	68.76	12-Oct-10 12-Oct-10	94.61	66.84
EW-5	69.32	67.66	12-Oct-10	69.06	67.92
EW-6A	59.93	70.39	12-Oct-10	61.92	68.40
EW-6B	abandoned			abandone	
EW-6C	60.48	69.92	12-Oct-10	62.00	68.40
EW-7C	84.13	69.66	12-Oct-10	85.93	67.86
EW-7D	84.10	69.61	12-Oct-10	85.83	67.88
EW-8D	61.83	69.71	12-Oct-10	60.73	70.81
EW-9D	67.89	69.64	12-Oct-10	60.73	76.80
EW-10C	93.82	67.12	12-Oct-10	97.71	63.23
EW-11D EW-12D	97.24 96.03	68.09 68.39	12-Oct-10 12-Oct-10	99.01 97.72	66.32 66.70
EW-12D EW-13D	96.03	68.46	12-Oct-10 12-Oct-10	97.72	72.02
EW-13D EW-14D	38.25	63.88	17-Nov-10	40.81	61.32
SW-2	dry	05.00	17-100-10	dry	01.32
DW-2	69.07	67.35	12-Oct-10	70.71	65.71
SW-1	62.69	68.80	12-Oct-10	64.47	67.02
DW-1	62.28	69.10	12-Oct-10	63.83	67.55
LF-02	46.64	72.06	12-Oct-10	51.60	67.10
PPW-1	ntly closed	Oct. 2008		ently closed	
WT-01	92.42	72.15	12-Oct-10	97.15	67.42
MW-6D	92.59	67.80	12-Oct-10	94.70	65.69
MW-8A	66.86	66.32	17-Nov-10	70.50	62.68
MW-8B MW-8C	66.10 67.43	68.14 68.29	17-Nov-10 12-Oct-10	68.98 65.92	65.26
MW-10B	90.95	70.17	12-Oct-10 12-Oct-10	95.88	69.80 65.24
MW-10D	92.93	67.34	12-Oct-10	95.30	64.97
MW-100	94.20	66.97	12-Oct-10	96.10	65.07
BP-3A	59.35	65.19	3-Nov-10	62.03	62.51
BP-3B	62.21	61.36	3-Nov-10	64.90	58.67
BP-3C	62.30	61.38	3-Nov-10	65.05	58.63
RW-01	abandoned		0110110	abandone	
**		·			
EX-1	79.20	55.11	12-Oct-10	80.15	54.16
EX-2	87.10	59.15	12-Oct-10	88.30	57.95
EX-3	107.22	53.47	12-Oct-10	107.90	52.79
IW-1	5.20	159.68	14-Oct-10	5.40	159.48
IW-2	11.98	153.63	14-Oct-10	13.78	151.83
IW-3	5.30	160.96	14-Oct-10	5.40	160.86
IW-4	8.98	157.11	14-Oct-10	12.83	153.26
IG-1 ^j					
IG-3 ^j					
		162.5	14-Oct-10		161.2
Well Transducer Reading at time of		147.0	14-Oct-10		124.4
depth to water		154.8	14-Oct-10		163.6
readings		155.2	14-Oct-10		154.1

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

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

November 2010

Table 15-1Injection Well SoundingsClaremont Polychemical Superfund Site

	Injectio	n Well 1	Injectio	on Well 2	Injectio	on Well 3	Injectio	n Well 4
	Depth to		Depth to		Depth to		Depth to	
Date	Bottom (ft)	Difference	Bottom (ft)	Difference	Bottom (ft)	Difference	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	<mark>-2.00</mark> 3.95	242.02	-0.12	249.60	-0.10	198.98	0.32
5/30/2008	218.55		241.90 241.95	0.12 -0.05	249.47	0.13 -0.03	198.65	0.33
6/26/2008	218.60	-0.05			249.50		198.65	
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	241.88 242.12	0.05	249.50 249.54	0.02	198.59	0.01
11/20/2008	198.05 178.29	2.63		-0.24		-0.04	198.64	-0.05
12/29/2008		19.76 10.79	242.10	0.02	249.15	0.39 0.28	198.30	0.34 0.02
1/26/2009	167.50	10.79	241.90	0.20	248.87	0.20	198.28	0.02

Table 15-1Injection Well SoundingsClaremont Polychemical Superfund Site

2/25/2009	151.20	16.30	242.00	-0.10	248.80	0.07	198.80	-0.52
3/13/2009	148.68	2.52	241.87	0.13	248.94	-0.14	198.28	0.52
4/17/2009	148.52	0.16	241.67	0.20	249.00	-0.06	198.10	0.18
5/15/2009	147.60	0.92	241.64	0.03	249.05	-0.05	198.10	0.00
6/8/2009	147.50	0.10	241.60	0.04	248.95	0.10	197.92	0.18
7/27/2009	147.20	0.30	242.40	-0.80	249.00	-0.05	197.90	0.02
8/13/2009	147.20	0.00	241.55	0.85	248.90	0.10	198.00	-0.10
9/16/2009	147.20	0.00	241.50	0.05	248.90	0.00	198.00	0.00
10/28/2009	147.20	0.00	241.44	0.06	248.50	0.40	197.95	0.05
11/19/2009	146.90	0.30	241.50	-0.06	248.53	-0.03	198.00	-0.05
12/10/2009	147.40	-0.50	242.50	-1.00	249.20	-0.67	198.10	-0.10
1/22/2010	147.20	0.20	241.80	0.70	248.50	0.70	198.00	0.10
3/4/2010	147.28	-0.08	241.20	0.60	245.45	3.05	198.00	0.00
3/24/2010	144.95	2.33	241.60	-0.40	248.30	-2.85	198.00	0.00
4/19/2010	147.25	-2.30	241.65	-0.05	247.70	0.60	198.00	0.00
5/26/2010	147.28	-0.03	241.80	-0.15	248.00	-0.30	198.00	0.00
6/24/2010	147.18	0.10	241.72	0.08	248.80	-0.80	198.00	0.00
7/27/2010	144.50	2.68	241.10	0.62	248.90	-0.10	198.00	0.00
8/19/2010	146.95	-2.45	241.70	-0.60	249.05	-0.15	198.00	0.00
9/14/2010	146.00	0.95	241.70	0.00	249.10	-0.05	198.00	0.00
10/14/2010	145.90	0.10	241.65	0.05	249.10	0.00	198.00	0.00
11/8/2010	144.46	1.44	241.60	0.05	249.00	0.10	198.00	0.00
Change 6/17/0	4 to present	104.04		6.90		4.20		7.00
Change 6-04 tl *Injection wells	0	1.00 /-3 redevelope	ed during wee	2.81 ek ending 3/17	7/2006	4.01		1.02
Change 3-06 the change 3-06 the change 3-06 the change structure to the change		2.90 -3 were redev	eloped during	3.57 g week ending	11/9/07	0.87		3.61
Change 11-07 Injection wells		21.70 -3 were redev	eloped during	0.10 g week ending	4/25/08	0.10		1.75
Change 4/08 to	o present	78.04		0.42		0.60		0.98

APPENDIX A

Project Status Reports

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

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

Quantity of Water Treated

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

General Activities and Events

This Reporting Period

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

Upcoming

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

Reporting and Documentation

This Reporting Period

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

Upcoming

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

Operations and Maintenance Activities

This Reporting Period

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

Upcoming

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

Site Sampling and Analysis

This Reporting Period

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

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

Upcoming

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

Database Development and Modeling

This Reporting Period

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

Upcoming

• Finalize the groundwater modeling report.

Human Machine Interface (HMI) and Controls

This Reporting Period

• No new HMI activities this period

Upcoming

• Connection of the third injection pump to the system.

Transition of Facility to NYSDEC

This Reporting Period

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

Upcoming

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

Budget/ Finance Status

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

Miscellaneous Issues or Problems Encountered

• No new issues to note

Upcoming

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

General Activities Schedule

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

APPENDIX B

Daily Quality Control Reports (DQCRs)

CLAREMONT POLYCHEMICAL SUPERFUND SITE OLD BETHPAGE, NEW YORK

VISITOR/SUBCONTRACTOR LOG

Month & Year 01

ſ	DATE	NAME		COMPANY	IN	OUT
	11/2/10	TOE WILLICH	De Willin	SATE	1645	1850
	10/3/11	MIKE FLAHEETY		NEDRW	1015	1040
	11/3/10	MARCIANO CIPRIAND	Milir	NC Dog. DW	12.15	1430
	<u></u>			·	••••••••••••••••••••••••••••••••••••••	······
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Doc. No.: CPS-Form-010 July 1, 2008 Rev.: D

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

Day: Monday Date: 11-01-10

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

Total Volume Processed for Day:

Plant Operating Hours: 24:00 hrs.

-

554,653 gallons

Total Downtime: 00:00 hrs.

Reason for Downtime:

No downtime to report.

Significant Operational Problems:

Drain valve on sludge tank is clogged

Corrective Maintenance Performed:

Transferred sludge tank to filter press by M-8 pump over the tank top

Verbal/Written Instruction from Government Personnel:

No new instructions received

Inspections Performed and Results:

Site safety inspection was completed

Record of any tests performed, samples taken, and personnel involved:

Plant pH and temperature readings were recorded Plant air monitoring was completed. No emissions

Available Analytical Results:

No new data was available.

Calibration Procedures Performed:

Process pH meters were calibrated Lab ph meter was calibrated and logged in PID meter was calibrated and logged in

General Remarks:

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

End of the month documentation continues

Pitit Whach Peter Takach, November 2, 2010

Plant Manager Signature:

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Attachments:

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

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

					•	. •	•
Operator: J	Jacks	<u>bin</u>	Day: MON	1DAL	Date: 11 - ()	1-10	Time: 050
PLAN	INFLUENT FLO	W (GPM)	7 ·		PLANT EFFLUE		0
TRAIN 1	TRAIN 2	TOTAL	4	PUMP	SYPHON		10,000) GALs
185	185	370		342		7.51	7.0
	-	**************************************					
Extraction	Signet	TOTAL I	EXTRACTED GA	LLONS (HMI -	Flow Data)	Motor	System
Wells	Flow Meter			to 12:00 am)		Amp	Operating
•	Total Volume	T-1	T-2	T-3	T-4	Load	Hours
W-1	330866	169830	164220	164310	167890	\leq	63860
W-2	270363	185790	179 810	179.821			57636
W-3	247355	193790	161330	187 490	1918-60		107001
Iningtion		0				•	
Injection Wells	Water Level	Signet Meter	Signet Meter	Observations a			
VVens N-1	ft. AMSL (HMI)	Flow Rate	Total Volume	COOL N	NORMINY	TEMD J	2.34°
N-2	-163.0-	<u>96 ·</u> 95	4458280		~ ~		
N-3	11.3.4		4109703	FLAM	RAN FIN	E, OVER	NIGH
N-4	154.5	<u> </u>	37111595				•
			13/14/92				· · · ·
Process	System	Motor	System Pres	sure Gauges	1		<u> </u>
Pumps	Operating	Amp	Suction Side	Discharge Side	-		
	Hours	Load	PSI	PSI	СОММЕ	INTS	· í
NF 1	74952	NIM)			1110	
NF 2	73739		j	8			
NF 3	28782		SR	SB	STAN	1)-121	
SF 1	41989		2	٢٢		<u></u>	
SF 2	49715		2	31			
SF 3	42925		53	31	STAN	ID-BU	
AC 1	425.61		4	5			
AC 2 AC 3	4.67.65		2	. 15			
EC 1	33826		- SA	SR	STANI	じょって	
EC 2	21936		<u>0</u> []]	- OFF			
IJ 1			_170_	07:1			
1J 2	65892	·		<u> </u>			
1.1 3	1 2 2 6 3 1		115		414		<u> </u>
UMP			-NUS	NIS	16511	1 SERI	
LOWER	1			•			
	·/	¥			· · · ·		
	INLET	OUTLET				System Probe	Lab Meter
AC #1 (PSI)		E			_ pH [DAILY	WEEKLY
AC #2 (PSI)	n	11			Reactor Tank 1	532	6.04 15°C
R DRIER (PSI)	$\left \begin{array}{c} 0 \\ \end{array} \right $	<u>GL</u>		r	Reactor Tank 2	5.34	6.05 15%
					AS. Feed	6.34	6.29 1400
Biower (H ₂ O") Temp (°F)	4.9				PLANT DISCHARG		640
		560		[PLANT DISCHARGI	E - Temp.	1708
ater Temp (°F) GAC #1 (H ₂ 0")	7 1 5	15°5					
GAC #2 (H ₂ 0")	6:62	$\frac{D.OC}{C}$: .			
	(/~~	(24		Ĥ	SAND FILTER DE		
ditional comm	ents:				M	leasurement 1	
				ŀ	Treat. Train 1	· AM 13%''	If needed
··· ··· ···					Treat. Train 2	13/4"	
			. I	L		10/4	
		<u> </u>	· · · ·	,	NM = Not Measure	'nd	NIS = Not in servic
					OL ≈ Off Line	· •	
	\sim				SB = Standby		
	1	\sim					
pervisors Signa	ture: to hi	Me. L	Ľ	Date	0		
					2-10	•	
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DAILY ACTIVITIES SUMMARY REPORT CLAREMONT POLYCHEMICAL SUPERFUND SITE OLD BETHPAGE, NEW YORK

OPERATOR: JJACKSON

DATE: 11-01-10

LIGTING OF ODERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
LISTING OF OPERATIONS ACTIVITIES	
1) · PLANT PAN FINE DVERTHE	LEEKENLD.
	DE LIERE ERMINICER
3) . THE WEERLY PhETEN	INS MERCE FUM PLELED
4)	
5) · PID INAS CALIBRATER	LAR NUCKLITTOPING WIAS
5) · FID INAS CALINZALEL	
6) DOME	
7)	
8) . THE DAILY ODERATORS	LOG KIAS LOMPIETED
•	
9)	
10) · SIUDGE TANK IS BEING PL	MDED FROM THE TOP
11) TO FILTER PRESS	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) DOLO = LEAVING DEFER. IN	OPKING 1/2 DAY, WILL
2) BE GOING TO FIRST ALD	EAINING FROM 6.00 PM-
3) 10:30 PATTONICAT.)
4)	
5) · UPDER & LOWIER LEVEL WINS	POPTIONTILY HOSED DUN
5) · UPDER & LOWER LEVEL WAS	of.
7)	4
8) · JOE WIISON	
9)	
10) AIR MMURRING	•
11)	

			in the second second			
·		IDENTIFIED PROB	LEMS AND REC		CTIONS	
)			1			• •
· · · · · · · · · · · · · · · · · · ·					-	
			····			
	<u> </u>		ſ	······		
		· · ·				•

Votach 11-2-10

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

DATE: 11-01-10

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

	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
Chemical Feed Skids	l l		1	NIDT
POLYMER CAUSTIC				
POTASSIUM PERMANGANATE	· · ·			1 N
HYDROCHLORIC ACID				SER VICE
HIDROCHLORIC ACID	L			
Process Tanks		Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION		~	V	OK
TREATED WATER			V	04
REACTORS	and an end of the second s	V	V	CV
CLARIFIERS		V		
SAND FILTERS			·V	
CARBON VESSELS (liq)		V	V	OR
	, and a later - and sets that I am			
Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT				OV.
SLUDGE SETTLER			V.	
RECYCLE		1		02
AIR STRIPPER FEED				
CARBON FEED				(7)
INJECTION		V		
11020120.0				
Floor and General Work Areas	General	Conditions a	and Comme	ents
SLIP, TRIP, & FALL HAZARDS	5MA	UL AM	IOUNT	OF WATER ON FLOOR
SHARP EDGES	NO	NE		4 · · · · · · · · · · · · · · · · · · ·
PINCH POINTS	11			
OTHER HAZARDS	11			
	<u>.</u>			· · ·
Air Compressor	General	Conditions a	and Comme	ents
TANK			•	
AFTER COOLER		OE	FUN	E
AIR DRIER				
MOTOR & COMPRESSOR				
Air Stripper	General	Conditions a	and Comme	ents
COLUMN	<u>lok</u>			·
BLOWER & BELTS	OC.			
CARBON VESSELS	OK_		<u></u>	
Notes and Comments:				
			,	*
				· · ·
	· _ · · · · · · · · · · · · · · · · · ·			
$\nu_{1} = \nu_{1} \wedge \eta_{1}$	ł			DATE: 11-2-10
SIGNED: Talakal				
				· .
			•	August 22, 2007
	• •			Rev.: C

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Doc. No.: CPS-Form-009

AIR MONITORING LOG CLAREMONT POLYCHEMICAL SUPERFUND SITE

•.	- I
Sampler	J.Jackson

Date <u>11-01-10</u>

Calibration Standard(s)

Post-cal Readings

56.6PPM 100.0PPM

Locat	ion	Reading (ppm)
CONT	ROL ROOM	· · · · · ·
	Laboratory	0.0
	Bathroom	0.0
	Office	00
PLAN	Γ	
	Influent Area	D.0
	Sludge Storage Area	0.0
	Sand Filter Area	0.0
	Air Compressor Area	0.0
:	Sludge Press Area	00
EXTER	RIOR	
	Storage Tanks	0.0
	Upper (South West) Lot	00
	Lower (South East) Lot	00
	Air Stripper Area	00
	Back (North)	00
GAC V	ESSELS .	
********	#1 Influent	0:0
	#1 Effluent	0.0
	#2 Influent	04
	#2 Effluent	0L

Comments: PID WAS CALIBRATED - AIR MONITORING

JNC

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C	
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S	

CLAREMONT POLYCHEMICAL SUPERFUND SITE EMPLOYEE SIGN IN SHEET

10E DATE: 11/01/10

NAME	SIGNATURE	Z	REASON	OUT	REASON
			e 1		
PETER E. TAKACH	J. I Weak	221	<u></u>	× ~ ~	
			, , ,		
JAMES S. JACKSON	NN/KK80~	0200	SQS	0400	HUME / HEST AID
-					IKAING149
				•	
RICHARD C. CRONCE					
		L.			
			-	·	
			13 ¹⁰¹		
					-
•					

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: Tuesday Date: 11-02-10

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

Total Volume Processed for Day:

560,389 gallons

Plant Operating Hours: 24:00 hrs.

Total Downtime: 00:00 hrs.

Reason for Downtime:

No downtime required

Significant Operational Problems:

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

Corrective Maintenance Performed:

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

Verbal/Written Instruction from Government Personnel:

No new instructions received

Inspections Performed and Results:

Conducted site safety inspection, no new issues observed. Inspected well field

Record of any tests performed, samples taken, and personnel involved:

No tests performed or samples taken

Available Analytical Results:

No new data available.

Calibration Procedures Performed:

No calibrations required

General Remarks:

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

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

End of month documentation work continues

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

Put Whach

Plant Manager Signature:

Peter Takach, November 3, 2010

Attachments:

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

CC:

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SAIC Program Manager USACE Project Manager File

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

PLANT	INFLUENT FLO	W (GPM)	ר	· · · · · · · · · · · · · · · · · · ·		ENT FLOW (GP	
TRAIN 1	TRAIN 2	TOTAL		PUMP	SYPHON		(10,000) GALs
186	186	872		375		251	
			4			<u> </u>	<u></u>
Extraction	Signet	TOTAL I	XTRACTED GA	LLONS (HMI -	Flow Data)	Motor	System
Wells	Flow Meter			to 12:00 am)	,	Amp	Operating
	Total Volume	T-1	T-2	T-3	T-4	Load	Hours
. W-1	531012	164230			N.		63875
W-2	270529	179 290					57661
EW-3	1247513	167 270					62016
1-1							
Injection	Water Level	Signet Meter	Signet Meter	Observations a		• •	
<u>Wells</u> W-1	ft. AMSL (HMI)	Flow Rate	. Total Volume	Can 00	T D 0315	5-212 E	TELODER
W-2	15.6	45 47	4471604			in it de	1
W-3	163.9	105	434 8893	FEEDIL	LANKS HI	an High	LEVEL
W-4	16.1	<u> </u>	404 0010 370EAID	#2 2	VID		- errer
	1	<u> </u>	1016-2412		VIP TRID	JED DU	1- U- 3E1
Process	System	Motor	System Pres	sure Gauges		• • • • • • • • • • • • • • • • • • • •	··
Pumps	Operating	Motor Amp	Suction Side	Discharge Side	1		
· •	Hours	Load	PSI	PSI		(ENTO	
NF 1	74974	NM	>	<u> </u>	CONIN	IENTS	
NF 2	73761		- <u></u>			····· · · · · · · · · · · · · · · · ·	
NF 3	28782		53	513	STAN	10-1311	
SF 1	42012		2	37			
SF 2	49737		1	31			
SF 3	42925		SB	SB	STAN	-U)-12/1	
SAC 1	45314			15		<u> </u>	
AC 2	18808		3	.15			· · · · · · · · · · · · · · · · · · ·
AC 3	33826		SB	SB	STAN	118-01	
EC 1 EC 2	21938		DFF	DFE		1	
LC 2	20742		DFF	DF F	•		
4J 2	65915		<u> </u>	<u> </u>			
IJ 3			NIS	25		*	<u> </u>
UMP				NK	NOT	IN SERV	15E
LOWER						<u> </u>	
· · · · · · · · · · · · · · · · · · ·	~ <u>}</u>	<u>I</u>			· · · · · · · · · · · · · · · · · · ·		
	INLET	OUTLET				System Probe	
AC #1 (PSI)	10	8			рH	DAILY	Lab Meter WEEKLY
AC #2 (PSI)	ID				Reactor Tank 1	533	WEEKET
R DRIER (PSI)		<u> </u>			Reactor Tank 2	5.34	
	A				AS. Feed	6.40	
Blower (H ₂ O") Temp (°F)	<u> 47 </u>				PLANT DISCHAR	GE - pH	
ater Temp (°F)	510	560			PLANT DISCHAR	GE - Temp.	
$GAC #1 (H_20")$	2/5	1000				-	÷
GAC #2 (H20")	-2-6-5-	-9.00-					
					SAND FILTER D		
ditional commo	ents:	·····	····			Measurement 1	
		WAS EN	NOTION		Treat. Train 1 ·	AM 13 3/4 11	if needed
					Treat. Train 2	13/2"	
2NE FU	LL 55 90	41 DRUM	1• . I	I		10.2	
					NM = Not Measu	ired	NIS = Not in servic
		- <u>-</u>			OL = Off Line		
					SB = Standby		
	≤ 1	1			-		

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

OPERATOR: ____

J. JACKSON

DATE: 11-02-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) · RECEIVED CALL, EARLY +	his MORNING, NESTRIDOR
2) FEED TANK LEVEL High.	
· · · · ·	
3) 4) - This MORNING TENUD IS)	FRA FOOL TENIDO 390F
$\frac{4}{5}$	
O · OVER NIGHT THERE WAS A F	OVIED MUTCH KIHICH EFEGG
2) En the INVERTION SENDES	2 AIR STRIDDED PUNID
8) HZ - RESEPPUTAD - P	EDUCHT TANIK LEVELS DOWN
9)	
10) - the Daily Operators	LOG WAS DONG-

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED		
1) FETER ODEN & CLEANER	FILTER PRES		
2)			
3) · PLANT HOUSE KEEPING D	ONE, LIPDER LEVEL MODED		
4)			
5) · DICK & JOF WALKUSH ON			
6)	•		
7)			
8)			
9)			
10)	•		

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS						
)		· · · ·		•		
		· · · · · · · · · · · · · · · · · · ·	<u></u> .	······································		
		· · · · · · · · · · · · · · · · · · ·		,		
[_]			<u></u>			
	······································		<u> </u>	·		

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March 3, 2008 Rev. B

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

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DATE: 11-02-10

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

				•
Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (Include areas of leaks)
POLYMER				NOT
CAUSTIC				
POTASSIUM PERMANGANATE				IN
HYDROCHLORIC ACID				SERVICE
				CONSMENTS (Lasked and of looks)
Process Tanks	- Constant of the second s	Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION		<u> </u>	<u>/</u>	1.0K
TREATED WATER				OL
REACTORS	an ann an stàitean an stàit			
CLARIFIERS	and the second second second			
SAND FILTERS			Y	OK
CARBON VESSELS (liq)	and a second on addition			
Brooning Systems	Bumne	Valves	Tanks	COMMENTS (include areas of leaks)
Process Systems INFLUENT	Pumps	Valves		
SLUDGE SETTLER				0/2 0/
RECYCLE				0K
AIR STRIPPER FEED			× ×	PUMP # 2 TRIPPED OUL
CARBON FEED				
INJECTION				DC - SENKOR DUT
	L		Australia cadas ada 6 rão to-	
Floor and General Work Areas	General (Conditions a	and Comme	ents
SLIP, TRIP, & FALL HAZARDS	and the second	E WAJ		
SHARP EDGES	NO		Ś	
PINCH POINTS	11		·····	
OTHER HAZARDS	•))			
				•
Air Compressor	General C	Conditions a	nd Comme	ents
AFTER COOLER		ONDR	ESSOR	
AIR DRIER			<u></u>	ON
MOTOR & COMPRESSOR	·		·	UNE TODAY
Air Stripper	General (Conditions a	und Comme	nts
COLUMN				
BLOWER & BELTS		· · · · · · · · · · · · · · · · · · ·		
CARBON VESSELS	-46	• • • • • •		
Notes and Comments:				
•			·. ·	•
				•
	-			
			,	<u> </u>
SIGNED: Futil akal	· ·			DATE: 11-3-10
1 martine		~		
				August 22, 200

Doc. No.: CPS-Form-009

August 22, 2007 Rev.: C

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE EMPLOYEE SIGN IN SHEET

000 DATE: 11/02/10

	Ì					
REASON		Home				
OUT	1845	2021	Shubo Daubo			
REASON	- 005	QDS / CALL-DU	Ste Visit			
Z	3 2 1	0403	<i>ali</i> 20	73		
SIGNATURE	Firther	Nackson	Palied Clorule			
NAME	PETER E. TAKACH	JAMES S. JACKSON	RICHARD C. CRONCE			

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

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

Day: Wednesday Date: 11-03-10

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

Total Volume Discharged for Day:

559,611 gallons

Plant Operating Hours: 24:00 hrs.

Total Downtime: 0:00 hrs.

Reason for Downtime: No downtime to report

Significant Operational Problems: None

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

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

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

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

Available Analytical Results: No new results were available.

Calibration Procedures Performed: No calibrations required

General Remarks:

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

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

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

Marciano Cipriano of NC DPW was in for survey of discharges

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

Pater whach

Plant Manager Signature:

Peter Takach, November 4, 2010

Attachments:

- Daily Operating Log Daily Activities Summary Report Daily Site Safety Inspection Log Sign In Sheet
- cc: SAIC Program Manager USACE Project Manager File

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

. .

Operator: 🕻	J.Jacic	SUN	Day: WED	inesduc	1 Date: 11/C	03/10	Time: 054
PLAN7	INFLUENT FLC			·	· · · · · · · · · · · · · · · · · · ·		
TRAIN 1	TRAIN 2				PLANT EFFLUE		
157	186	272		PUMP	SYPHON	METER ()	(10,000) GALs
		<u> </u>	- d	386	6	252	35
Extraction	Signet	TOTAL					
Wells	Flow Meter	IUIAL	EXTRACTED GA	ALLONS (HMI -	- Flow Data)	Motor	System
	Total Volume			to 12:00 am)		Amp	Operating
EW-1	33191	T-1				Load	Hours
EW-2		158770					1,3893
EW-3		173 610	\rightarrow				5761.9
211-5	247718	181290					12030
Injection							
Injection Wells	Water Level	Signet Meter	Signet Meter	Observations a	and Comments		Territoria (1997)
	ft. AMSL (HMI)	Flow Rate	Total Volume	PLANT	TRAN HA		
IW-1	163.0	<u> </u>	4486186				- any -
IW-2	1184	43	4137229		MOENINGT		1000
IW-3	163.5	111	4366011		- De Miner I	uanpe	45-6
IW-4	155.1	- 60	3737815	DADTI.			. [
					L CLOUD	4	
Process	System	Motor	System Pres	SUZO Courses		-	-
Pumps	Operating	Amp	Suction Side				1
	Hours	Load		Discharge Side	3		
INF 1	74999	NM	PSI	PSI	COMME	NTS	· ·
NF 2	737 87			Ę			
NF 3	26782		<u> </u>	9			
ASF 1			SR	SR.	STANT	1-201	
ASF 2	42038)	32			
ASF 3	24762		5	30			
	42925		SIZ	52	STAN	N- AV	
GAC 1	45340		2	16	<u> </u>	0=10/1	
SAC 2	48833		3	13			
SAC 3	33826		SR	<u></u>	CTAL	12 12 1	
REC 1	21938		OFF	0HF	STANI	D-19/1	
REC 2	20742		017	UFF-			
NJ 1	15941		(,	77	<u> </u>		
NJ 2	39894			<u> </u>			
1J 3			NUS			·	
UMP				AUS	NOT	IN SED	VILE
LOWER			···				
		Į					·
	INLET	OUTLET	•	•	•		· · · ·
AC #1 (PSI)	10	the second se			S	ystem Probe	Lab Meter
AC #2 (PSI)		8			рН	DAILY	WEEKLY
R DRIER (PSI)				1	Reactor Tank 1	5.32	
				ſ	Reactor Tank 2	5.34	
Blower (H ₂ O")	70 188	No. A Construction of the local difference of the	•	ſ	AS. Feed	637	
Temp (°F)	<u> 4.č </u>				PLANT DISCHARGE		
	-22	550			PLANT DISCHARGE	- Temp.	
ater Temp (°F) 🕅		1.5°C		-			<u>`</u>
		0.00			• •		
GAC #1 (H ₂ 0")	6.65						
GAC #1 (H ₂ 0")	01				SAND FILTER DEF	TH TO WATE	R (INCHES)
GAC #1 (H ₂ 0") GAC #2 (H ₂ 0")	DI I				SAND FILTER DEF		
GAC #1 (H ₂ 0") GAC #2 (H ₂ 0")	DI I	<u>9</u>				easurement 1	Measurement 2
GAC #1 (H ₂ 0") GAC #2 (H ₂ 0")	DI I	<u>x</u>]		Me		
GAC #1 (H ₂ 0") GAC #2 (H ₂ 0")	DI I			Ī	Me Freat. Train 1	easurement 1	Measurement 2
GAC #1 (H ₂ 0") GAC #2 (H ₂ 0")	DI I			Ī	Me	easurement 1	Measurement 2
GAC #1 (H ₂ 0") GAC #2 (H ₂ 0")	DI I			ī ī M	Me Treat. Train 1	AM	Measuremenf 2
GAC #1 (H ₂ 0") GAC #2 (H ₂ 0")	DI I				Me Treat. Train 1 Treat. Train 2 M = Not Measured DL = Off Line	AM	Measuremenf 2
GAC #1 (H ₂ 0") GAC #2 (H ₂ 0") Iditional commen	DI I				Me Treat. Train 1	AM	Measurement 2
GAC #1 (H ₂ 0") GAC #2 (H ₂ 0")	nts:			i I I I I I I I I I I I I I I I I I I I	Me Treat. Train 1 Treat. Train 2 M = Not Measured DL = Off Line B = Standby	AM	Measuremenf 2

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

DATE: _____]

OPERATOR: JJACKSON

EQUIPMENT/MATERIALS USED LISTING OF OPERATIONS ACTIVITIES するった TEMO 0 ANO せっこう MO12NIN/ RAN ٦E \sim 3) ICI N 4) 70 S Fr 0eea F 5) . നറ ONa6) HIGER Ę. BRUS 14150 DOWNI 7) 4 1 しそう 8) NLF ÷ 2) ACED ON 9) £ 3 2 -p. 10) đ MIK 11) F20M COL $\supset N$ SILE THE Ά٩ 3 ANT

	LISTING OF MAINTENANCE ACTIVITIES		EQUIPMENT/MATERIALS USED
1)		*	
2)			
3)			
4)		•	
5)		•	
5)			•
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1)	•		

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS							
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·							
				· · · · · · · · · · · · · · · · · · ·			
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		····		······································			
······	\sim	\wedge		· · ·			
	$i \sum \left(c \right)$	()	10-4-11				

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

DATE: 1

BRUSHED DOVEN

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	·			SERVICE
HYDROCHLORIC ACID		<u> </u>		JECUILE
Process Tanks		Valves	Tanks	COMMENTS (include areas of leaks)

EQUALIZATION TREATED WATER REACTORS **CLARIFIERS** SAND FILTERS CARBON VESSELS (lig)

INFLUENT SLUDGE SETTLER

RECYCLE

V N COMMENTS (Include areas of leaks) Tanks Valves Pumps ()K EMPT $\mathcal{O}\mathcal{V}$ 1 D

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General Conditions and Comments

General Conditions and Comments

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NGNG

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weee

Floor and General Work Areas SLIP, TRIP, & FALL HAZARDS SHARP EDGES PINCH POINTS **OTHER HAZARDS**

AIR STRIPPER FEED

CARBON FEED **INJECTION**

Air Compressor

Process Systems

TANK AFTER COOLER AIR DRIER MOTOR & COMPRESSOR

Air Stripper

COLUMN **BLOWER & BELTS** CARBON VESSELS

General Conditions and	Comments
OR	
OK	
CX ·	·

SERVICE

Notes and Comments:

- -		
SIGNED:	DATE:	<u></u>
DOC. NO.: CPS-Form-009 Fut black	11-4-10	August 22, 2007 Rev.: C

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S	

CLAREMONT POLYCHEMICAL SUPERFUND SITE EMPLOYEE SIGN IN SHEET

NIED DATE: 11 103 110

NAME	SIGNATURE	Z	REASON	OUT	REASON
PETER E TAKACH	Dali	252	ref	1435	
		9			
JAMES S. JACKSON	Dackion	0535	Scho	1355	HOME
RICHARD C. CRONCE					
	•				
			a state		

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

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

Day: Thursday Date: 11-04-10

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

Total Volume Discharged for Day:

569,604 gallons

Plant Operating Hours: 24:00 hrs.

Total Downtime: 0:00 hrs.

Reason for Downtime:

No downtime to report

Significant Operational Problems:

None

Corrective Maintenance Performed:

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

Verbal/Written Instruction from Government Personnel:

No new instructions received

Inspections Performed and Results:

Conducted site safety inspection, there were no new safety or equipment issues.

Record of any tests performed, samples taken, and personnel involved:

No tests were performed or samples taken

Available Analytical Results:

No new results available.

Calibration Procedures Performed:

No calibrations required

General Remarks:

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

Routine O&M tasks continue

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

Putathach

Peter Takach, November 5, 2010

Attachments:

Plant Manager Signature:

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:	SAFK	CAN I	Day: Thru	e da l	Date: 1) / 6	-	T
				sourt	Date: 11 / C	24/10	Time: (363
PLANT	INFLUENT FLC	W (GPM)	7	<u>_</u>	PLANT EFFLU	ENT FLOW (G	PM)
TRAIN 1	TRAIN 2	TOTAL	1	PUMP	SYPHON		(X 10,000) GALs
136	186	377]	390	0	252	
				Press Constraints			
Extraction	Signet	TOTAL	EXTRACTED GA	ALLONS (HMI -	Flow Data)	Motor	System
Wells	Flow Meter			to 12:00 am)		Amp	Operating
	Total Volume	T-1	T-2	T-3	T-4	Load	Hours
EW-1	531352	168720		$\overline{\mathbf{N}}$			63498
EW-2	270900	188740					57684
EW-3	247902	192130					- 62049
				_			
Injection	Water Level	Signet Meter	Signet Meter		and Comments	۱ ۱	
Wells	ft. AMSL (HMI)	Flow Rate	. Total Volume	BAIN	1 MIDZAL	1.10/1	
W-1 W-2	163.0	<u>96</u>	4499494				
W-3	119.3	95	4150341	· · · ·			
W-4	11-3.5	115	4381635				
V V	155.8	- FD	3749025				
	·····	······	· · · · · · · · · · · · · · · · · · ·				
Process	System	Motor		sure Gauges			
Pumps	Operating	Amp	Suction Side	Discharge Side	9		
NF 1	Hours	Load	PSI	PSI	COMM	IENTS	
NF 2	75022	NIXI		6			
NF 3	73810		2	<u>&</u>			
SF 1	267 82		SA_	53	STAN	IN-Ps 1	
SF 2	42060		2	33			
SF 3	49785		2	<u>3</u>			
AC 1	45367		-6 <u>B</u>	SS	STANI	1-13VI	
AC 2	48856		4	16			
AC 3	33826		2	. 15			
EC 1	21938		- 53	58	STANI	2-13-1	
EC 2	207 42		DEE	<u>D+F</u>		·····	
IJ 1	65963		<u> </u>	<u>Ditti</u>			
IJ2	39922		9	<u> </u>			· · · · · · · · · · · · · · · · · · ·
IJ 3						,	·
UMP			- (Y	(5)	021	JAIF	
OWER	<u> </u> -				· · · · · · · · · · · · · · · · · · ·		
			·		l	· · · · · · · · · · · · · · · · · · ·	
	INLET	OUTLET		-	· · · ·		
AC #1 (PSI)	10	8				System Probe	
C #2 (PSI)	16	1			pH Reactor Tank 1	DAILY 532	WEEKLY
R DRIER (PSI)	01	0-			Reactor Tank 2		
					AS. Feed	528	+ 1
Blower (H ₂ O")	4.8				PLANT DISCHARC	(<u>n-O_)</u>	┼────┤
Temp (°F)	<u> </u>	55°			PLANT DISCHARC	GE - Temp.	<u>+</u>
ter Temp (°F)		13°2					<u></u>
BAC #1 (H ₂ 0")	4.65	0.00				2	•
5/10 #2 (1120 /					SAND FILTER D	EPTH TO WA	FER (INCHES)
ditional comme				Í	Į	Measurement 1	Measurement 2
	anto.					AM	If needed
		· · · · · · · · · · · · · · · · · · ·				13%"	
				Ľ	Treat. Train 2	1312"	
			· · · ·				· ·
					NM = Not Measur	ed	NIS = Not in serv
······································	2				OL = Off Line		
				1	SB = Standby		
pervisors Signatu		A. 11	-	ate 11-5	5-10		
-	= \	ral	U.		3° [U	· ·	
		•					

Jan. 21, 2010 Rev.:J

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

OPERATOR: JJACKSON

DATE: 04

	LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
11 . T	IE MIDENING RAIN, IS STE	ADLI ATTINIES
2)		
3) - ()	NOTHER ECON MORNING IT	EMP AT ALOF, FEELS LIKE
	1°#	
5)		
	DE DUILL ODERATORS LOG	VAS COMOLETED
7)	· · · · · · · · · · · · · · · · · · ·	
8) • D	ELTEK TIME CHARGEINU	WAS DONE
9)		
10)	n	
11)		

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

	IDENTIFIED PROBL	EMS AND RECOMMENDED ACTIONS	
1)	· · · · · · · · · · · · · · · · · · ·		······································
			3
			· · ·

hal 11-5-10

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

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. •=• COMMENTS (include areas of leaks) Valves Tanks Chemical Feed Skids Pumps . : NGT POLYMER CAUSTIC INI POTASSIUM PERMANGANATE . SERVICE HYDROCHLORIC ACID COMMENTS (include areas of leaks) Process Tanks Valves Tanks EQUALIZATION Δl TREATED WATER N Ý 1 REACTORS OC . 1 CLARIFIERS 1 17 1 SAND FILTERS ν X CARBON VESSELS (lig) Ör Process Systems COMMENTS (include areas of leaks) Pumps Valves Tanks INFLUENT $\overline{\mathcal{O}}$ v SLUDGE SETTLER 3 1 RECYCLE CXC V AIR STRIPPER FEED v \mathcal{A} CARBON FEED V Ň 1/ 1 INJECTION 1 17 Floor and General Work Areas General Conditions and Comments SLIP, TRIP, & FALL HAZARDS NONE SHARP EDGES 11 PINCH POINTS 31 **OTHER HAZARDS** 21 Air Compressor General Conditions and Comments TANK AFTER COOLER DH AIR DRIER INE MOTOR & COMPRESSOR Air Stripper General Conditions and Comments COLUMN 0L **BLOWER & BELTS** DU CARBON VESSELS $\overline{\sqrt{v}}$ Notes and Comments: ٠. DATE: _//-5-10 SIGNED:

Doc. No.: CPS-Form-009

August 22, 2007 Rev.: C

DATE: 11-04-10

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE EMPLOYEE SIGN IN SHEET

(thrus) DATE: 10/04/10

A-LAL - LAL -	NAME	SIGNATURE	Z	REASON	OUT	REASON
	PETER E. TAKACH	P. ZLL		Cops	27.21) (
	JAMES S. JACKSON	ac	0530	Salo	1352	14Ums
	ARD C. CRONCE					
			L.			
				5.		
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	-					•
						-

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

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

Day: Friday Date: 11-05-10

Weather Forecast (am):

Fri: Raining and cool. Temps are to range from 46-56-40°F. Winds are from the West-WSW at 8-12-8 mph. Relative humidity at 80-70%, clearing.

Sat: – Partly sunny, temps at 41-52-35°F, wind at 8-12 from NNW, RH at 65%, no rain expected. Sun: – Partly sunny, temps at 36-50-38°F, wind at 14-5 from WNW, RH at 60%, no rain expected.

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

Operating Hours: 72:00 hrs

Total Downtime: 00:00 hrs.

Reason for Downtime:

No downtime required

Significant Operational Problems:

None

Corrective Maintenance Performed:

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

Verbal/Written Instruction from Government Personnel:

No new instructions received

Inspections Performed and Results:

Site safety inspection was completed with no new issues found.

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

Available Analytical Results No new data available

Calibration Procedures Performed:

No calibrations required

General Remarks:

Plant has been running steady and stable. Plant influent water is at 372 gpm, effluent water is at 391 gpm.

General clean up and O&M activities continue.

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

Putit whach

Plant Manager Signature:

Peter Takach, November 8, 2010

Attachments:

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

cc: SAIC Program Manager USACE Project Manager File

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

Operator: J	Jacks	SN	Day: FOR 12	AL	Date: 11-09	5-10	Time: 0 5 2
PLANT	INFLUENT FLO	W (GPM)	ī		PLANT EFFLU		
TRAIN 1	TRAIN 2	TOTAL	-	PUMP			
186	186		4		SYPHON		X 10,000) GALs
100		372	J	391	0		45
Extraction	Signet	TOTAL	EXTRACTED GA	LLONS (HMI -	Flow Data)	Motor	System
Wells	Flow Meter			to 12:00 am)		Amp	Operating
	Total Volume	T-1	T-2	T-3	T-4		Hours
EW-1	331515			1-3		Load	
		16.440	and the second se				63924
W-2	12/1017	<u>18) 590</u>					57701
EW-3	1248089	189630					<u>62015</u>
Injection	I Water Level I	Olean t Martan					<u> </u>
Injection	Water Level	Signet Meter		1	and Comments		_
Wells	ft. AMSL (HMI)	Flow Rate	. Total Volume	RAINNI	MORNU	NO LIG	ht RAIN
<u>N-1 · · · · · · · · · · · · · · · · · · ·</u>	163.0	46	4812967				····
N-2	1193	94	4163588	TEMD			
N-3	1630	117			<u> </u>		
N-4	155.6		4397436	D -			
	130.4	<u>[3</u>	3660335	-LANU	RAN E	ING LOS	ST NIGHT
Process	Queters		Sustam Proc				
	System	Motor		sure Gauges			
Pumps	Operating	Amp	Suction Side	Discharge Sid	e		
	Hours	Load	PSI	PSI	COMM	IENTS	
NF 1	75045	NNI	2	<u>ح</u>			
IF 2	73833		2	Ê		· · · · · · · · · · · · · · · · · · ·	
IF 3	25782						
SF 1		· · · · · · · · · · · · · · · · · · ·	SA .	SB	DIAN	シリーのリ	1
	470 83		3	33			
SF 2	49508		2	31			
SF 3	42925		SB	SB	STAN	11-21	
AC 1	45385		2		- Sing.	10-21	
AC 2							
AC 3	48879		3	. 15	•		
	33826		SB	_SB	STAN	10-101	
EC 1	21938		DFF	0 FF			····
EC 2	20142		DEE	OF.F.			
J1	65986						
J2	39945		<u> </u>	<u> </u>			
J 3		·	5	_ 27	<u> </u>	.	
			<u>ALIS</u>		NOTI	H SERV	ITC
JMP							
.OWER		Y					
		1		•	¢	·····	
0.114.1202	INLET	OUTLET				System Probe	Lab Meter
C #1 (PSI)	9	ろ			рН	DAILY	WEEKLY
C #2 (PSI)	16	11			Reactor Tank 1	5.31	N
R DRIER (PSI)	(2)	OL			Reactor Tank 2		+ \
						<u> </u>	+
Blower (H ₂ O")	1.1. 1				AS. Feed	1-36	<u> </u>
Temp (°F)					PLANT DISCHAR		
	550	<u>55°</u>			PLANT DISCHAR	GE - Temp.	
ter Temp (°F)	<u>a njag sa kana</u>	14°C					
AC #1 (H ₂ 0")	2.6.0	0.10				4	
6AC #2 (H ₂ 0")	0	\bigcirc		l	SAND FILTER D		ER (INCHES)
ditional comme	ents:				I		Measurement 2
						AM	If needed
· · · · · · · · · · · · · · · · · · ·					Treat. Train 1 ·	13/2."	
			1		Treat. Train 2	131/21	
			·				
			1		NM = Not Measu	red	NIS = Not in serv
					OL = Off Line		
		\frown	^		SB = Standby		
	A / ,	<i>(</i>	6)		atanaby		
ervisors Signatu	Im: レト	NOV-	. V. –	ata tot	(A) ()		
	- AU	~ yea		ate 11.	- 6-10		
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No · CPS Form							ر ایک با انگان

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

OPERATOR: J.JACKSUAL

DATE: 11-05-10

A DECATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
LISTING OF OPERATIONS ACTIVITIES	
1)-ZND Day OF RAIN - MANY	CAIN ALLOUY AYAIN
2) 3) THE DAILY ODERATOR L	(20 1/20 FOND) STED
4) 5) · WORKED ON MUST DO LIST	REFINE TAKE OVER
5) · KLORKED ON MUSL DO LID	
6)	ght bulb REPLACED AT
DNIE Phillips TW PL-5 L	
B) FXIY SIGN IN CONTROL R	
9)	
10)	
11)	

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

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS	
	-
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Path-Wal 11-8-10

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

۰.

DATE: 11-05-10

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

.

				-	COMMENTS (include areas of leaks)
Chemical Fe	eed Skids	Pumps	Valves	Tanks	
	POLYMER				
	CAUSTIC	ļ			SERVICE
	POTASSIUM PERMANGANATE				
	HYDROCHLORIC ACID			_l	
			Voluee	Tanks	COMMENTS (include areas of leaks)
Process Tai			Valves		
	EQUALIZATION	کی درود است. و همکنگنگ در مهمد میک و هر کرد در مهری در در در در در در در مرکز در مرکز در م			OK
	TREATED WATER	designed we want to some the	<u> </u>	<u>/</u>	0K-
	REACTORS	an a			0×
	CLARIFIERS	an a			OK.
	SAND FILTERS	the second s			CK.
	CARBON VESSELS (liq)	and the owner a constitute			
		D	Values	Tanks	COMMENTS (include areas of leaks)
Process Sy		Pumps			
	INFLUENT				
	SLUDGE SETTLER				
	RECYCLE				ÔK
	AIR STRIPPER FEED			+	CK.
					<i>Χ</i>
	INJECTION			Brockens of the state of the lot of the	
Electrand (General Work Areas	General	Conditions	and Commo	ents
FIOUR and V	SLIP, TRIP, & FALL HAZARDS	NOr	and the second se		
	SHARP EDGES	11		\$	
•.	PINCH POINTS	1,1			
n,	OTHER HAZARDS	- 11			
		L			•
Air Compre	ESSOF	General	Conditions	and Comm	ents .
•••• ••••	TANK				
	AFTER COOLER			· Off	
	AIR DRIER				LME
	MOTOR & COMPRESSOR				
					, ,
Air Strippe		General	Conditions	and Comm	ents
	COLUMN				
	BLOWER & BELTS	OK.			
	CARBON VESSELS	L_(2K_			
			:		· · · · · · · · · · · · · · · · · ·
Notes and	Comments:				
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					· · ·
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	i A () (DATE: 11-13-10
SIGNED:	- tul check	-			DATE:
	•				

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August 22, 2007 Rev.: C

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE EMPLOYEE SIGN IN SHEET

DATE: 11/05/10

NAME	SIGNATURE	N	REASON	OUT	REASON
PETER E. TAKACH	Didue	526	345	Ch 51	
JAMES S. JACKSON	Q (lackson	0513	SCHO	13 35	
RICHARD C. CRONCE			•		
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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: 11-08-10

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

Total Volume Processed for Day:

569,604 gallons

Plant Operating Hours: 24:00 hrs.

Total Downtime: 00:00 hrs.

Reason for Downtime:

No downtime to report.

Significant Operational Problems:

None

Corrective Maintenance Performed:

Cleaned and rebuilt check valve parts Replaced trim on shed door

Verbal/Written Instruction from Government Personnel:

No new instructions received

Inspections Performed and Results:

Daily site safety inspection completed

Record of any tests performed, samples taken, and personnel involved:

Plant discharge pH and temp readings Plant air monitoring completed Injection well depth soundings and depth to water measurements recorded

Available Analytical Results:

No new data was available.

Calibration Procedures Performed:

Calibrated lab pH meter Calibrated process pH meters Calibrated PID meter

General Remarks:

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

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

Patriakach

,

Peter Takach, November 9, 2010

Attachments:

Plant Manager Signature:

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

PLANT IN TRAIN 1 Extraction Wells EW-1 EW-2 EW-3 Injection	NFLUENT FLO TRAIN 2) 855 Signet Flow Meter Total Volume SS2.013 271621 246661 Water Level ft. AMSL (HMI) 163.0 115.5 163.6 155.7	W (GPM) TOTAL 372	Day: NI (DIN EXTRACTED GA (12:00 am 1 T-2 I GL:670 I 52300 I 90490 Signet Meter Total Volume 4554585 4204655 444 (445	PUMP 391 LLONS (HMI - to 12:00 am) T-3 11.4-330 179 LAO 151 530 Observations a	T-4 166440 161590 161690 169630	NT FLOW (GPM METER (X 2.5517 Motor Amp Load	Time: 05
TRAIN 1 Extraction Wells EW-1 EW-2 EW-3 Injection Wells IW-4 IW-2 IW-3 IW-4 Process Pumps	TRAIN 2) Elso Signet Flow Meter Total Volume 352.013 271.62.1 24.66.61 Water Level ft. AMSL (HMI) 163.0 115.5 163.6 155.7	TOTAL 372 TOTAL 157150 182520 191150 Signet Meter Flow Rate C16 016 12	(12:00 am 1 T-2 I 62300 I 62300 I 904 9D Signet Meter Total Volume 4554 585 42046 85	391 LLONS (HMI - to 12:00 am) T-3 1124 330 179 1200 157 530	SYPHON O Flow Data) T-4 166440 161590 161690 X 169630	METER (X 25517 Motor Amp Load	System Operating Hours
Extraction Wells EW-1 EW-2 EW-3 Injection Wells IW-1 IW-2 IW-3 IW-4 Process Pumps	Signet Flow Meter Total Volume 552.013 271.62.1 24.6661 24.6661 Water Level ft. AMSL (HMI) 163.0 115.5 163.6 155.7	372 TOTAL T-1 167160 182620 191150 Signet Meter Flow Rate CL 410	(12:00 am 1 T-2 I 62300 I 62300 I 904 9D Signet Meter Total Volume 4554 585 42046 85	391 LLONS (HMI - to 12:00 am) T-3 1124 330 179 1200 157 530	O Flow Data) T-4 166440 151590 189630 189630	Motor Amp Load	System Operating Hours (3973
Extraction Wells EW-1 EW-2 EW-3 Injection Wells IW-1 IW-2 IW-3 IW-4 Process Pumps	Signet Flow Meter Total Volume SS2.013 27162.1 246661 246661 Water Level ft. AMSL (HMI) 163.0 118.5 163.6 155.7	TOTAL T-1 157150 182520 191150 Signet Meter Flow Rate C16 C16 C16 C16 C16 C16 C16 C16	(12:00 am 1 T-2 I 62300 I 62300 I 904 9D Signet Meter Total Volume 4554 585 42046 85	LLONS (HMI - to 12:00 am) T-3 1124 330 179 1200 150 530	Flow Data) T-4 166440 161590 161690 169630 nd Comments	Motor Amp Load	Operating Hours
Wells EW-1 EW-2 EW-3 Z Injection Wells IW-1 IW-2 IW-3 IW-4 Process Pumps	Flow Meter Total Volume 552013 271621 246661 Water Level ft. AMSL (HMI) 163.0 118.5 163.6 155.7	T-1 157150 182560 191150 Signet Meter Flow Rate C16 416	(12:00 am 1 T-2 I 62300 I 62300 I 904 9D Signet Meter Total Volume 4554 585 42046 85	to 12:00 am) T-3 1124 330 179 120 161 530	T-4 166440 161590 161690 169630	Amp Load	Operating Hours
EW-1 EW-2 EW-3 Injection Wells IW-1 IW-2 IW-3 IW-4 Process Pumps	Total Volume SS2.013 271621 248661 Water Level ft. AMSL (HMI) 163.0 118.5 163.6 155.7	167150 182560 191150 Signet Meter Flow Rate C16 C16 C16 C16 C16 C16 C16 C16 C16 C16	T-2 162300 162300 190490 Signet Meter Total Volume 4554685 4204685	T-3 164-330 179-600 151-530	166440 161590 169630	Amp Load	Operating Hours
EW-1 EW-2 EW-3 Vells IW-1 IW-2 IW-3 IW-4 Process Pumps	352.013 271.62.1 248.661 Water Level ft. AMSL (HMI) 163.0 118.5 163.6 163.6 163.6	167150 182560 191150 Signet Meter Flow Rate C16 C16 C16 C16 C16 C16 C16 C16 C16 C16	T-2 162300 162300 190490 Signet Meter Total Volume 4554685 4204685	T-3 164-330 179-600 151-530	166440 161590 169630	Load	Hours
EW-1 EW-2 EW-3 Vells IW-1 IW-2 IW-3 IW-4 Process Pumps	352.013 271.62.1 248.661 Water Level ft. AMSL (HMI) 163.0 118.5 163.6 163.6 163.6	182540 191150 Signet Meter Flow Rate 914 414 112	162300 162300 190490 Signet Meter Total Volume 4554685 4204685	164 330 179 100 161 530	166440 161590 169630		63973
EW-2 / EW-3 / Wells / IW-1 · IW-2 / IW-3 / IW-4 / Process / Pumps /	27] 62.1 248661 Water Level ft. AMSL (HMI) 163.0 118.5 163.6 155.7	182540 191150 Signet Meter Flow Rate 914 414 112	1 52300 19 0 4 9D Signet Meter 7 Total Volume 4 5 5 4 6 85 4 20 4 6 85	179 LAS	181590 189630		
EW-3 2 Injection Wells IW-1 IW-2 IW-3 IW-4 Process Pumps	248661 Water Level ft. AMSL (HMI) 163.0 118.5 163.6 163.6 155.7	19 150 Signet Meter Flow Rate 9 L 9 L 9 L 9 L	190490 Signet Meter Total Volume 4554685 4204685	0bservations a	N 189630		62/14
Wells IW-1 IW-2 IW-3 IW-4 Process Pumps	ft. AMSL (HMI) 1630 1185 1636 1636 1557	Flow Rate	. Total Volume 4554885 4204685	Observations a	nd Comments		
Wells IW-1 IW-2 IW-3 IW-4 Process Pumps	ft. AMSL (HMI) 1630 1185 1636 1636 1557	Flow Rate	. Total Volume 4554885 4204685	Observations a	nd Comments		
IW-1 IW-2 IW-3 IW-4 Process Pumps	1630 1185 1636 1636 155.7	96 96 112	4554885	COOL,	N 1		-
W-2 W-3 W-4 Process Pumps	1185 1636 155.7	<u>96</u> 112	4204685	· · ·	KUDUU.	2 CLEAR	2 <u> </u>
W-3 W-4 Process Pumps	1636	112	4204685		1	•	
W-4 Process Pumps	155.7		4441.41.5	PLANT	2NN FING	OVED th	3G WEEK
Process Pumps		81					
Pumps	Svstem		379 5434	ENUD,			
Pumps	System 1						
İ.		Motor		sure Gauges	-		
	Operating	Amp	Suction Side	Discharge Side	1		
NF1	Hours	Load	PSI	PSI	COMME	ENTS	
	75116			7			-
NF 2	73904	1	2	8			
NF 3	28782		512	83	STAN	1) - 13/1	
SF 1	42155			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		1-101	
SF 2	49879			- 25	·	<u> </u>	
SF 3	42925		SB	SB			· · · · · · · · · · · · · · · · · · ·
SAC 1	45457	·····			DIAD	112-13/	
SAC 2	48951		4	16			
AC 3	33826	·	<u> </u>				• .
EC 1			SR	SB	STAN	10 - 31	
EC 2	21936		95+	OH.			
	20742		OFA	OFF			
NJ 1	66058			-27		-	
NJ 2 NJ 3	40016		<u> </u>	27	·		
			NIS	_NIS	Not II	N SE2VI	re .
					· .		
LOWER	<u></u>	<u> </u>					
	INLET	OUTLET		· •	"		
AC #1 (PSI)	10	the second s				System Probe	Lab Meter
AC #2 (PSI)		<u> </u>			рН	DAILY	WEEKLY
R DRIER (PSI)				1	Reactor Tank 1	535	60815°C
					Reactor Tank 2	4.54	6.09/15%
Plane #1.cm				1	AS. Feed	636	638115°C
Blower (H ₂ O") Temp (°F)	<u> </u>				PLANT DISCHARG		6.39
	540	<u>54°</u>			PLANT DISCHARG	E - Temp.	18°C
ater Temp (°F)		15°C		•		÷	
GAC #1 (H ₂ 0") GAC #2 (H ₂ 0")	<u>Z.65 </u>	0.00		-	· · · · · · · · · · · · · · · · · · ·	·····	· · ·
				[SAND FILTER DE		
	- 1			ſ		Measurement 1	Measurement 2
Iditional commen	nts:					_AM	lf needed
					Treat. Train 1	134"	
	-			ſ	Treat. Train 2	13"	
				-		· · · · · · · · · · · · · · · · · · ·	
					NM = Not Measure	ed	NIS = Not in serv
					OL = Off Line		
					SB = Standby		
	·(,		
		. 7					
pervisors Signature	•: J.H.	(r	6	Date 11-9	-13		

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

OPERATOR:

JJACKSON

DATE: 11-06-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) . THIS MORNING IS COOL, R	ANY E LLOUCH I EMD
2) IN 40°F - FEELS LIKE LO	W 30'S - SOME SMONT FLUMISS
· ·	
3)	
4) . ThE DLANT RAN WELL	DUER WEEKEND
5)	
6) . THE WEEKLY TEND & DY	NE WEDE FOMOLETEN
o) THE WIEFERIG	
7)	
8) · PID WAS CALIBRATED - A	UR MONITORING OF INSIDES
9) OLTSIDE PLANT WAS DONE	•
10)	
	LAS DOUS
11) . THE NIONTHLY SOUNDING	WAY LUXIT

	LISTING OF N		E ACTIVITIES		EQUIPMENT/MATERIALS USED
1)	OIW-1	4.58	124.46	4	
2)	5-WI (2)	11.55	241.60		
3)	3) TW-3	15.30	249.00	,	;
4)	DINI-A	10.8		•	
5)				•	
6) •	KOODEN TE	2111	for she	5	WAS PRIMED & PRIMTED
7)	· · ·				,
8)	<u> </u>		······		
9)	·		······································		
10)	· · · · · · · · · · · · · · · · · · ·				
11)			•		

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS									
1)									
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VCAL: 10-9-12

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

DATE: 11/08/10

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

hamight Food Skids	Pumps	Valves	Tanks	COMMENTS (include area	i of leaks)
hemical Feed Skids POLYMER	[1		NOT	
CAUSTIC				IN	
POTASSIUM PERMANGANATE	•			CON	
HYDROCHLORIC ACID			<u> </u>	SERV	
rocess Tanks		Valves	Tanks	COMMENTS (include area	s of leaks)
EQUALIZATION				DIC	
TREATED WATER		· v	i/	OK	
REACTORS		V ·			
CLARIFIERS		V	V_	<u> </u>	
SAND FILTERS			· V		
CARBON VESSELS (liq)			<u>`</u>		
Process Systems	Pumps	Valves	Tanks	COMMENTS (include area	s of leaks)
INFLUENT					
SLUDGE SETTLER	···	1/			
RECYCLE	1	V	V		
AIR STRIPPER FEED	V.	V			
CARBON FEED	V	. V			
INJECTION				Check VALVESN	EED WOR
loor and General Work Areas	General	Conditions	and Comme	ents	
SLIP, TRIP, & FALL HAZARDS	NONG	2	· ·		
SHARP EDGES	2)		<u>i</u>		
PINCH POINTS	u				
OTHER HAZARDS	<u>v</u>			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
Air Compressor	General	Conditions	and Comme		
TANK	<u> </u>				
AFTER COOLER		C			
AIR DRIER			ζ	INE	
MOTOR & COMPRESSOR					
Air Stripper	and the second se	Conditions	and Comme	ents	
COLUMN					
BLOWER & BELTS					· · · · · · · · · · · · · · · · · · ·
CARBON VESSELS		<u>.</u>		· · · · · · · · · · · · · · · · · · ·	
Notes and Comments:					
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				5. A.	
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				DATE:	
5IGNED:					
	Λ	11-9	1.		August 22,

AIR MONITORING LOG CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sàmpler	J	ل	AC	K	5	ÛN	

Date 11-C

11-06-10

Calibration Standard(s)

Post-cal Readings

100 PPM 1 TSOLBUTLENE 989 PPM 1 100 PPM

Location		Reading (ppm)
CONTRO	L ROOM	
	Laboratory	0.0
	Bathroom	00
	Office	0.6
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
EXTERIO	R	e
	Storage Tanks	0.0
	Upper (South West) Lot	0.0
	Lower (South East) Lot	0.0
	Air Stripper Area	0.D
	Back (North)	0.0
GAC VES	SELS	
	#1 Influent	0.0
	#1 Effluent	00
	#2 Influent	OL
	#2 Effluent	01

Comments: PID WAS CALIBRATED AIR MONITORING OF INISIDE É OUT SIDE OF PLANT WAS DONIE.



March 3, 2008 Rev. B

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CLAREMONT POLYCHEMICAL SUPERFUND SITE EMPLOYEE SIGN IN SHEET

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

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

Day: Tuesday Date: 11-09-10

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

Total Volume Processed for Day:

Plant Operating Hours: 24:00 hrs.

Total Downtime: 00:00 hrs.

559,223 gallons

Reason for Downtime:

No downtime required

Significant Operational Problems:

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

Corrective Maintenance Performed:

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

Verbal/Written Instruction from Government Personnel:

No new instructions received

Inspections Performed and Results:

Conducted site safety inspection, no new issues observed.

Record of any tests performed, samples taken, and personnel involved:

No samples were taken or tests performed

Available Analytical Results:

No new data available.

Calibration Procedures Performed:

No calibrations required

General Remarks:

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

Routine O&M tasks are ongoing.

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

Patriakach

Plant Manager Signature:

Peter Takach, November 10, 2010

Attachments:

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

CC:

SAIC Program Manager USACE Project Manager File

						21-10)	
Operator: J	JACK	SUN	Day: 1 DES		Date: 11/00	a/10	Time: 0507
	INFLUENT FLO		7	r	PLANT EFFLUE		MA
TRAIN 1	TRAIN 2	TOTAL	-	PUMP	SYPHON		(10,000) GALs
186	186	372		391		255	12,000/0746
			4		· · · · ·	<u>(())</u>	
Extraction	Signet	TOTAL	XTRACTED GA	LIONS (HML	Flow Data)		Suntan
Wells	Flow Meter	1017421		to 12:00 am)	now Datay	Motor	System Operating
TTC:IU	Total Volume	T-1	T-2	T-3	T-4	Amp Load	Hours
EW-1	332177	163740	1-2	<u> </u>	<u>k '</u>		1-3989
EW-2	271500	179 070			+	<u> </u>	57766
EW-3	248849	157420		<u> </u>	+>		62130
	16900971	-01450	<u> </u>				
Injection	Water Level	Signet Meter	Signet Meter	Observations a	ad Commonte		7
Wells	ft. AMSL (HMI)	Flow Rate	. Total Volume			-	Nu the
IW-1	11.3.0	96	1568606		RAN FIN	1E 1031	NIGH
IW-2		94		ANRE	TIPPEZ (Nacall	VIANDE
IW-3	163.7	<u> </u>	4216158			VIE UV	VALVA
IW-4	1563	79	3801-529	1.100 5	Ebuit		· . [
			JUD 66C1	WHS K	COULT		<u></u> I
Process	Guetere		Svetom Broo	sure Gauges	1	·	1
Pumps	System	Motor	System Pres		1		
i unpa	Operating Hours	Amp Load	r i	Discharge Side			
INF 1	75140	NM	PSI	PSI	COMMI		
INF 2	73927		<u>ا</u>	9	· · · · · · · · · · · · · · · · · · ·		
INF 3	28782				CTA LL	\sim 10	
ASF 1	42.78		22	<u> </u>	STANI	<u>)-151</u>	
ASF 2	49903			31			
ASF 3	4190.5						
GAC 1	454 80		SA	SB		10-B/	·····
GAC 2	46974						·
GAC 3	33826		- 24	.15			
REC 1	21936			_ <u>SB_</u>	(ADV)	ワーぶ	·····
REC 2	20742		- Ôtt	<u>OFF</u>			
NJ 1	61281			D.F.F.			· · · · · · · · · · · · · · · · · · ·
NJ 2	40039			<u> </u>		. <u>.</u>	
NJ 3			-NIZ	27		,	
SUMP			<u> </u>	NIS	NOTI	N SERVI	
BLOWER				· · · · · ·		<u>``</u>	
					· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
	INLET	OUTLET		•			
GAC #1 (PSI)		8		I		System Probe	Lab Meter
GAC #2 (PSI)		<u> </u>			pH Received Tank 4	DAILY	WEEKLY
IR DRIER (PSI)	61	721		i	Reactor Tank 1 Reactor Tank 2	5.34	
	<u></u>				AS, Feed	4.87	<u>├</u>
S Blower (H ₂ O")	4.6					<u></u>	<u>├──────</u>
ir Temp (°F)	540	540			PLANT DISCHARG		<u>├</u>
Vater Temp (°F)		14 ° 5		I		÷ remp.	<u>. </u>
'-GAC #1 (H₂0")	_265	0.00			· ·	•	•
-GAC #2 (H ₂ 0")		()2		i	SAND FILTER DI	EPTH TO WAT	ER (INCHES)
							Measurement 2
dditional comme	ents:				l h	AM	If needed
<u> </u>					Treat. Train 1	13-4	
					Treat. Train 2	13/2"	
				1			اليه هيدا
					NM = Not Measur	ed	NIS = Not in service
					OL = Off Line		
	~				SB = Standby		
	$\sum \cap$	¥ -	•				
Supervisors Signati		$1 \cap$	[Date		•	
	I white	Fel	1.1-10-	10			
				•0			
							Jan. 21, 2010

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

Doc. No.: CPS-Form- 008

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

OPERATOR: J.JACKSON

DATE: 11/09/10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) THE PLANT RAN WELL O	VER Night
2)	
3) - THE DUILY OPERATOR L	on Was Completel)
4)	
5) - MISSING TRIM FOR She	> WAS PRIMEN PAINTEN
1) AND PUTON SHED.	, , , , , , , , , , , , , , , , , , , ,
7)	
8) · CHELIL VALVE AT AND STIP	PER SECTION WAS REBUILTE
9) With USED PARTS	·
10)	
11) · CHECK VALVE SEEM TO	REAK LITHIE I FAKE AIR

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) STEIDDER SECTION - BI	CK ON LINE
2)	
3) "HANDIE AT AR STRIPPER	CHERK VALVE WAS DUT
4) ON-SHAFT HAD TO BE SA	UDED E LUDRICATEN
5)	
6)	
7)	:
8)	
9)	
10)	•
11) .	· · · · · · · · · · · · · · · · · · ·

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS											
		*	· · · · · ·	•							
				· · · · · · · · · · · · · · · · · · ·							
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11-10-10

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DAILY SITE SAFETY INSPECTION

CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11/04/10

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

:

				Ti	COMMENTS (include an	eas of leaks)
Chemical F	eed Skids	Pumps	Valves	Tanks	NOT	
•	POLYMER		┥───		1.001	
	CAUSTIC POTASSIUM PERMANGANATE				IN	
•	HYDROCHLORIC ACID	}			5	ERVICE
					COMMENTS (include a	reas of leaks)
Process Ta		-	Vaives			
	EQUALIZATION					
	TREATED WATER	🗘 general month i constitu		<u> </u>	- NK	
	REACTORS				TX .	
	SAND FILTERS		<u> </u>	· V	DK	
	CARBON VESSELS (liq)	tanan merina an ar an ing pangan ang pangan sa		V.	X	
		Party from control designments				
Process Sy		Pumps		Tanks	COMMENTS (include a	
	INFLUENT				#3 HECTRIA	
	RECYCLE AIR STRIPPER FEED		V	1	CHECK VALVE	REDUILT_
	CARBON FEED	V	. V			
	INJECTION		·V			
		C	Conditional	: innd Comm	onte .	
Floor and	General Work Areas			and Comme		
	SLIP, TRIP, & FALL HAZARDS SHARP EDGES	NON	<u> </u>	• •	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
	PINCH POINTS))				
•.	OTHER HAZARDS	11				
						•
Air Compr		General	Conditions	and Comme	ents	·
			/	DFF		
	AFTER COOLER AIR DRIER		7		INF	
	MOTOR & COMPRESSOR	<u> </u>	(UN)	TIL NE	ENED	
		L				
Air Strippe		General	Conditions	and Commo	ents	
	COLUMN BLOWER & BELTS				· · · · · · · · · · · · · · · · · · ·	·····
	CARBON VESSELS	1				
Notes and	Comments:				· · · · · · · · · · · · · · · · · · ·	······
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SIGNED:	$\sum \lambda $	- 11-1	10-10)	DATE:	
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					• ·	August 22, 200

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August 22, 2007

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CLAREMONT POLYCHEMICAL SUPERFUND SITE EMPLOYEE SIGN IN SHEET

(¹^Uε) DATE: <u>1/09/10</u>

REASON			KOME																	
OUT	2421		1323												1	/				
REASON	005		Sdo							5	-									
Z	720		0455			1	-							•						
SIGNATURE	Pinkul		LA Lackson					ア	· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·							
NAME	PETER E. TAKACH		JAMES S. JACKSON	-	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: 11-10-10

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

Total Gallons Processed for the day:

Plant Operating Hours: 24:00 hrs.

Plant Total Downtime: 00:00 hrs.

564,900 gallons

Reason for Downtime: No downtime to report

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

Corrective Maintenance Performed: Continued with PM on snow plow

Verbal/Written Instruction from Government Personnel: No new instructions

Inspections Performed and Results:

Site safety inspection was conducted with nothing new to report.

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

Available Analytical Results: No new data available.

Calibration Procedures Performed: No calibrations required

General Remarks:

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

The PD sampling task was completed with out any remarkable events

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

 $\boldsymbol{\varsigma}$ Retal Whach

Plant Manager Signature:

Peter Takach, November 11, 2010

Attachments:

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

CC:

SAIC Program Manager USACE Project Manager File

				ERATING	LOG (Revised 1	-21-10)			
Operator:	JJACK	SUN	Day: MED	NESDAL	Date:	010	Time: (\\$2)		
PLAN	IT INFLUENT FLO	OW (GPM)	7		· ·				
IRAIN 1	TRAIN 2	TOTAL	-	PUMP	SYPHON	ENT FLOW (GP	<u>M)</u>		
<u>) 85</u>	186	371		385					
						<u>ما کیکے ا</u>	50		
Extraction	0.9.101	TOTAL	EXTRACTED G	ALLONS (HMI	- Flow Data)	1			
Wells	Flow Meter		(12:00 am	to 12:00 am)		Motor Amp	System		
EW-1	Total Volume		T-2	T-3	T-4	Load	Operating Hours		
EW-2	271981				N	<u> </u>	64006		
EW-3	249040	150540	2				57782		
	124 1040	158810					62147		
Injection	Water Level	Cianal Marte							
Wells	ft. AMSL (HMI)	Signet Meter	Signet Meter	Observations	and Comments				
IW-1	163.0	Flow Rate	Total Volume	PLANT	RAN FI	NE OVER	Night		
IW-2		94	4582419	ļ					
IW-3	1137	<u> </u>	4478677	<u> </u>					
IW-4	1563	EO.	3618289	1					
			NOT ACOT	L			<u> </u>		
Process	System	Motor	System Pres	sure Gauges					
Pumps	Operating	Amp			-				
	Hours	Load	PSI	Discharge Sid		• • •			
INF 1	75163	NM		<u>PSi</u>	COMME	INTS			
INF 2	73951			8					
INF 3	25782		SA	0 98 32 89	C ***	(D.)			
ASF 1	42202				STANID	-121			
ASF 2 ASF 3	45980	49909	SA	<u>SB</u>					
	33843	42945	0	30	- STANU	2-1311-	······································		
GAC 1	45504		2	16	†				
GAC 2 GAC 3	48980		_SB	SA	STANIN	-Di T			
REC 1	33843		3	15	1 STRACT				
REC 2	21938		OFF.	DEE					
INJ 1	66105		DEE	_ BFE					
INJ 2	40063			27					
INJ 3	-10065		8	-27		٤.	<u></u>		
SUMP		╾╾╂╼╾╾┼		NIS	NOTIN	SERVIC	e		
BLOWER									
			<u>_</u>		•	•			
	INLET	OUTLET		•					
GAC #1 (PSI)	9					System Probe	Lab Meter		
GAC #2 (PSI)	10	11			pH	DAILY	WEEKLY		
AIR DRIER (PSI)	a	a.			Reactor Tank 1	<u>534</u> N	<u> </u>		
·					Reactor Tank 2 AS. Feed	4.18	Δ		
AS Blower (H ₂ O")	4.6					6.37			
Air Temp (°F)	540	54°		ł	PLANT DISCHARGE	- pH			
Water Temp (°F)		14°C		Ľ	- III DIOONARGE	- remp.			
V-GAC #2 (H ₂ 0")	2.65	0.00			•		, • •		
		<u></u>		F	SAND FILTER DEF	TH TO WATER	(INCHES)		
Additional comme	ints:			ſ		easurement 1 M			
			l	L	· · ·	AM	If needed		
[·		reat. Train 1	31/1			
				L	reat. Train 2	3'3"			
				_		_			
<u></u>	<u> </u>		1	~	IM = Not Measured	i Ni	IS = Not in service		
÷					DL = Off Line	. –			
-	ţ	\frown I	r	5	B = Standby				
Supervisors Signatur	re:		(Dai	te i i i i					
	Tuh	! bha		·····	61-10	· ·			
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DAILY ACTIVITIES SUMMARY REPORT CLAREMONT POLYCHEMICAL SUPERFUND SITE OLD BETHPAGE, NEW YORK

OPERATOR: JJACKSON

DATE: 11/10/10

	EQUIPMENT/MATERIALS USED
LISTING OF OPERATIONS ACTIVITIES	
1) THE WEATHER IS SOME WHAT	- WARMER TIMS MORNING
1) • THE KICATHER IS SHE LURRE 2) TEMPE 50°F YOUR CURRE	
3)	
4) THE DAILY DEPATORS LOGI	LAS CONDLETED
5)	
6) THE MONITHLY SAMPLING	OF DISCHQ ISTORE
DONE FORday	
8)	
	<u>טבר</u>
10)	
11) - Dis Cha. SANIDLES T	AKEN D 0630 40835
)	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) · COPDER LINE AT THE	VENTHE SULTION & DIS
2) Cha LINE WAS REMOVED	& TEFLON PUT ON TRIENDS.
3)	
4) " TETE WENT TO R.W. TE	HILL EQUID MENT TO PICK
5) UP Z GTZ OF MELLER	INI HUDRAULIC OIL
6)	•
1) · NEARLY ONE QUART L	LAS DUT IN , A LITTLE LEFT
B) OVER - MIAN USE MORE	SNICE IN SERVICE.
9)	
10)	

	ID	ENTIFIED PROBL	EMS AND RECO	MMENDED ACT	rions		
1)				a			
<u>·/</u>							
		,, ,			· · · · ·		
					· · · · · · · · · · · · · · · · · · ·		
· · · · · · · · · · · · · · · · · · ·						· · · · · · · · · · · · · · · · · · ·	·

11-11-10

March 3, 2008 Rev. B

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

. DATE: 11/10/10

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

					askc)
Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of I	
POLYMER				NOT	
CAUSTIC				JN	
POTASSIUM PERMANGANATE			<u> </u>	SE	2VILE
HYDROCHLORIC ACID	·				(
Process Tanks		Valves	Tanks	COMMENTS (include areas of	leaks)
EQUALIZATION			<u> </u>		
TREATED WATER	· · · · · · · · · · · · · · · · · · ·	<u> </u>	<u> </u>	OK	
REACTORS	La que superior ante en	V			
CLARIFIERS			- V		
SAND FILTERS CARBON VESSELS (liq)				ÔK	
CARBON VESSEED (ny)	added as south on the first		<u></u>		
Process Systems	Pumps	s Valves	Tanks	COMMENTS (include areas of	leaks)
INFLUENT				#3 MOTOR -FIED	TRACIAL - ISSUE
SLUDGE SETTLER				ok.	
				(2)(
AIR STRIPPER FEED CARBON FEED		_ { _ / _ / _		30	
INJECTION	V			OK	
				· ·	
Floor and General Work Areas		Conditions	and Comm	ents	
SLIP, TRIP, & FALL HAZARDS	NOC		<u>.</u>	· · · · · · · · · · · · · · · · · · ·	
SHARP EDGES		•			
PINCH POINTS OTHER HAZARDS			•		
	L				
Air Compressor	General	Conditions	and Comm	ents	<u> </u>
TANK			· · · · · · · · · · · · · · · · · · ·		
AFTER COOLER	ļ	D	LINE	· · ·	
AIR DRIER MOTOR & COMPRESSOR		<u></u>	<u></u>	INTIL NEEDED	
MOTOR & COMPRESSOR	.			مي عاني المكرسانياكان الكرا بي	
Air Stripper	General	Conditions	and Comm	ents	······································
COLUMN	· 104				
BLOWER & BELTS		,			<u></u>
CARBON VESSELS	L O	<u> </u>			
Notes and Comments:				· · · · · · · · · · · · · · · · · · ·	
-					
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					<u></u>
STONED.	}			DATE: 11-11-1	<u> </u>
SIGNED: funded by					
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August 22, 2007 Rev.: C

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CLAREMONT POLYCHEMICAL SUPERFUND SITE EMPLOYEE SIGN IN SHEET

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REASON	с Ч			CID S					·		•	2									•	
Z	In C			0510															 			
SIGNALUKE				Q. Ocietes a												. 2					-	
NAME	PETER E. TAKACH			JAMES S. JACKSON	-		RICHARD C. CRONCE		<u> </u>						i		 <u></u>	1		_	1	

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

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

Day: Thursday Date: 11-11-10

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

Total Gallons Processed for day:

Plant Operating Hours: 24:00 hrs.

Plant Total Downtime: 00:00 hrs.

555,789 gallons

Reason for Downtime:

No downtime to report

Significant Operational Problems:

Influent pump #3 remains out of service

Corrective Maintenance Performed:

Installed and tested snow plow.

Verbal/Written Instruction from Government Personnel:

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

Inspections Performed and Results:

Site safety inspection was completed with no new issues to note.

Record of any tests performed, samples taken, and personnel involved:

No tests were performed or samples taken

Available Analytical Results:

No new data is available.

Calibration Procedures Performed:

No calibrations required

General Remarks:

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

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

Various training requirements have been completed.

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

Pater Whach

Peter Takach, November 12, 2010

Attachments:

Plant Manager Signature:

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) J.JACKSON Operator: Day: 1 hrusdall Time: 0613 Date:) - | | - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 - | 0 -PLANT INFLUENT FLOW (GPM) PLANT EFFLUENT FLOW (GPM) TRAIN 1 TRAIN 2 TOTAL PUMP SYPHON METER (X 10,000) GALs 1856 27 39 O κ 3 25686 Extraction TOTAL EXTRACTED GALLONS (HMI - Flow Data) Signet Motor System Wells Flow Meter (12:00 am to 12:00 am) Amp Operating Total Volume T-1 T-2 T-3 T-4 Hours Load EW-1 <u>332505</u> 272158 165660 402 <u> 12156</u> EW-2 181340 7798 EW-3 249226 189 5-27 2 T Injection Water Level Signet Meter Signet Meter Observations and Comments Wells ft. AMSL (HMI) Flow Rate Total Volume PLANT IS PUNIN IW-1 13.0 96 4596161 42A5732 94 112 IW-2 2 243°5 SKIES EAR. TEMO IW-3 4494772 IW-4 155 E 529746 Process System Pressure Gauges System Motor Pumps Operating Suction Side | Discharge Side Amp Hours Load PSI PSI COMMENTS 151 87 739 74 281 82 INF 1 NM حا INF 2 6 INF 3 JTAND-B1 ASF 1 17725 ASF 2 <u> 29909</u> $\mathcal{P}_{\mathbf{P}}$ 20 STANID - BI 12926 ASF 3 12 S GAC 1 155 27 1 11 12950 GAC 2 $\overline{\mathbf{J}}$), P STAND- R GAC 3 3817 21 2Д REC 1 21938 ΔIJ ЪF REC 2 201 Δ2 ובה <u> እ</u> ነ INJ 1 66128 INJ 2 40086 INJ 3 NIS 211 NOTIN SERVICE SUMP BLOWER INLET OUTLET System Probe Lab Meter GAC #1 (PSI) 10 Ģ DAILY WEEKLY рH GAC #2 (PSI) 12 11 Reactor Tank 1 34 AIR DRIER (PSI) 61 $\sim l$ Reactor Tank 2 22 <u>_3</u>7 AS. Feed AS Blower (H₂O") Air Temp (°F) PLANT DISCHARGE - pH 550 PLANT DISCHARGE - Temp. Water Temp (°F) 14°C V-GAC #1 (H20") $O \cdot O U$ V-GAC #2 (H20") SAND FILTER DEPTH TO WATER (INCHES) Measurement 1 Measurement 2 Additional comments: AM If needed SNOW PLOW DUTON - THECK 13-41 Treat. Train 1 13/4" Treat. Train 2 Hydraulic DIL LEVEL NM = Not Measured NIS = Not in service OL = Off Line SB = Standby Supervisors Signature: Date 11-12-10

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

OPERATOR: J. JACKSON

DATE: 11-10-10

LISTING OF OPERATIONS ACT	VITIES	EQUIPMENT/MATERIALS USED
1) THE DAILY OPERA		
	DION	WAS DITON TO THEEK
	SOUDIR	DLOW System)
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6) THE CODE OF CO	NDULTV	LAS DONE
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11)	•	

-	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
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2)	· · ·	
3)	•	
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	IDENTIFIEI	D PROBLEMS AND RECOM	IMENDED AC	TIONS		
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· ta	Alchal	11-12-10		•		
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DAILY SITE SAFETY INSPECTION

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CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

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DATE: 11-11-10

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

	Bumps	Valves	Tanks	COMMENTS (include areas of leaks)
Chemical Feed Skids	Pumps	VUIVCO		NOT
POLYMER CAUSTIC		-[
POTASSIUM PERMANGANATE				IN Contract
HYDROCHLORIC ACID				SERVICE
•			Tooko	COMMENTS (include areas of leaks)
Process Tanks		Valves	Tanks	
EQUALIZATION	a che a se second de la companya de		- <u>-</u>	
TREATED WATER	8. (1. 18. (1. 19. (1. 19. 19. 19. 19. 19. 19. 19. 19. 19. 1			
REACTORS	Carlos and Same			
CLARIFIERS	4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.			
	1999 - 19			DV :
CARBON VESSELS (liq)	alada and water and	<u> </u>	<u> </u>	
Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT				ELECTRICAL TSSUES
SLUDGE SETTLER	ν_			012
RECYCLE			1	<u>O/</u>
AIR STRIPPER FEED			1/	UP
CARBON FEED		\downarrow		
INJECTION			م برمی بیونیونیونیونیونی م	
Floor and General Work Areas	General (Conditions a	and Comme	nts ·
SLIP, TRIP, & FALL HAZARDS	NOA			
SHARP EDGES			1	
> PINCH POINTS	11			
OTHER HAZARDS	- P			
	L			、
Air Compressor	<u>General</u>	Conditions a	and Comme	ints
TANK			· · · · ·	
AFTER COOLER		OF	F. LIN	NTL MEEDED
AIR DRIER				VILL MEEDED
MOTOR & COMPRESSOR	L			
Air Stripper	General	Conditions a	and Comme	ents
COLUMN	DIL			
BLOWER & BELTS	5%			
CARBON VESSELS	<u> </u>			
				· · ·
Notes and Comments:			<u> </u>	
INFLUENT DUNIO #3	- HAO	a eu		DE ISSUE-INTERMITTEN
Problem.				
-	•			
			<u> </u>	······
SIGNED: 1. It the		11	-12-10	DATE:
STORED.		• I		
				August 22, 20
Doc. No.: CPS-Form-009	•••			Rev.

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE EMPLOYEE SIGN IN SHEET

Thru DATE: 11-110

NAME	SIGNATURE	Ň	REASON	OUT	REASON
					,
PETER E. TAKACH	1 - inter	6 30	GFS	1545	
JAMES S. JACKSON		0605	NON	1326	Home
-					
RICHARD C. CRONCE		2	· / ~ (
			C L		
			3		
	-				
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				,	

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

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

Day: Friday **Date**: 11-12-10

Weather Forecast

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

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

Plant Operating Hours: 72:00 hrs.

Total Downtime: 00:00 hrs.

Reason for Downtime:

No downtime required

Significant Operational Problems:

Influent pump #3 will not start

Corrective Maintenance Performed:

General plant clean up including out door work Continued with adjustments to check valves

Verbal/Written Instruction from Government Personnel:

No new instructions received

Inspections Performed and Results:

Daily site safety inspection performed – no new issues observed. Comprehensive site safety inspections completed Well field was inspected

Record of any tests performed, samples taken, and personnel involved:

Plant sound level monitoring was completed

Available Analytical Results:

No new data available

Calibration Procedures Performed:

Sound level meter was calibrated

General Remarks:

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

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

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

Put whach

Plant Manager Signature:

Peter Takach, November 15, 2010

Attachments:

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

CC:

SAIC Program Manager USACE Project Manager File

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

Operator:	Jacks		Day: FRI DA		Date: 11 -)	2-10	<u>тіте: 0646</u>
PLANT	INFLUENT FLO	W (GPM)	ר			ENT FLOW (GF	M)
TRAIN 1	TRAIN 2	TOTAL	1	PUMP	SYPHON		(10,000) GALs
1956	156	372	1	390	6	251	
			-4				
Extraction	Signet	TOTAL	EXTRACTED GA	LLONS (HMI -	Flow Data)	Motor	System
Wells	Flow Meter		(12:00 am	to 12:00 am)	·	Amp	Operating
	Total Volume	T-1	T-2	T-3	T-4	Load	Hours
EW-1	332669	163020					64038
EW-2	272338						57814
EW-3	249 416	1868AD					62179
	· ·						· · · · · · · · · · · · · · · · · · ·
Injection	Water Level	Signet Meter	Signet Meter		and Comments		· .
Wells W-1	ft. AMSL (HMI)	Flow Rate	- Total Volume	TUANI	TRAN E	ING LAS	E Night.
W-2	163.1	<u> </u>	4610080			·	
W-3	1217	<u></u>	4258893	WE ST	ILL JANG	A ELECI	PIAL TSSUG
W-4	162.1	50	4511045		· · · · · · · · · · · · · · · · · · ·		
	1000		1.7041211		IDENI PU	5mp 51	ation #3
Process	System	Motor	System Pres	sure Gauges	·		
Pumps	Operating	Amp	Suction Side	Discharge Side			
•	Hours	Load	PSI	PSI	COMN	IENTO	
NF 1	75211	NUY	0	<u>۲۵۱</u>		IEN IS	
NF 2	73998		6	- 4-	· · · · · · · · · · · · · · · · · · ·		
NF 3	28782		- SB	52	CTA	NIN -PH	
SF 1	42249			र्द्रञ्च			
SF 2	499.09		513	SR	557	VIN-12/1	
SF 3	429401			31		<u> 1017 - 217 -</u>	
GAC 1	455.51		7	il.			
GAC 2	489 80		512	-9.B	STAL	NID - BU	·
SAC 3	33 841		3	25			
REC 1	21938			OFF			
EC 2	20142			NFF .			
NJ 1	65152		6	27			
NJ 2 NJ 3	46110		<u> </u>	27		و	•
UMP			NUS	NIS_	NICT	IN SERV	ILE
LOWER						v	
	(- W			l .		·
T	INLET	OUTLET		•	, ·		
AC #1 (PSI)	11 1	9		i		System Probe	
AC #2 (PSI)	11				pH Reactor Tank 1	DAILY 5.2.3	WEEKLY
R DRIER (PSI)	OL_	02			Reactor Tank 2	5.03	
					AS. Feed	6.38	
Blower (H ₂ O")	_4.7_				PLANT DISCHAR		
r Temp (°F)	55" [550			PLANT DISCHAR		└────────────────────────────────────
ater Temp (°F)		1400		•		4	· · · · · · · · · · · · · · · · · · ·
GAC #1 (H ₂ 0") GAC #2 (H ₂ 0")	- 4.45	010		-			
0/10 #2 (1120)					SAND FILTER D		
ditional comme	-					Measurement 1	Measurement 2
raidonai comme	115.		1			AM	If needed
• • • • • • • • • • • • • • • • • • •					Treat. Train 1	132411	
			I	l	Treat. Train 2	133/112	
					NM = Not Measu OL = Off Line	red	NIS = Not in service
			_	:	SB = Standby		
pervisors Signatu	re: 1.21	-(1)	\ ·				
	" tal	~ V-K-ci		ate [-	2-13	. ·	
	• •	•					
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Doc. No.: CPS-Form- 008

Jan. 21, 2010 Rev.: J

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

OPERATOR: J.JACKSON

DATE: 11-11-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) "This MORNING IS A NORNIAL	
1) CIDIS MIDENING IS A RUZVIAL	$\sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i$
2) JIME OF THE NEAR, JEMP	
3)	
4) • THE Daily ODERAtors Log V	LAS DONE
5)	
6). CAU IT THIS MORNING to V	AVE Flash PLALER-10
7) IN STALLED	· · · · · · · · · · · · · · · · · · ·
8)	· · · · · · · · · · · · · · · · · · ·
9) ADJUSTMENT MADE TO CH	ECK VALVE # 3 AT CARAD
10) ADSORBER FEED.	
11)	

	L	STING OF MAINTE	NANCE ACTIVITIES	EQUIPMENT/MATERIALS USED							
1)	·TOOK	ONLINE	(SE0032)	SE	wenty	TRAINING					
2)					,	· · · · · · · · · · · · · · · · · · ·					
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4)				•			. <u></u>				
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9)		·	·		······································						
10)			· ··· ·								
11)			•								

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS											
1)											
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Statel - 10-15-11

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March 3, 2008 Rev. B

DAILY SITE SAFETY INSPECTION

CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11-11-10

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

		Dumpe	Valves	Tanks	COMMENTS (include areas of le	aks)
Chemical I		Pumps	401463		ON	
	POLYMER CAUSTIC					
	POTASSIUM PERMANGANATE	1.			UNE	<u> </u>
• . •	HYDROCHLORIC ACID					
•	HIDROCHEORIC ACTO	<u></u>				-ke)
Process Ta	anks		Valves	Tanks	COMMENTS (include areas of le	
	EQUALIZATION				1X	
	TREATED WATER	Second and the second sec		- ↓ ¥		
	REACTORS		<u> </u>	<u> </u>		
	CLARIFIERS	يە يېرىكى بېرىكى ئې مەربىي	<u>/</u>	· · ·		
	SAND FILTERS	dan sana kata sa	/	<u> </u>		
	CARBON VESSELS (liq)	และ เริ่มและ เกมส์เมส์	<u> </u>			
D		Pumps	Valves	Tanks	COMMENTS (include areas of le	eaks)
Process S	INFLUENT				OY.	
	SLUDGE SETTLER				DK.	
	RECYCLE				0.	
	AIR STRIPPER FEED				OK	
	CARBON FEED	V	V	V	AK	
	INJECTION		./		OŁ	
Floor and	General Work Areas	the second s	the second s	and Comme		
	SLIP, TRIP, & FALL HAZARDS		JE	<u>.</u>	I	
*	SHARP EDGES	>1	· · · · ·	<u> </u>		
•		<u>»</u>	`			· · · · · · · · · · · · · · · · · · ·
	OTHER HAZARDS	<u>' 11</u>			· · · · · · · · · · · · · · · · · · ·	
Air Comp	ressor	General	Conditions a	and Comme	ents	
	TANK			•		
	AFTER COOLER		OEF		A	
	AIR DRIER			LINE	• •	<u> </u>
•	MOTOR & COMPRESSOR				· · · · · · · · · · · · · · · · · · ·	
A. 0		Conomi	Conditions	and Commo	ente	
Air Stripp	er COLUMN		CONDITIONS		5175	
	BLOWER & BELTS				· · · · · · · · · · · · · · · · · · ·	
	CARBON VESSELS				· · · · · · · · · · · · · · · · · · ·	
Notes and	d Comments:				· · · · · · · · · · · · · · · · · · ·	
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					DATE: 11-15-10	
SIGNED:	_ turk Mal				DATE: 11 / 10 / 0	<u> </u>
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17 Rev.: C

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

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Operations and Maintenance Document

SOUND MONITORING WORK SHEET

Day	FRIDAY
Date	11-12-10
Instrument ID	Gentle 93-20 # 31
Battery Check	OL
Calibration Check	OK
Inspector	TAKACH

Area	Reading (dB)	Conditions
Office	62-64	Done TO Sidop Cluper
HVAC Mezzanine	NOT MOASU	
Clarifier Mezzanine	78-80	
Injection Pumps (at motors)	76-20	¥152
AS Feed Pumps (at Motors)	98-100	122 (-+)
Air Compressor Station	OFF	
Air Stripper Tower Area	96.80	
AST Blower	84-26	
Paved Area	60-70	· · ·
Shop	74.76	Door Closel
	•	

Comments and Observations:	
BEARING Noise OFF OF ASF PUMP 3	IS GETTING
WORSE, NOWWORL, THE PIMP IS PERFORMING	Fint.

.

NM - Not Measured

Document No.:	Date of Issue:	Revision Level:
CPS-Form-015	July 9, 2010	F
Page 1 of 1		

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CLAREMONT POLYCHEMICAL SUPERFUND SITE EMPLOYEE SIGN IN SHEET

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DATE: 11	REASON		Mome		-													
	OUT	5451	135 Ì															
LINI LOTEE SIGN IN SHEET	REASON	342	ÚDS (61	•	/									
	Z	Sil	D531			(Ť											
	SIGNATURE	Dinter	(Mackson)															
	NAME	PETER E. TAKACH	 JAMES S. JACKSON	-							<u>.</u>			<u>-</u>	1		<u> </u>	

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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**: 11-15-10

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

Total Gallons Processed for Day:

562,343 gallons

Plant Operating Hours: 24:00 hrs.

Total Downtime: 00:00 hrs.

Reason for Downtime:

No downtime required

Significant Operational Problems:

Influent pump is out of service

Corrective Maintenance Performed:

Outdoor cleanup and maintenance tasks

Verbal/Written Instruction from Government Personnel:

Conference call with USEPA and USACE - discussion of transition items deliverable to NYSDEC

Inspections Performed and Results:

Daily site inspection performed. No new issues to note.

Record of any tests performed, samples taken, and personnel involved:

Performed plant air monitoring task – no emissions observed Plant discharge pH and temperature recorded

Available Analytical Results:

No new data available

Calibration Procedures Performed:

The lab pH meter was calibrated. The lab PID meter was calibrated. Process pH electrodes were calibrated

General Remarks:

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

General O&M activities continue inside and outside the plant

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

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

James Jackson and Peter Takach were on-site.

Puter whach

Plant Manager Signature:

Peter Takach, November 16, 2010

Attachments:

- Daily Operating Log Daily Activities Summary Report Daily Site Safety Inspection Log Air Monitoring Log Sign In Sheet
- cc: SAIC Program Manager USACE Project Manager File

Table 8-2 - DAILY OPERATING LOG (Revised 1-21-10) Operator: J. JATKSON Day: MONIDAN Date: 11-15-10 Time: 0520 PLANT INFLUENT FLOW (GPM) PLANT EFFLUENT FLOW (GPM) TRAIN 2 TOTAL PUMP SYPHON METER (X 10,000) GALs 186 2 $\overline{}$ 3912 25911 n

Extraction	Signet	TOTAL E	XTRACTED GA	- ·			
Wells	Flow Meter		(12:00 am t	Motor Amp	System Operating		
	Total Volume		T-2	T-3	T-4	Load	Hours
EW-1 EW-2	1555160	12 210	11A570	16780	167510		12081
EW-3	5/6063	19170	180700	184050	184050		57863
	1471922	101450	154000	192690	1976973		67725

Injection	Water Level	Signet Meter	Signet Meter	Observation
Wells	ft. AMSL (HMI)	Flow Rate	-	
IW-1	1/2.1		Total Volume	MILD TEMPTHIS MURNING, TEMO
IW-2			4 6 1 1 10	
IW-3		- 94	4299256	050°F
IW-4	- 1 43.5	<u> </u>	45.59106	
100-4	150A		387 5507	PLANT RAN FINE DUF? WEEK END

Process	System	Motor	System Pres	ssure Gauges	
. Pumps	Operating	Amp	Suction Side	Discharge Side	
INF 1	Hours	Load	PSI	PSI	COMMENTS
INF 2	75281	NM	2	6	
INF 3	74065	·	3	8	
ASF 1	26782		<u>SB</u>	SB	STANIL-BI/
ASF 2	49909		<u> </u>	32	
ASF 3	43060		SB	23	STAND-BU/
GAC 1	25621		<u> </u>	i and a star in the second star in the second star in the second star is a star in the second star in the second star is a star in the second star	
GAC 2	46950		SIR	-58	
GAC 3	33961				STANID-BIJ
REC 1	21938		OFF	AFC	
REC 2	20742		OF-F	OFF.	
INJ 1	60722				<u> </u>
INJ 2	40120		_ 6		\
INJ 3			Q		
SUMP				-AUS	NOS IN SERVICE
BLOWER					

	INLET	OUTLET
GAC #1 (PSI)	10	
GAC #2 (PSI)	13	11
AIR DRIER (PSI)	N	61
AS Blower (H ₂ O") Air Temp (°F)	4.8	
Air Temp (°F) Water Temp (°F)	4.6 550	55°
AS Blower (H ₂ O") Air Temp (°F) Water Temp (°F) V-GAC #1 (H ₂ 0") V-GAC #2 (H ₂ 0")	4.6 550 2.15	550 14°C

Additional comments:	
Supervisors Signature: Huttal	1

	System Probe	Lab	Meter
pH	DAILY	WE	EKLY
Reactor Tank 1	5.33	U 3	1400
Reactor Tank 2	4.26	6.19	1400
AS. Feed	638	144	120L
PLANT DISCHAR	GE - pH	τ.	46
PLANT DISCHAR	GE - Temp.	1	100

SAND FILTER DEPTH TO WATER (INCHES)

	Measurement 1	Measurement 2
	AM	If needed
Treat. Train 1	133/0 11	
Treat. Train 2 ⁻	13/11	

NM = Not Measured OL = Off Line SB = Standby

NIS = Not in service

TRAIN 1

186

Date 11-16-10

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

1

OPERATOR: _

JJACKSON

DATE: 11-15-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) TEMP @ 50° This MORNING	х
2)	
3) · PLANT RAM ANE OVER WAR	GK FNID
4)	
5) . The wally operator la	G WAS ECONIDLETED
6)	
1) . THE DID WAS EAUBRAT	FR-AR MONITORING NONE
0)	•
9) . The MEEKLY PH'S & TEM	NOS WERE DONIE
10)	-
11) · THE LEAVES AROUND the	FIREATIMENT TO AND ED

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED			
1) TANK WERE BLOWINED LA	h PLANT BLANCO			
<u><)</u>				
3) · RAKED STONES AROUND	DLANU SLOW			
4)				
5)	·			
6) .	· · · · · · · · · · · · · · · · · · ·			
7)				
8)				
9)				
10)				
11)				

IDENTIFIED PROBLEMS AND RECOMMENDED ACTIONS						
	• •			· · ·		
	·					
			······································			
				·		
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11-16-10 tokal

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

Check all areas, process syst	ems, and e	ouipment	for gener	DATE: $11 - 15 - 10$
This is to include but is not li	imited to th	e observa	tion of <u>lea</u>	aks, noise, abnormal function.
Chemical Feed Skids POLYMER	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
CAUSTIC POTASSIUM PERMANGANATE HYDROCHLORIC ACID	· · · · · · · · · · · · · · · · · · ·			IN SERVICE
Process Tanks	L	Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION TREATED WATER REACTORS CLARIFIERS SAND FILTERS CARBON VESSELS (liq)				
Process Systems INFLUENT SLUDGE SETTLER RECYCLE AIR STRIPPER FEED CARBON FEED INJECTION	Pumps	Valves	Tanks	COMMENTS (include areas of leaks) H 3 E) E [T2]A) ISSI O]C ()C ()C ()C ()C ()C ()C ()C ()
ioor and General Work Areas SLIP, TRIP, & FALL HAZARDS SHARP EDGES PINCH POINTS OTHER HAZARDS	General C N (عد) 4 ۲۱ ۱۱		nd Comme	nts
ir Compressor TANK AFTER COOLER AIR DRIER MOTOR & COMPRESSOR	General C	onditions an	╱ ン \	nts NE
ir Stripper COLUMN BLOWER & BELTS CARBON VESSELS	General C DK DK DK	onditions ar	nd Commer	nts
lotes and Comments:			· · · · · · · · · · · · · · · · · · ·	
IGNED: Patrickach	· · · · · · · · · · · · · · · · · · ·			DATE: 11-16-10
oc. No.: CPS-Form-009				August 22, 200 Rev.: (

AIR MONITORING LOG CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler JJACKSON 15		Date	11-15-16
	M 1 ISOLBUT RPM 1 100 PPM		-
Location	Reading (ppm)	7	
CONTROL ROOM			
Laboratory	0.0		
Bathroom	0.0		·
Office	D.D	1	
PLANT		1	
Influent Area	0.0		
Sludge Storage Area	O.D]	
Sand Filter Area	0·D]	
Air Compressor Area	0.0	1	
Sludge Press Area	0.0]	
EXTERIOR			
Storage Tanks	0.0		
Upper (South West) Lot	00		
Lower (South East) Lot	D.D		
Air Stripper Area	0.0		
Back (North)			dare;
GAC VESSELS]	
#1 Influent	0.0		
#1 Effluent	00		
#2 Influent	OL		
#2 Effluent	UL	,	

Comments:

March 3, 2008 Rev. B

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CLAREMONT POLYCHEMICAL SUPERFUND SITE EMPLOYEE SIGN IN SHEET

NUN DATE: 11/15/10

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REASON				HUMK	•																			
OUT		19%		1335		•																		
REASON		220		C C C			•																	
N	つたい			D5/4					N V V															
SIGNATURE				OLDERSION																				
NAME	PETER F TAKACH			JAMES S. JACKSON	 	RICHARD C. CRONCE			z ,		~ _I_	<u> </u>		I .				I	<u> </u>				<u> </u>	

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

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

Day: Tuesday Date: 11-16-10

·

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

Total Gallons Processed for period:

570,793 gallons

Plant Operating Hours: 24:00 hrs.

Total Downtime: 0:00 hrs.

Reason for Downtime:

No downtime required

Significant Operational Problems:

Influent Pump #3 will not activate

Corrective Maintenance Performed:

Indoor plant clean up Cleaned and adjusted pH electrodes in Reaction tanks

Verbal/Written Instruction from Government Personnel:

No new instructions received

Inspections Performed and Results:

Site safety inspection was conducted with nothing new to report.

Record of any tests performed, samples taken, and personnel involved:

No tests performed or samples taken

Available Analytical Results:

No new analytical results were available

Calibration Procedures Performed:

Reaction tank pH electrodes were calibrated Lab pH meter was calibrated

General Remarks:

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

Documentation tasks continue - transfer info, SAIC training

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

Patri Whach

Plant Manager Signature:

Peter Takach, November 17, 2010

Attachments:

.

- Daily Operating Log Daily Activities Summary Report Daily Site Safety Inspection Log Sign In Sheet
- cc: SAIC Program Manager USACE Project Manager File

		Table 8-2 -	DAILY OPE	RATING	-OG (Revised	1-21-10)	
Operator:	JJACK	SON	Day: TUE	SUNI	Date:) /	16-10	Time: 0513
	T INFLUENT FLO		7			-	
TRAIN 1	TRAIN 2	TOTAL	-1		PLANT EFFL	UENT FLOW (C	
126	186	372	-1	PUMP	SYPHON		(X 10,000) GALs
			-J	- 391		ZE	968
Extraction	Signet	TOTAL					
Wells	Flow Meter		EXTRACTED G	ALLONS (HMI	- Flow Data)	Motor	System
-	Total Volume	T-1		to 12:00 am)		Amp	Operating
EW-1	333323		T-2		T-4	Load	Hours
EW-2	273055	1155770			\mathbf{N}		(A103
EW-3	250171	185240	<u> </u>		· ·		57 879
	1630111	194,310					62244
Internitory	·						
Injection	Water Level	Signet Meter	Signet Meter	Observations	and Comments		
Wells	ft. AMSL (HMI)	Flow Rate	. Total Volume	RAINU	MORN	inco	
IW-1	163,1	96	4665027			<u>1009</u>	
IW-2	121.5	93	4312826	PLANT	SRUNNI	the Train	
IW-3	163.8	511	43+2626	457521-	1 SECNAL	NG FINE	· · · · · · · · · · · · · · · ·
IW-4	156.4	79	32866962				
			1000	f			
Process	System	Motor	System Proc	sure Gauges			
Pumps	Operating	Amp	Suction Side	Sule Gauges	-		
	Hours	Load		Discharge Side			
INF 1	75304	NIM	PSI	PSI	COMN	MENTS	
INF 2	74091	<u></u>		ما			
INF 3	251 82	———————		<u> </u>			
ASF 1	42342		63	- 38	STAN	リーアン (
ASF 2	49409			33			
ASF 3	1 2 2 2 2		-513	<u>58</u> 31	STAN	VE-CIL	
GAC 1	43083	·	()	31		~~	
GAC 2	45644			16			
GAC 2 GAC 3	48980		53	SA	STAN	D-BV	
2 million and a second s	237 84		3	17	- STRAN	<u>1978 v</u>	
REC 1	21938		DFF	OFA			
REC 2	20742		DFF	0FF			
INJ 1	66245						
INJ 2	402.04		<u> </u>	27	· · · · · · · · · · · · · · · · · · ·		
INJ 3			NIS	NIS		·····	
SUMP			<u> </u>	1112		SERVIC	€
BLOWER							
			<u> </u>				·
	INLET	OUTLET		•	· •	•	
GAC #1 (PSI)	10	8				System Probe	Lab Meter
GAC #2 (PSI)		-0		1	pH	DAILY	WEEKLY
AIR DRIER (PSI)	01	(1		1	Reactor Tank 1	5.34	
v - 71		<u></u>			Reactor Tank 2	4.78	
AS Blower (H ₂ O")	4.6			1	AS. Feed	6.38	
Air Temp (°F)	550	550			PLANT DISCHAR	GE - pH	
Water Temp (°F)		<u> </u>		1	PLANT DISCHARC	GE - Temp.	
V-GAC #1 (H ₂ 0")		140=		-			
V-GAC #2 (H20")	2.65	<u>DIU</u>					· ·
		O_{L}		- IS	SAND FILTER D	ÈPTH TO WAT	ER (INCHES)
Additional commer	······			, r		Measurement 1	
naononal commer	ins:				F	AM	if needed
·				15	reat. Train 1	133/4	
				H	reat. Train 2	13/4"	
				L		<u></u>	
				N	IM = Not Measur		NIO 11 1
			1	, ,)L = Off Line	60	NIS = Not in service
	\sim				B = Standby		
	1211.			2	u – Glandoy		
Supervisors Signature	e Tull	ite V	Da	to 11-17-	.1X		
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Doc. No.: CPS-Form- 008

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

OPERATOR: UJALKSUN

DATE: 11-16-10

:

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) · RAINY MORNING, SLIGHT FO	
2)	J
3) · RAN FINE OVER NIGHT, NO?	Problems
4)	
5) - The DAILY OPERAtors Loc	WAS DONIE
6)	
7) . PORTIONIS OF THE UPPER LEV	TEL WAS MOPPED
8)	
9) . THE REAR BED OF TRUCK WI	AS SWIEDTED DITT
10)	
11) - WOEKing ONTIME CHARGING -	

ļ	LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1)		
2)		
3)	•	
4)	· · · · · · · · · · · · · · · · · · ·	
5)	· · ·	
6)		· · ·
7)		
3)		
ə)		
10)		
11)		· · ·
17		•

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

DATE: 11-10-10

•,

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

Chemical	Feed Skids	Burner	Valves	Tanks	COMMENTS (Include areas of leaks)
Chemical	POLYMER	Pumps			N.S.
	CAUSTIC				
	POTASSIUM PERMANGANATE	<u> </u>			IN .
· · ·	HYDROCHLORIC ACID				SERVICE
		L			
Process T	anks		Valves	Tanks	COMMENTS (include areas of leaks)
	EQUALIZATION			×	
	TREATED WATER				al
	REACTORS			V	OK
	CLARIFIERS	المراجعة (1993). المطالبة المراجع من محمد الم	<u> /</u>	1	1 OK
	SAND FILTERS	and an article of the second		· /	OK
	CARBON VESSELS (liq)			1.	
	· · · ·	_ ,			
Process S		Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
	INFLUENT SLUDGE SETTLER	Y	<u> </u>		#3 ELECTRICAL TSSUES
	RECYCLE		1	<u>v</u>	
	AIR STRIPPER FEED		<u> ·/</u>	V	
	CARBON FEED				OL.
	INJECTION			1	OK.
			<u> </u>		
Floor and	General Work Areas	General C	onditions a	and Comme	ents
	SLIP, TRIP, & FALL HAZARDS	NONE			, , , , , , , , , , , , , , , , , , ,
•	SHARP EDGES	11		\$	
,	PINCH POINTS	y .	1.		
	OTHER HAZARDS	U.			
Air Compre	BEEOF	, 			
	TANK	General Co	proitions a	nd Comme	nts
	AFTER COOLER		OFF	•	
	AIR DRIER			<u> </u>	•
	MOTOR & COMPRESSOR		·	LINE	
					<u> </u>
Air Strippe		General Co	onditions a	nd Comme	nts
	COLUMN	OK.		· · · · · · · · · · · · · · · · · · ·	
	BLOWER & BELTS	CK	•		· · · · · · · · · · · · · · · · · · ·
	CARBON VESSELS	CL.			
Notes and	Comments:				· · · · · · · · · · · · · · · · · · ·
	UPPER LEVEL FLOOD	e - mot	DED	:	
				i	
				1	
					·· ·
	-	-			
				:	·
SIGNED	tych 0				11-17-1)
SIGNED:	- Inninfall			i	DATE: 11-17-10
	•				
				:	
Doc. No.: CP	S-Form-009				August 22, 2007
					Rev.: C

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CLAREMONT POLYCHEMICAL SUPERFUND SITE EMPLOYEE SIGN IN SHEET

DATE: 11-16-10

NAME						
	SIGNALUKE	Z	REASON	OUT	REASON	
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PEIERE. TAKACH	+ INVIL	24	500-	14451		Ì
				-		
						-
						1
JAMES S. JACKSON	T.JACKSUN)	0506	CDERATICE	1336	Home	·
-				 		1
						7
RICHARD C CRONCE						
						T
		40				·
			· · · · · · · · · · · · · · · · · · ·			
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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: 11-17-10

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

Total Gallons Processed for day:

Plant Operating Hours: 24:00 hrs.

559,611 gallons

Total Downtime: 00:00hrs.

Reason for Downtime:

No downtime required

Significant Operational Problems:

Influent Pump #3 is not operating

Corrective Maintenance Performed:

Outdoor plant clean up

Verbal/Written Instruction from Government Personnel:

Submitted ASR for December's PD sampling

Inspections Performed and Results:

Site safety inspection was conducted with nothing new to report. The well cluster at MW-8 was inspected

Record of any tests performed, samples taken, and personnel involved:

The water levels at selected monitoring wells were taken

Available Analytical Results: No new data available.

Calibration Procedures Performed: No calibrations required

General Remarks:

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

Plant and equipment clean up continues.

Miscellaneous documentation tasks continue.

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

"Putit whach

Plant Manager Signature:

Peter Takach, November 18, 2010

Attachments:

- Daily Operating Log Daily Activities Summary Report Daily Site Safety Inspection Log Sign In Sheet
- cc: SAIC Program Manager USACE Project Manager File

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

TRAIN 1 Image: Second structure Extraction Wells T EW-1 Second structure EW-2 EW-2 EW-3 Injection Wells IW-2 IW-3 IW-4 Process Pumps INF 1 INF 2 NF 3 ASF 1 ASF 2 ASF 3 GAC 1 AAC 2 AI INAC 2 IMP LOWER INAC #1 (PSI) AC #2 (PSI)	562 8	TOTAL 372 TOTAL T-1	EXTRACTED G (12:00 an T-2 Signet Meter Total Volume 4678942 432 6470 439 1509 389 8450 System Pres Suction Side PSI D O SV3 1 S B O 4	Observations a	PLANT EFFLUENT FLOV SYPHON MET O Flow Data) Mol Am T-4 Loz and Comments RAIN FINE L	V (GPM) ER (X 10,000) GALs LoD Z-5 tor System Operating Hours (.4119 57895 (.2260
TRAIN 1 Image: Second structure Extraction Wells T EW-1 Second structure EW-2 EW-2 EW-3 Injection Wells IW-2 IW-3 IW-4 Process Pumps INF 1 INF 2 NF 3 ASF 1 ASF 2 ASF 3 GAC 1 AAC 2 AI INAC 2 IMP LOWER INAC #1 (PSI) AC #2 (PSI)	TRAIN 2 186 Signet Flow Meter Total Volume 334 & 6 273 2 34 50 35 9 Water Level AMSL (HIMI) 1630 172.3 163.5 156.7 System Operating Hours 74115 257 82 257 857 82 257 857 82 257 857 82 257 857 857 257 857 857	TOTAL 372 TOTAL T-1 167945 178990 187420 Signet Meter Flow Rate 97 97 12 12 12 12 12 12 12 12 12 12	(12:00 an T-2 Signet Meter . Total Volume 4678942 432 6470 432 6470 459 1509 389 8450 System Pres Suction Side PSI 0 0 538 0 0 538 0 0 4	ALLONS (HMI- to 12:00 am) T-3 Observations a HEAVY TLAMI Sure Gauges Discharge Side PSI SI3 SI3	SYPHON MET O Comments RAIN FINE L COMMENTS	ER (X 10,000) GALs 2 (20 2-5 tor System Operating Hours (24 119 57 8 95 (22 60 Control 10 Control 10 Con
Extraction Wells T EW-1 3 2 EW-2 2 2 EW-3 2 2 Injection W Wells ft. IW-1 IW-2 1 1 IW-2 IW-3 IW-4 1 Process Pumps C 1 NF 1 1 1 1 NF 2 - - - NF 3 2 - - ASF 1 4 - - ASF 2 2 - - ASF 3 2 - - AC 1 4 - - - AC 2 2 - - - AC 3 3 - - - UMP - - - - LOWER - - - - AC #1 (PSI) - - - - AC #2 (PSI) - - - -	186 Signet Flow Meter Total Volume 33486 273234 50359 Water Level AMSL (HIMI) 1630 172.3 163.6 172.3 163.6 172.3 163.6 172.5 163.6 163.6 172.5 163.6 172.5 163.6 172.5 163.6 172.5 163.6 172.5 163.6 172.5 163.6 172.5 163.6 163.6 172.5 163.6 172.5 163.6 172.5 163.6 172.5 163.6 172.5 163.6 172.5 163.6 163.6 172.5 163.6 172.5 163.6 172.5 163.6 172.5 163.6 175.5 165.6 175.5 165.6 175.5 165.6 175.5 165.6 175.5 165.6 175.5 165.5 175.5 165.5 175.5 165.5 175.5 165.5 175.5 165.5 175.5	372 TOTAL T-1 167945 178990 187420 Signet Meter Flow Rate 97 12 99 Motor Amp Load	(12:00 an T-2 Signet Meter . Total Volume 4678942 432 6470 432 6470 459 1509 389 8450 System Pres Suction Side PSI 0 0 538 0 0 538 0 0 4	ALLONS (HMI- to 12:00 am) T-3 Observations a HEAVY TLAMI Sure Gauges Discharge Side PSI SI3 SI3	Flow Data) Mol Am T-4 Loa and Comments RAIN AT TIME RAIN FINE L COMMENTS	tor System Operating Hours (4119 57895 (2260 S AST NIGHT
Extraction Wells T EW-1 3 2 EW-2 2 2 EW-3 2 2 Injection W Wells ft. IW-1 IW-2 1 1 IW-2 IW-3 IW-4 1 Process Pumps C 1 NF 1 1 1 1 NF 2 - - - NF 3 2 - - ASF 1 4 - - ASF 2 2 - - ASF 3 2 - - AC 1 4 - - - AC 2 2 - - - AC 3 3 - - - UMP - - - - LOWER - - - - AC #1 (PSI) - - - - AC #2 (PSI) - - - -	Signet Flow Meter Total Volume 33486 273234 50359 Water Level AMSL (HIMI) 1630 172.3 163.5 155.7 System Operating Hours 74115 257.82	TOTAL T-1 162945 17 8990 187420 Signet Meter Flow Rate G2 12 12 79 Motor Amp Load	(12:00 an T-2 Signet Meter . Total Volume 4678942 432 6470 432 6470 459 1509 389 8450 System Pres Suction Side PSI 0 0 538 0 0 538 0 0 4	ALLONS (HMI- to 12:00 am) T-3 Observations a HEAVY FLAMI Sure Gauges Discharge Side PSI SI3 SI3	- Flow Data) Mol Am T-4 Los and Comments RAIN AT TIME RAIN FINE L COMMENTS	tor System operating id Hours (.4119 57895 (.2260 S AST NIGHT.
Wells T EW-1 3 EW-2 2 EW-3 2 EW-3 2 Injection M Wells ft. IW-1 IW-2 IW-2 IW-3 IW-4 IW-4 Process Pumps INF 1 4 ASF 2 4 ASF 1 4 ASF 2 2 ASF 3 2 AC 1 4 AC 2 4 DAC 2 4 UMP LOWER LOWER IN AC #1 (PSI) AC #2 (PSI)	Flow Meter Total Volume 334 & 6 273 2 34 50 35 9 Water Level AMSL (HMI) 1630 172.3 163.5 155.7 System Operating Hours 74115 257 82 257 857 82 257 857 82 257	T-1 167965 178990 187420 Signet Meter Flow Rate 97 97 97 12 179 Motor Amp Load	(12:00 an T-2 Signet Meter . Total Volume 4678942 432 6470 432 6470 459 1509 389 8450 System Pres Suction Side PSI 0 0 538 0 0 538 0 0 4	Discharge Side	T-4 Loz and Comments RAIN AT TIME RAIN FINE L COMMENTS	AST NIGHT
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Injection M EW-2 Z EW-3 Z Injection M Wells ft. IW-1 IW-2 IW-2 IW-3 IW-3 IW-4 Process Pumps INF 1 IM NF 2 IM NF 3 Z ASF 1 IM ASF 2 Z ASF 3 IM AC 2 IM IEC 1 Z AC 3 IM IMP IM LOWER IN AC #1 (PSI) IN AC #2 (PSI) IN	System 000000000000000000000000000000000000	IG7945 I7899D IST422 Signet Meter Flow Rate G7 G2 II2 79 Motor Amp Load	T-2 Signet Meter Total Volume 4678942 432 6470 439 1509 389 8450 389 8450 System Pres Suction Side PSI 0 0 513 0 513 0 0	T-3 Observations a HEAVY TEAMI Sure Gauges Discharge Side PSI SI SI SI SI SI SI SI SI SI SI SI SI	Am T-4 Los and Comments RAIN AT TIME RAIN FINE L COMMENTS SIAND-B	AST NIGHT
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IW-2 IW-3 IW-4 Process Pumps C INF 1 INF 2 NF 3 ASF 1 ASF 2 ASF 3 GAC 1 GAC 2 GAC 3 GAC 3 GAC 1 GAC 3 GAC 3 GAC 1 GAC 3 GAC 3 GAC 3 GAC 3 GAC 3 GAC 4 J 1 LOWER IN AC #1 (PSI) AC #2 (PSI)	172.3 163.6 156.7 System Operating Hours 753.78 7411.5 267.82 23.66 741.5 267.82 23.66 40.08	GZ LIZ 79 Motor Amp Load	4678942 4326470 4591509 3898450 System Pres Suction Side PSI D 0 513 0 513 0 0 513 0 0 513 0 0 513 0 0 513 0 0 0 513 0 0 0 513 0 0 0 513 0 0 513 0 0 0 513 0 0 0 515 0 9 51509 5450 5450 5450 5450 5450 5450 5450 5	TLAMI ssure Gauges Discharge Side PSI SI SI SI SI SI	COMMENTS	AST NIGHT
IW-3 IW-4 Process Pumps INF 1 INF 2 NF 3 ASF 1 ASF 1 ASF 2 ASF 3 GAC 1 GAC 2 ASF 3 GAC 1 GAC 3 SAC 1 GAC 3 GAC 3 GAC 3 GAC 4 UMP LOWER IN AC #1 (PSI) AC #2 (PSI)	163.5 156.7 System Operating Hours. 753.78 7411.5 257.82 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 24.15 25.78	Motor Amp Load	432 6470 459 1509 369 8450 Suction Side PSI 0 513 1 5 15 0 4	Sure Gauges Discharge Side PSI	COMMENTS	
Process Pumps C Pumps C INF 1 I NF 2 - - - NF 3 2 - - ASF 1 4 - - ASF 2 2 - - ASF 3 2 - - ASF 2 2 - - ASF 3 2 - - ASC 1 2 2 - ASC 2 2 - - J 3 - - - UMP - - - LOWER - - - AC #1 (PSI) - -	163.5 156.7 System Operating Hours. 753.78 7411.5 257.82 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 23.66 24.15 25.78	Motor Amp Load	459 1509 3 89 8450 System Pre: Suction Side PSI D C SVS 1 SB 0 4	Sure Gauges Discharge Side PSI	COMMENTS	
Process Pumps C Pumps C INF 1 InF 2 INF 1 InF 2 InF 3 InF 3 InF 3 ASF 1 InF 3 InF 3 InF 3 InF 3 InF 3 ASF 1 InF 3 InF 3 <t< td=""><td>System Operating Hours 75378 74115 26782 25782 2546 2546 2546 2546 2546 2546 2546 254</td><td>Motor Amp Load</td><td>System Pres Suction Side PSI D SIS SIS SIS SIS C 4</td><td>Sure Gauges Discharge Side PSI</td><td>COMMENTS</td><td></td></t<>	System Operating Hours 75378 74115 26782 25782 2546 2546 2546 2546 2546 2546 2546 254	Motor Amp Load	System Pres Suction Side PSI D SIS SIS SIS SIS C 4	Sure Gauges Discharge Side PSI	COMMENTS	
Pumps C INF 1 I INF 2 - NF 3 2 ASF 1 4 ASF 2 2 ASF 3 4 ASF 3 4 AAC 2 4 AAC 3 3 EC 1 2 AC 3 3 EC 2 2 AJ 1 4 AJ 2 4 AJ 3 - UMP - LOWER - IN AC #1 (PSI) AC #1 (PSI) -	System Operating Hours 75378 74115 26782 25782 2546 2546 2546 2546 2546 2546 2546 254	Motor Amp Load	System Pres Suction Side PSI O SV3 I SV SV SV SV SV SV SV SV SV SV SV SV SV	Sure Gauges Discharge Side PSI	COMMENTS STAND -35	
Pumps C INF 1 I INF 2 - NF 3 2 ASF 1 4 ASF 2 2 ASF 3 4 ASF 3 4 AAC 2 4 AAC 3 3 EC 1 2 AC 3 3 EC 2 2 AJ 1 4 AJ 2 4 AJ 3 - UMP - LOWER - IN AC #1 (PSI) AC #1 (PSI) -	Operating Hours 75378 74115 26782	Amp Load	Suction Side PSI O SPS I SB O 4	Discharge Side PSI	COMMENTS STAND -35	
Pumps C INF 1 I INF 2 I NF 3 2 ASF 1 4 ASF 2 2 ASF 3 4 ASF 2 4 ASF 3 4 ASF 2 4 ASF 3 4 ASC 2 4 ASAC 3 3 EC 1 2 AS 3 4 AS 4 4 AS 3 4 AS 3 4 AS 4 4 AS 4 4 AS 3 4 AS 4 4 AS 4 4 AS 4 4 AS 4 <td< td=""><td>Operating Hours 75378 74115 26782</td><td>Amp Load</td><td>Suction Side PSI O SPS I SB O 4</td><td>Discharge Side PSI</td><td>COMMENTS STAND -35</td><td></td></td<>	Operating Hours 75378 74115 26782	Amp Load	Suction Side PSI O SPS I SB O 4	Discharge Side PSI	COMMENTS STAND -35	
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NF 2 - NF 3 2 ASF 1 4 ASF 2 2 ASF 3 4 BAC 1 4 BAC 2 4 BAC 3 3 EC 1 2 VEC 2 2 NJ 1 4 NJ 2 4 NJ 3 - UMP - LOWER - NAC #1 (PSI) -	253 26 74115 267 82 267 87 23 66 499 89 31 07 566 8 566 8 189 80 4008		0 573 	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	STAND -13	
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NF 3 2 ASF 1 4 ASF 2 2 ASF 3 4 SAC 1 4 SAC 2 4 SAC 3 3 SEC 1 2 VEC 2 2 VI 1 4 VI 2 4 VI 3 4 LOWER 1 AC #1 (PSI) 1	267 82 23 66 409 89 31 07 566 8 56 80 189 80		58 	5 <u>13</u> 33 313		
ASF 1 4 ASF 2 2 ASF 3 4 SAC 1 4 SAC 1 4 SAC 2 4 SAC 3 3 EC 1 2 EC 2 2 UMP LOWER IN AC #1 (PSI) AC #2 (PSI)	23 66 209 89 3 07 566 8 169 80 4008		5B 0 4	<u>33</u> 313		
ASF 2 Z ASF 3 Z ASF 3 Z BAC 1 Z BAC 2 Z BAC 3 Z BEC 1 Z IEC 2 Z AU 1 L AU 3 L AU 4 L AU 5 L AU 7 L AU 8 L AU 9 L AU 9<	409 69 3 07 5 6 8 169 80 4008		<u> </u>	33 513 32		
ASF 3 4 GAC 1 4 GAC 2 4 GAC 2 4 GAC 3 3 EC 1 2 EC 2 2 UI 1 4 UI 2 4 UMP LOWER IN AC #1 (PSI) AC #2 (PSI)	3107 5468 18980 4008		<u> </u>	51 <u>3</u> 32 17	STAND -13	<u>M</u>
GAC 1 4 GAC 2 4 GAC 3 3 GAC 1 2 GAC 3 3 GAC 1 2 GAC 1 2 GAC 2 2 GAC 3 3 GAC 1 2 GAC 2 2 GAC 3 3 GAC 1 2 GAC 2 2 GAC 1 2 GAC 2 2 GAC 3 3 GAC 3 3 GAC 3 3 GAC 4 1 GAC 2 2 GAC 2 1 GAC 3 3 GAC 3 3 GAC 4 1 GAC 4 1	562 8		<u> </u>	32	SIAND -13	
GAC 2 GAC 3 GAC 3 GAC 3 SEC 1 2 SEC 2 C NJ 1 GAC 3 NJ 2 GAC 3 NJ 3 GAC 3 UMP GAC 3 LOWER IN AC #1 (PSI) GAC #2 (PSI)	4008			17		·····
SAC 3 SAC SEC 1 2) SEC 2 20 NJ 1 1 NJ 2 40 NJ 3 40 UMP 1 LOWER 1 AC #1 (PSI) 1 AC #2 (PSI) 1	40.08		······································			
LEC 1 2 VEC 2 2/ VJ 1 () VJ 2 4/ VJ 3 - UMP - LOWER - AC #1 (PSI) - AC #2 (PSI) -	40081		SB	SB		
LEC 1 21 LEC 2 2/ NJ 1 (J NJ 2 4/ NJ 3 - UMP - LOWER - AC #1 (PSI) - AC #2 (PSI) -			<u> </u>	<u> </u>	STAND - BI	·/
NJ 1 U NJ 2 4 0 NJ 3 - UMP - LOWER - AC #1 (PSI) - AC #2 (PSI) -	1938		OFE	OFF		· · ·
J.J.2 J.4 J.J.3 J.1 UMP J.1 LOWER J.1 AC #1 (PSI) J.1 AC #2 (PSI) J.1	5470		OTF			
NJ 2 4 (NJ 3 1 UMP 1 LOWER 1 AC #1 (PSI) 1 AC #2 (PSI) 1	62.69				·	
UMP LOWER AC #1 (PSI) AC #2 (PSI)	15550			5		
IOWER IN AC #1 (PSI) AC #2 (PSI)		───┼	-NIS		:	•
AC #1 (PSI) AC #2 (PSI)		╺╌╾╾┥╾╾╼┥╸	$-\frac{1}{2}$	NIS	NOT IN SER	MICE
AC #1 (PSI) AC #2 (PSI)						
AC #1 (PSI) AC #2 (PSI)						
AC #1 (PSI) AC #2 (PSI)	NLET	OUTLET		•	• • •	
AC #2 (PSI)	11	8			System Pro	be Lab Meter
	12	- 0			pH DAILY	WEEKLY
R DRIER (PSI)		A l		R	Reactor Tank 1 5,56	
(Reactor Tank 2 5.60	
Blower (H ₂ O") 4.	/ Istone				S. Feed 6.4D	
	550				LANT DISCHARGE - pH	
iter Temp (°F)	23-	550		q	LANT DISCHARGE - Temp.	
200 44 /11 000	<u> </u>	15°C		<u>.</u>		
C #2 /LL OID		0.00			•	•
	<u> </u>	<u>61</u>		S	AND FILTER DEPTH TO W	ATER (INCHES)
ditional				F		
ditional comments:						t 1 Measurement 2
				뉴	AM	If needed
					reat. Train 1 13 4 7	
					reat. Train 2: 13 1/2 "	
	*****					· · · · · · · · · · · · · · · · · · ·
			1		M = Not Measured	NIS = Not in service
~			·		L = Off Line	
1				SE	3 = Standby	
ervisors Signature-					S - Otanuoy	

Jan. 21, 2010 Rev. J ÷

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

OPERATOR: JJACKSON

DATE: 11-17-10

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LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) - HEAVY RAIN AT TIMES	
2)	
3) • THE DAILY OPERATORS L	og was completen
5) THE PLANT RAN FINE DURI	axy the Alight
7) - BEGANI WORKING ONITIME	Charging TRAINING
9) · WATER LEVELS AT MWBA	- WAS DONE - PID DONG
	3 WAS DONE - PID DONE

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) WATER LEVEL AT EW-1	AD COLLEGE & Dive VIAG
2) DONE .	Duege & DID WAD
3)	
4) · MIKE Flaheery CALED TO GI	VICTOC) ATERICA
5) D BP-3A: 1.7,03	LE DIE KINER LEVELS
6) (C) BP-38: 14.90	
7) (3) BP-3C: 65.05 (POMO REMIC)	E12
8)	
9)	
10)	· · · · · · · · · · · · · · · · · · ·
11)	

	EMS AND RECOMMENDED	ACTIONS	
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		· · · · · · · · · · · · · · · · · · ·	
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Fal 11-12-10

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March 3, 2008 Rev. B

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

DATE: 11-17-10

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

Chemical Feed Skids POLYMER	Pumps Valves Tanks COMMENTS (include areas of leaks)
CAUSTIC POTASSIUM PERMANGANATE HYDROCHLORIC ACID	IN SERVICE
Process Tanks EQUALIZATION TREATED WATER REACTORS CLARIFIERS SAND FILTERS CARBON VESSELS (liq)	Valves Tanks COMMENTS (include areas of leaks)
Process Systems INFLUENT SLUDGE SETTLER RECYCLE AIR STRIPPER FEED CARBON FEED INJECTION	Pumps Valves Tanks COMMENTS (include areas of leaks) Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks Image: state of leaks
Floor and General Work Areas SLIP, TRIP, & FALL HAZARDS SHARP EDGES PINCH POINTS OTHER HAZARDS	General Conditions and Comments
Air Compressor TANK AFTER COOLER AIR DRIER MOTOR & COMPRESSOR	General Conditions and Comments
Air Stripper COLUMN BLOWER & BELTS CARBON VESSELS	General Conditions and Comments
Notes and Comments:	
SIGNED: Futurel	//-/8-10 DATE:

August 22, 2007 ۰.

Rev.: C

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE EMPLOYEE SIGN IN SHEET

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			LINIT LOT EE SIGN IN SHEET		DATE: 11-11	01-11-1
NAME	SIGNATURE	Ñ	REASON	ОUT	REASON	
PETER E. TAKACH	K. Julea	515	60)	1545		
				•		
JAMES S. JACKSON	(Jaden)	NEAT		12.21	المسلح	
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RICHARD C. CRONCE		(
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Doc. No:: **CPS-Form-011** March 3, 2008 Rev.: C

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

Day: Thursday Date: 11-18-10

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

Total Gallons Processed for day:

Plant Operating Hours: 24:00 hrs.

Plant Total Downtime: 0:00 hrs.

581,601 gallons

Reason for Downtime:

No downtime to report

Significant Operational Problems:

Influent pump #3 remains out of service. Overload relay would not reset.

Corrective Maintenance Performed:

Rotated process pumps from 1&3 to 2&3

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

Inspections Performed and Results:

Site safety inspection was completed with no new issues to note.

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

Available Analytical Results: No new data is available.

Calibration Procedures Performed: No calibrations required

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

General plant O&M continues

James Jackson and Peter Takach were on-site.

Patrakach

Peter Takach, November 22, 2010

Attachments:

Plant Manager Signature:

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 OPE	RATING	LOG (Revise	d 1-21-10)	
Operator:).Jack	SON	Day: Thr	rusda	U Date: 11-	-18-10	Time: 0516
PLAN	T INFLUENT FLO				,		
TRAIN 1	TRAIN 2		_]		PLANT EFF	LUENT FLOW (C	GPM)
186	IRAIN 2	TOTAL		PUMP	SYPHO		(X 10,000) GALs
	186	372		391	0	261	
Extraction	Signet	TOTAL	EXTRACTED G	ALLONS (HM	- Flow Data)	1	
Wells	Flow Meter		(12:00 am	to 12:00 am)	· · · · · · · · · · · · · · · · · · ·	Motor	System
	Total Volume	T-1	T-2	T-3		Amp	Operating
EW-1	33365	164 860	<u> </u>	K		Load	Hours
EW-2	1273215	140930					64135
EW-3	250551	189500		\rightarrow			57911
		<u>- orou</u>				<u> </u>	62276
Injection	Water Level	Signet Meter	Ciamat Mark				
Wells	ft. AMSL (HMI)	Flow Rate	Signet Meter		and Comments		
IW-1	1(30.)		. Total Volume	DRUM	102NINC	NO RAI	N. MILD
IW-2	123.9		4692681				
IW-3		<u> </u>	4339898 4607548	Temp	0 48°=		
IW-4	163.8	112	4607548				
184-4	1565	79	3909798	PLANT	Tis PUL	INING T	
						MUNCA 1	
Process	System	Motor	System Pres	sure Gauges		·····	
Pumps	Operating	Amp	Suction Side	Discharge Sic			
·	Hours	Load	PSI				
INF 1	15351	NM		PSI	CON	MENTS	
INF 2	74138		2	<u> </u>			
INF 3	281 62		SR	2			
ASF 1	42384			_33_	STA	イロー シ	
ASF 2	499.09			<u></u>		<u>.</u>	
ASF 3	43130		<u>88</u>	SB	L STA	ND-BUI	
GAC 1	25691	╺╼╍╌┥╴╴╴╴┤	0 -	30			
GAC 2				6]		······
GAC 3	48980		36	53	STA	NID-M	
REC 1	34031		4	17		ALL POLL	
REC 2	21938		_074	OFF			
and the second se	20742		OFF	OFF.			
INJ 1	40292			27			
INJ 2	40251		3	27			
INJ 3	<u> </u>		NIS	NIS	110		·
SUMP					NOL	IN SERV	
BLOWER				·		<u> </u>	
	INLET	OUTLET		•		•	·····
GAC #1 (PSI))]	3				System Probe	
GAC #2 (PSI)	13	11			pH	DAILY	WEEKLY
AIR DRIER (PSI)	Λ	6			Reactor Tank 1	5.60	
					Reactor Tank 2	5-62	
AS Blower (H ₂ O")	4.6				AS. Feed	6.41	
Air Temp (°F)	55°c	55°c			PLANT DISCHAR	RGE - pH	
Water Temp (°F)	2012	14°C			PLANT DISCHAF	RGE - Temp.	
V-GAC #1 (H ₂ 0")	2.65	0.00				*	•
V-GAC #2 (H20")	191	01			·		
					SAND FILTER I	DEPTH TO WAT	ER (INCHES)
Additional comme	nts:					Measurement 1	Measurement 2
			1			AM	if needed
				I	Treat. Train 1	132/411	
1			l	[Treat. Train 2	13 1/1"	
			· · ·	•			
1					NM = Not Measu	ured	NIS = Not in service
					OL = Off Line	. –	
		· · ·			SB = Standby		•
Supervisors Signatur	<u> </u>				···,		
	r Ktut	ka V	Da	ite ti 🚗 -			•
		your _	• •	" [1-27	2-10		

Doc. No.: CPS-Form- 008

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

OPERATOR: JUACKSON

DATE: 11-18-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) . NICE MORNING , NUD RAIN	TEMO DARPE
2) .	
3) . the PLANT HAS PAN	EINE though out the
4) Nicht	
5)	· · · · ·
5. The Daily operators !	or has completed
7)	
B) · BEGAN OF GALIZING M	V MEDICAL HAZINDHER
9) AND CPR CERTICATES)
10)	
11) · DELTEKTINIE Charging	LLAS DONE .

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

IDENTIFIED PROBLEMS	AND RECOMMENDED ACTIONS	
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Doc No.: CPS-Form-007

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

DATE: 11-1 3-10 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. COMMENTS (include areas of leaks) Tanks Chemical Feed Skids Pumps Valves POLYMER Moi CAUSTIC ĨΛ POTASSIUM PERMANGANATE HYDROCHLORIC ACID SERVICE Tanks COMMENTS (include areas of leaks) Process Tanks Valves EQUALIZATION OV TREATED WATER (Y 1 J REACTORS v 131 1 CLARIFIERS Ż \checkmark 1DV SAND FILTERS V v CARBON VESSELS (lig) Ŵ Process Systems Pumps Valves Tanks COMMENTS (include areas of leaks) INFLUENT 43ELECTOIOL ISSUES 1 1 SLUDGE SETTLER DZ V RECYCLE Ϊ V CL AIR STRIPPER FEED 1 V Y N CARBON FEED v v \sim INJECTION V Floor and General Work Areas General Conditions and Comments SLIP, TRIP, & FALL HAZARDS NONE SHARP EDGES 11 PINCH POINTS 11 OTHER HAZARDS 11 Air Compressor General Conditions and Comments TANK AFTER COOLER OTFAIR DRIER LINE MOTOR & COMPRESSOR Air Stripper General Conditions and Comments COLUMN ÔK **BLOWER & BELTS** CARBON VESSELS Notes and Comments: DATE: 11-22-10 SIGNED:

Doc. No.: CPS-Form-009

August 22, 2007 Rev.: C

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С Л	

CLAREMONT POLYCHEMICAL SUPERFUND SITE EMPLOYEE SIGN IN SHEET

Thru. DATE: 11-1 6-10

NAME	SIGNATURE	Z	REASON	OUT	REASON
PETER E. TAKACH	Y. Weel	726	202	1150	1
			x		
JAMES S. JACKSON	((lackson)	0510	Scio	1327	Homt
-					
					-
RICHARD C. CRONCE					
		11-7			
					-
			•		

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

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

Day: Friday **Date**: 11-19-10

Weather Forecast (am):

Fri: Sunny and cool. Temps are expected to reach 39-47-39^oF. Winds will be 12-16 mph from west. RH is 49-60 with no precipitation expected.

Sat: Sunny, 40-55-35°F, wind 17>8 mph from West, 65% RH, no precipitation expected. Sun: Mostly sunny, 38-45-41°F, wind 9>2 mph from E-SSE, 60% RH, no precipitation expected.

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

Plant Operating Hours: 72:00 hrs.

Plant Total Downtime: 0:00 hrs.

Reason for Downtime:

No downtime to report

Significant Operational Problems:

Influent Pump #3 remains out of service

Corrective Maintenance Performed:

Removed carbon from floor drain sump

Verbal/Written Instruction from Government Personnel:

No new communications

Inspections Performed and Results:

Daily site safety inspection completed with no new issues.

Record of any tests performed, samples taken, and personnel involved:

No samples taken or tests performed.

Available Analytical Results: No new data was available.

Calibration Procedures Performed:

No calibrations required

General Remarks:

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

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

James Jackson was on site. Peter Takach was out

Putit Whach Peter Takach, November 22, 2010 <

Plant Manager Signature:

Attachments:

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

CC:

SAIC Program Manager USACE Project Manager File

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

Operator:	1 1	in al	•				
Operator:	J.JACK	<u>sov</u>	Day: F-21	DAY	Date: 11-10	1-10	Time: 053
PLAN	T INFLUENT FLC	DW (GPM)	7	j			
TRAIN 1	TRAIN 2	TOTAL	-1	PUMP	PLANT EFFLUE	NT FLOW (GP	
131	2 186	372	-	341	SYPHON		10,000) GALs
				<u> </u>	<u>Q</u>	26	39
Extraction	1 orâner	TOTAL	EXTRACTED C	ALLONS (HMI -	Flow Data)		
Wells	Flow Meter		(12:00 am	to 12:00 am)	non Data)	Motor	System
	Total Volume	T-1	T-2	T-3	T-4	Amp Load	Operating
EW-1	333818 273548	167050				LUau	Hours 64152
EW-2 EW-3	415548	183310					57928
1211-5	250743	LGIGID					1.2292
Injection	Water Level	Signal Mark					
Wells	ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter	Observations a	ind Comments		
IW-1	163.1		Total Volume		430		
IW-2	124.6	45	4706831	4353664	0		
IW-3	163.8	112	435 6664	PLANI	IS RUND	LING FI	NE
IW-4	1565	79	4624055	4			
			3921473				
Process	System	34.4	0				ومعادلان بردانية بوانيتها ورجانتها
Pumps ·	Operating	Motor	System Pres	ssure Gauges			I
	Hours	Amp Load	Suction Side	Discharge Side			1
INF 1	15375	-NM	PSI	PSI -	COMME	NTS	. [
INF 2	24162		<u> </u>	6			
INF 3	28782		58			· · · · · · · · · · · · · · · · · · ·	
ASF 1	42.39.4		<u>5</u> R	53	STAN	シータイ	
ASF 2	49928			50	- STAN	10-130	
ASF 3	43154		<u> </u>				
GAC 1	45646		55	38	<u> </u>		
GAC 2 GAC 3	48999				STAM	7-131	
and the second se	34055		4				
REC 1 REC 2	21938		OFF	OTA	1		
NJ 1	207 42		OH-	OTT			
NJ 2	40274		7	27			
NJ 3	<u>- 407.14</u>		6	27		·	·
UMP			_NUS	NIS	ADI	N SERV	
LOWER					and the second		
		<u>v</u>				la	
1	INLET	OUTLET		•	ť		
AC #1 (PSI)	1)	S S			S	ystem Probe	Lab Meter
AC #2 (PSI)	13				рН	DAILY	WEEKLY
R DRIER (PSI)	01	M			eactor Tank 1	560 N	
					eactor Tank 2	5.6	
Blower (H ₂ O")	4.8				S. Feed	6.39	
Temp (^d F)	55°	5 <u>5</u> 0		19	LANT DISCHARGE	- pH	
ater Temp (°F)	all the second	13°C			ANT DISCHARGE	- Temp.	
GAC #2 (H ₂ 0")	2.65	0.00		•			· . · ·
		O_{\perp}		S	AND FILTER DEP	TH TO WATER	
ditional comme	nte:				IMe	asurement 1 Me	asurement 2
						AM	If needed
				T	eat. Train 1 13	34 "	
			· • •	TΓ	eat. Train 2 ⁻	3//11	
			i		•		```````````````````````````````
			-	NA	# = Not Measured	NB	S = Not in service
e**					= Off Line		
		1		SB	= Standby		
ervisors Signatur	0:1	(k = 0)	Da	te Llion d	,		. :
		whan ~	Da	te 11-22-1	. v	:	
		•					
N							
No.: CPS-Form-	008						Jan. 21, 2010

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

OPERATOR: J.JACKSON

DATE: 1-19-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) · A DRY NORNING - TEMP	AROF
2)	
3) . THE OPERATOR LOG W.	S ECOMPLETED
5) - 5LUGNOGE PUMP WAS TEST	ED - RUNS FINE
7 . PLANT SUMP IS REING	AEATED
8)	
9) · VALGEIE CALLED TO DRU	D DEE KEN & MSTALL
10) PUMP O BP 35 - WILLE	

.

	LIS	TING OF	MAINTENAN	CE AC	FIVITIES	•		EQUIPME	NT/MATERIA	_s used
1)	· JA/AS	NOT	ABLE	TO	Pipmp		2_1	CARBON	FROM	SUMD
2)										
3)				•	•					
4)						• `				
5)						• •		•		
6)							•			
7)	. <u></u>	•					\$	· · · · · · · · · · · · · · · · · · ·		
8)									,	
9)				•	•				<u> </u>	
10)							· .	· · · · · · · · · · · · · · · · · · ·		
11)					•			4		·····

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	IDENTIFIED	PROBLEMS AND	RECOMMENDED ACTIONS	
1)	•			
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	······································		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
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11-22-10 that

DAILY SITE SAFETY INSPECTION

CLAREMONT POLYCHEMICAL SUPERFUND SITE (Revised 082207)

DATE: 11-19-10

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

		Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
	I Feed Skids POLYMER				NAT
	CAUSTIC				
	POTASSIUM PERMANGANATE	1			IN IN
	HYDROCHLORIC ACID				SEQUICE
Process	Tanks		Valves	Tanks	COMMENTS (include areas of leaks)
	EQUALIZATION				I DK
	TREATED WATER			1	l OK
	REACTORS	Salange an a star and sala			OV.
	CLARIFIERS				OK
	SAND FILTERS				DC
	CARBON VESSELS (liq)				OF
Process	Systems	Dunna	Mahaa		
100635		Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
		-			
	SLUDGE SETTLER RECYCLE	<u> </u>	<u> </u>	r -	OK
	AIR STRIPPER FEED	- V	<u> r</u>	<u> </u>	OK.
		····· /	<u> </u>	<u> </u>	<u>67</u>
	CARBON FEED	<u> </u>		V	OK
	INJECTION		1		
•.	SHARP EDGES PINCH POINTS OTHER HAZARDS			<u>.</u>	
ir Comp	ressor TANK AFTER COOLER	General C		nd Commen 155 TZ	
ir Comp	TANK AFTER COOLER AIR DRIER	General C OlC OlC			
Air Comp	TANK AFTER COOLER AIR DRIER MOTOR & COMPRESSOR	K K K K	- <u>IN</u> L	ise tr	DUNY ADOUT 3 hrs
sir Comp	TANK AFTER COOLER AIR DRIER MOTOR & COMPRESSOR	General C OVC OVC OVC OVC General C OVC	- <u>IN</u> L	ise tr	DUNY ADOUT 3 hrs
ir Stripp	TANK AFTER COOLER AIR DRIER MOTOR & COMPRESSOR er COLUMN BLOWER & BELTS CARBON VESSELS	General C	- <u>IN</u> L	ise tr	DUNY ADOUT 3 hrs
ir Stripp	TANK AFTER COOLER AIR DRIER MOTOR & COMPRESSOR er COLUMN BLOWER & BELTS	General C	- <u>IN</u> L	ise tr	DUNY ADOUT 3 hrs
ir Stripp	TANK AFTER COOLER AIR DRIER MOTOR & COMPRESSOR er COLUMN BLOWER & BELTS CARBON VESSELS	General C	- <u>IN</u> L	ise tr	DUNY ADOUT 3 hrs
ir Stripp	TANK AFTER COOLER AIR DRIER MOTOR & COMPRESSOR er COLUMN BLOWER & BELTS CARBON VESSELS	General C	- <u>IN</u> L	ise tr	DUNY ADOUT 3 hrs
ir Stripp	TANK AFTER COOLER AIR DRIER MOTOR & COMPRESSOR er COLUMN BLOWER & BELTS CARBON VESSELS	General C	- <u>IN</u> L	ise tr	DUNY ADOUT 3 hrs
ir Stripp	TANK AFTER COOLER AIR DRIER MOTOR & COMPRESSOR er COLUMN BLOWER & BELTS CARBON VESSELS	General C	- <u>IN</u> L	ise tr	DUNY ADOUT 3 hrs
r Stripp	TANK AFTER COOLER AIR DRIER MOTOR & COMPRESSOR er COLUMN BLOWER & BELTS CARBON VESSELS	General C	- <u>IN</u> L		DUNY About 3 hrs

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Rev.: C

SAIC

CLAREMONT POLYCHEMICAL SUPERFUND SITE EMPLOYEE SIGN IN SHEET

DATE: 11 - 19-1 **E**R)

PETERE TAKACH JAMES S. JACKSON JAMES S. JACKSON RICHARD C. CRONCE RICHARD C. CRONCE	NAME	SIGNATURE	Z	REASON	OUT	REASON	
	ETER E. TAKACH						
	I						<u> </u>
	AMES S. JACKSON	Norkers	D522		1220		
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	L						ļ. 1
							·
	RICHARD C. CRONCE						
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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: 11-22-10

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

Total Volume Processed for Day:

Plant Operating Hours: 19:20 hrs.

462,893 gailons

Total Downtime: 4:40 hrs.

Reason for Downtime:

CA vessel #2 was backwashed through 4 cycles

Significant Operational Problems:

Influent pump #3 remains inoperable

Corrective Maintenance Performed:

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

Verbal/Written Instruction from Government Personnel:

No new instructions received

Inspections Performed and Results:

Conducted site safety inspection, no new issues found.

Record of any tests performed, samples taken, and personnel involved:

The pH and temperature readings were taken from plant discharge stream Plant air monitoring task was completed

Available Analytical Results:

No new data received

Calibration Procedures Performed:

The lab pH meter was calibrated and logged in. PID meter was calibrated and logged in The process pH meters were calibrated

General Remarks:

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

End of the month documentation is underway

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

Putil whach

Plant Manager Signature:

Peter Takach, November 23, 2010

Attachments:

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

cc: SAIC Program Manager USACE Project Manager File

			Table 8-2 -	DAILY OP	ERATING	LOG (Revi:	sed 1-21-10)		
	Operator:	JJACK	SON	Day: ML()	NDAU		-22-1	D Time: (1531
	PLAN TRAIN 1 1 E-Lo	TRAIN 2	OW (GPM) TOTAL]	PUMP 392	_		V (GPM) ER (X 10,000) GA	
•	Extraction	Signet	TOTAL	EXTRACTED				6307	
	Wells	Flow Meter		EXTRACTED G (12:00 and	to 12:00 am)	- Flow Data)	Mot		
	EW-1	Total Volume	T-1 162990	T-2	T-3	T-4	Am Loa		
	EW-2	1274130	102-190	185120	162.670	1670	SON	6420	001
•	EW-3	251 305	157500	19360	161270	1633		579	76
	Injection Wells	Water Level ft. AMSL (HMI)	Signet Meter Flow Rate	Signet Meter	Observations a	and Comment	S,	6C32	
	IW-1 IW-2	163.1	98	Total Volume	Light is	CAIN AT	TINIES T	Emp J 4	3°£
	IW-3	125.6	<u> </u>	4393543		RAN		VER the	
	IW-4	167.1	114	4672453 3455539				VER THE	
	Process				LIEEL	END.			<u>·</u>
	Pumps	System Operating	Motor	System Pres	sure Gauges]			
		Hours	Amp Load	Suction Side PSI	Discharge Side				
	INF 1 INF 2	75445	NM	6	PSI	COL	MMENTS		
	INF 3	74232	53-	1	٤				{
	ASF 1 ASF 2	42394		SB SA	<u>SA</u>	50	A112-AL	1	
	ASF 3	43224		2	30	<u>st</u>	ANID-BL		
	GAC 1	46696	┉╾┼╍╌╌┼╸	33	31				
	GAC 2 GAC 3	14069		<u> </u>	53	ST	and -BU		
	REC 1	34 25		4	18				_]
•	REC 2 INJ 1	20742					· · · · · · · · · · · · · · · · · · ·		
	INJ 2	40366		6	27-				
	INJ 3		╾┾╾╾┼╴	C.	27				
	SUMP BLOWER				<u>-2112 </u>	NOT I	IN SEQU	ilico	
1									-
ŀ		INLET	OUTLET				4 ¹		1
	GAC #1 (PSI) GAC #2 (PSI)	13	5			pН	System Prot]
	AIR DRIER (PSI)		6		R	eactor Tank 1	DAILY 560	WEEKLY	_
k	S Blower (H ₂ O")					eactor Tank 2 6. Feed	548	618139	
Ľ	Air Temp (°F)	550	550		PL	ANT DISCHAR	L 6 39 RGE - PH	635/132	4
. Iv	Vater Temp (°F)	the second	1300		PL	ANT DISCHAF	RGE - Temp.	13°0	
Þ	-GAC #2 (H20")	$\frac{265}{2}$	200		·		· · ·	· .	
	dditional				<u>S</u> /	ND FILTER I	DEPTH TO WA	TER (INCHES)	1
Ľ	dditional comment GAC ₩ 1 V		Vilash a				Measurement AM	1 Measurement 2]
					Tr	at. Train 1 🐇	13741	If needed	
	TIMES -	SLudge F	ROM SUR	nd be	110	at. Train 2 [.]	13:41		
L	NY PUMP	DED TO F	ITER Pr.	روح	OL	l = Not Measu = Off Line	red	NIS = Not in ser	vice
Su	pervisors Signature	PA	La C	Date		= Standby			
			with	 ```	' ((-23	-10			
<u>.</u>	M								

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

OPERATOR: JELAELKSON

DATE: 11-22-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) · LIGHT RAINTHIS MORNING A	TIMES TENIOW
2)	
3) . The WEEKLY The TEMPS.	WERE COMPLETED
4)	
5) . THE WEEK AIR MONITOR	NG WAS DONE - PUD
6) WAS CALIBRATED.	j
7)	· ·
8) - THE DAILY OPERATOR LOG	X WAS DONE
9)	
10) · PART Shut DOWIN 07	0715 - DEGAN Shutting
11) BERTAIN VALVES	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) · 0750 - DEGANI PLUTTING ALES	12 CACHI - high PRESSURED
2) FIRST.	
3) · OEZO - FINISH THE ELEST A	ACK WAS DEACHI
4) <u>*</u>	
5) . THE SECOND RACKWASH W	AS JONE
6)	
2. The third RACK WASH W	AS DONE
8)	· · · · · · · · · · · · · · · · · · ·
9) - H4 BACKWASH FOMPLET	ED - BEGAN DUITONG DANT
10) ONILINE.	
11) .	· · · · · · · · · · · · · · · · · · ·

· · · · · · · · · · · · · · · · · · ·	IDENTIFIE	ED PROBLEMS AND RECOM		CTIONS	· · · · · · · · · · · · · · · · · · ·
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Pats	ichal	11-23-10			

11-23-10

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

DATE: 11-22-10

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

Chemical Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
POLYMER		T	1	NO
CAUSTIC			1	
		+)N
POTASSIUM PERMANGANATE				SERVICE
HYDROCHLORIC ACID		J	.I	
Process Tanks	-	Valves	Tanks	COMMENTS (include areas of leaks)
EQUALIZATION			V	OK
TREATED WATER				OK
REACTORS		· ·		
CLARIFIERS		/	V	OV.
SAND FILTERS	المراجعين المراجعين والمراجع المراجع ال مراجع المراجع ال مراجع المراجع ا		1.1	
CARBON VESSELS (lig)				OV
	and a second	<u> </u>	<u> 4</u>	
Process Systems	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
INFLUENT	-			DOWN- BACKWASH
SLUDGE SETTLER			V	
RECYCLE		-	V	DEE
AIR STRIPPER FEED				DOWN-BACKWASD
CARBON FEED	······	<u> </u>		NOWINI - BACKWASH
INJECTION				DOWN - BACKWASH
1.0101.011		<u> </u>	Berner and State of State	DUNIN- DILEWAS
Floor and General Work Areas	General C	onditions ar	nd Commer	nts
SLIP, TRIP, & FALL HAZARDS	NON	E .	•	
SHARP EDGES	L) LJ		, and the second s	
PINCH POINTS	1.1	!,		•
OTHER HAZARDS	11	·····		1
Air Compressor	Conomi O	- ditte		
TANK			nd Commer	
	DK -	ON F	UR BI	ACKWASH
AFTER COOLER	LOK	•	• •	·····
AIR DRIER	[]			4r *
MOTOR & COMPRESSOR	La_			
Air Stripper	General Co	anditions or	d Common	
COLUMN			u commen	
BLOWER & BELTS		<u> </u>		
CARBON VESSELS				
CARBON VESSELS				
lotes and Comments:		:	•	- -
BACK WASHING Q	AF #1	())))		
She wind ind e				ALAC WILLISE
	N Othe	RIII	ME .	
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(LEANED AT A				
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CLEANED AT A	- -			11-22-112
	······			DATE: 11-23-10
CLEANED AT A				DATE: 11-23-10
CLEANED AT A				DATE: 11-23-10 August 22, 20

AIR MONITORING LOG CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sample	I JUALICSON		Date	11-22-10
Calibrati	ion Standard(s) <u>I NO F</u> Post-cal Readings <u>Ci Z. L</u>	PPM 1 TEOLOU PPM 1 100.0		
Locatio	<u>n</u>	Reading (ppm)]	
CONTR	OL ROOM	 	1	
	Laboratory	$\mathcal{D}_{\cdot}(\mathcal{D})$	1	
1	Bathroom	0.0	1	
 	Office	0.0	1	
PLANT			1	
	Influent Area	0.0	1	
	Sludge Storage Area	0.0		
	Sand Filter Area	0.0	1	
	Air Compressor Area	O.D	Ì	
	Sludge Press Area	0.0	1	
EXTERIO	OR	·		
	Storage Tanks	0.0	[
	Upper (South West) Lot	0.0		
	Lower (South East) Lot	6.0		
	Air Stripper Area	0.0		
	Back (North)	0.D		
GAC VES	SSELS			
	#1 Influent	0.0		
	#1 Effluent	0.0		
	#2 Influent	N		
	#2 Effluent	$\left \begin{array}{c} 0 \end{array} \right $		

Comments: PLD WAS CALIBRATED, AIR MUDNITORIARY DONE NOT A AIR TSSUE INSIDE OR OUTSIDE DIANT

March 3, 2008 Rev. B

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CLAREMONT POLYCHEMICAL SUPERFUND SITE EMPLOYEE SIGN IN SHEET

NION	01-22-11
	DATE:

NAME	SIGNATURE	Z	REASON	OUT	REASON	Γ
					NOOCHE	` ٦
PETER E. TAKACH	Pillel	135	SOS			`
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						<u> </u>
JAMES S. JACKSON	Lible laun	<u>0526</u>	Sto	1350		
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RICHARD C. CRONCE			•			
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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: Tuesday Date: 11-23-10

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

Total Volume Processed for Day:

561,169gallons

Plant Operating Hours: 24:00 hrs.

Total Downtime: 00:00 hrs.

Reason for Downtime:

No downtime to report

Significant Operational Problems:

Influent Pump #3 remains off line

Corrective Maintenance Performed:

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

Verbal/Written Instruction from Government Personnel:

USACE requested info on form of 'as-built drawings' for submittal

Inspections Performed and Results:

Site safety inspection was completed. There is nothing new to report.

Record of any tests performed, samples taken, and personnel involved:

No tests performed or samples taken

Available Analytical Results:

No new data is available.

Calibration Procedures Performed:

No calibrations required.

General Remarks:

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

End of the month documentation has started.

General O&M activities continue.

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

Putil whach

Plant Manager Signature:

Peter Takach, November 24, 2010

Attachments:

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

CC:

SAIC Program Manager USACE Project Manager File

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

		-	•	•			
Operator:	JJACK	SON	Day: TUES	day	Data 11-2	2.11	~ (
·				<u>servej</u>	Date: 11-2	-2-10	Time; OS
	INFLUENT FLC]		PLANT EFFLU		
TRAIN 1	TRAIN 2	TOTAL		PUMP	SYPHON	METED	(X 10,000) GALs
L 100	166	372	J	367		21	353
Extraction	Signet				· · · · ·	<u> </u>	and the second second
Wells	Flow Meter	TOTAL	EXTRACTED G	ALLONS (HMI	- Flow Data)	Motor	System
	Total Volume	T-1	(12:00 am	to 12:00 am)		Amp	Operating
EW-1	334436	132440	T-2	T-3		Load	Hours
EW-2	274278	146700					64213
EW-3	251458	153140					57989
						L	<u> </u>
Injection	Water Level	Signet Meter	Signet Meter	Observations	and Comments		
Wells	ft. AMSL (HMI)	Flow Rate	_ Total Volume	PLANU	RAN FIN		
W-1 · .	1127	<u> </u>	4759416			E LAST	-Prcht-
W-3	1239	43	4404848		-		
IW-4	153,2	<u> </u>	4685472				
	<u>105,C</u>	٤١	3965216				
Process	System						
Pumps	Operating	Motor	System Pres	sure Gauges	_		
	Hours	Amp Load	Suction Side	Discharge Side			
NF 1	75AG	Load	PSI	PSi	COMME	ENTS	
NF 2	74251			<u></u>	· · · · · · · · · · · · · · · · · · ·		
VF 3	2 67 82		ers				
SF 1	42344		SB	SA	STAN	2-631	
SF 2 SF 3	50017			30	STON	m-21	
AC 1	43243		0	33	<u> </u>		<u> </u>
AC 2	490 85		26	SB	STANI	-AU	
AC 3	490 88			. 15		<u> </u>	<u> </u>
EC 1	21939		-4	16	• ,		
EC 2	20743			OH-			
J 1	66466			<u>9</u> E			
J2	403(A)		- 2	$\frac{-2}{27}$			
J3			NIS 1	NIS	2167.14	,	
JMP OWER					NOT I	VI SERVIC	<u>ce</u>
OWER				•	<u>`````</u>		
	14.11			-	*	•	
C #1 (PSI)	INLET	OUTLET		1	1.5	System Probe	Lab Meter
C #2 (PSI)	-10-1-	- 64			рН	DAILY	WEEKLY
R DRIER (PSI)	$\overline{\mathcal{N}}^{\prime}$	Q			Reactor Tank 1	S.L.O	
					Reactor Tank 2	524	
Blower (H ₂ O")	4.6				AS. Feed	640	
Temp (°F)	550	550		l.	PLANT DISCHARGE	- pH	
er Temp (°F)				Ľ	DANT DISCHARGE	<u>;- (emp.</u>	
AC #2 (H ₂ 0")	665	000		•			
	\underline{C}	<u></u>		<u>ا</u>	SAND FILTER DÊ	PTH TO WAT	ER (INCHES)
litional comment	ts.			ſ			Measurement 2
				Ļ	· ·	AM	If needed
						33417	
			1	Ľ	reat. Train 2	32"	
				N	iM = Not Measured)L = Off Line	d	NIS = Not in serv
c		~			B = Standby		
ç ervisors Signature;			Dai	S	B = Standby		

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Doc. No.: CPS-Form- 008

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

OPERATOR: JJACKSON

DATE: 11-23-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) . THE PLACE RAN FINE OVERN	light
2)	
3) . THE DOILY CIDERATOR LOCA	Was DONE
4)	
5) · FILTER PRESS WAS CLE	ANED - EO% FULL
6)	
7) · Problem With MI-2 PUMP	- CLOQGED With Caebon
8)	
9) · MI-2. PUMP is WORKING	\sqrt{e}
10)	·
11) · SUND DUMD PULLED FO	SUMD

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) · EXTENTIONS MADE FOR D	UNID FO ELIVATE PIDMO
2) OFF FLOOR -TO AVOID C	REDON BUILD -UP, Which
	UMD .
4)	
5)	
6)	
7)	
8)	
9)	
10)	•
11) .	

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Putilichal 11-24-10

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

DATE: 11-23-10

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

Chemical Feed Skids POLYMER	Pumps	Valves	Tanks	COMMENTS (include areas of leaks)
CAUSTIC POTASSIUM PERMANGANATE HYDROCHLORIC ACID				IN SEEVILE
Process Tanks		Valves	Tanks	COMMENTS (Include areas of leaks)
EQUALIZATION TREATED WATER				
REACTORS	Berlin alter von der verset inn Berlin			OK.

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CLARIFIERS SAND FILTERS CARBON VESSELS (lig)

INFLUENT

RECYCLE

SLUDGE SETTLER

CARBON FEED

INJECTION

AIR STRIPPER FEED

Process Systems

COMMENTS (include areas of leaks) Pumps Valves Tanks Ħ ζ UDS TSSUFS C3 1 \Box 2 V av ~ V 1/ 1

Floor and General Work Areas SLIP, TRIP, & FALL HAZARDS SHARP EDGES PINCH POINTS OTHER HAZARDS

Air Compressor

TANK AFTER COOLER AIR DRIER MOTOR & COMPRESSOR

Air Stripper

COLUMN **BLOWER & BELTS** CARBON VESSELS

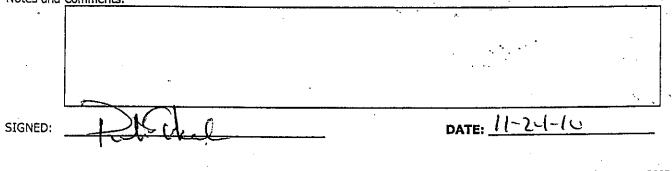
General Conditi	ons and Co	mments		
NICNE				
21	- ~ ~	•		
5				

General Conditions and Comments

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X	Press		
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General Conditions and Comments

Notes and Comments:



August 22, 2007

Rev.: C

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CLAREMONT POLYCHEMICAL SUPERFUND SITE EMPLOYEE SIGN IN SHEET

TUE

うてつ		MPLOYEE (EMPLOYEE SIGN IN SHEET		DATE: 11-23-10	-2.3-10
NAME	SIGNATURE	Z	REASON	OUT	REASON	
				,		
PETER E. TAKACH	4.124		রেয়	<u>(</u>)		
				-		
JAMES S. JACKSON				0		
-	A STATE	020	HIGH	0251	HUME	
ť					•••	. •
KICHARD C. CRONCE			•			
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Doc. No.: CPS-Form-011 March 3, 2008 Rev.: C

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

Day: Wednesday Date: 11-24-10

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

Total Volume Processed for period (11/24-11/29):

2,821,581 gallons

Plant Operating Hours: 120:00 hrs.

Total Downtime: 0:00 hrs.

Reason for Downtime: No downtime to report

Significant Operational Problems:

Influent pump remains off

Corrective Maintenance Performed:

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

Verbal/Written Instruction from Government Personnel:

No new instructions received

Inspections Performed and Results:

Conducted site safety inspection, there were no new safety or equipment issues. Completed comprehensive site safety inspections

Record of any tests performed, samples taken, and personnel involved:

Completed plant sound level monitoring Recorded process motor amp draws

Available Analytical Results:

No new results available.

Calibration Procedures Performed:

Sound Level meter was calibrated

General Remarks:

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

The plant will operate unmanned for the Thanksgiving holiday weekend.

End of the month documentation continues.

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

Putit whach

Peter Takach, November 29, 2010

Attachments:

Plant Manager Signature:

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

			-1	DNESday		、 、	Time:
PLANT	INFLUENT FLC		_]			JENT FLOW (GR	PM)
TRAIN 1	TRAIN 2	TOTAL		PUMP	SYPHON		X 10,000) GAL
180	166	372		390		264	
Extraction	Signet	TOTAL	EXTRACTED OF			-	· · · · · · · · · · · · · · · · · · ·
Wells	Flow Meter		EXTRACTED G	ALLONS (HMI	- Flow Data)	Motor	System
44902				to 12:00 am)		Amp	Operating
	Total Volume	<u> </u>		T-3	T-4	Load	Hours
N-1	334598						6422
V-2	274 457	179130					5800
V-3	251646	187050					1-237
Injection	Water Level	Signet Meter	Signal Matan			•	
Wells	ft. AMSL (HMI)	_ Flow Rate	Signet Meter		and Comments		,
-1		. Flow Rate	Total Volume	PLANI	KAN FI	NE DURI	NO THE
	1629	96.	4772841	· ·	·		
-2	125.8	92	14417959	Night	•		
-3	163.5	112	A7D1191				
-4	1534	- 63	3976765	1			
Breese							
Process Pumps	System	Motor		sure Gauges			•
, amha	Operating	Amp	Suction Side	Discharge Side	e		
4	Hours	Load	PSi	PSI	СОМ	MENTS	
1	75487	NIKL.	2	1.			
2	74274	1	3	<u> </u>			
3	267 62		58		(112 D.L. (·
1	42394		512	50		-10-12/1	
2	50040			513 30		NID-BU	
3	432 de			<u></u>			
21	45696			32			
22			<u>SB</u>	LSB	STA	ND-BI	· · · · · · · · · · · · · · · · · · ·
3	a áni			1.15.	1		
	34167		4 1	1.16	1		
1	21940		OFF				
2	20743		OFF				
1	66429		6	21			
2	40367		<u> </u>	<u> </u>	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
3				21			
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WER							
				•	•	· · · ·	
#1 (DOD	INLET	OUTLET		•		System Probe	Lab Meter
#1 (PSI)	10	- 77			нq	DAILY	WEEKLY
#2 (PSI)	10				Reactor Tank 1	562	VVEENLI
RIER (PSI)	OL T	<u> </u>			Reactor Tank 2	500	<u> </u>
					AS. Feed	And the second se	<u> </u>
wer (H ₂ O")	4.8			1		64	
mp (°F)	550	550			PLANT DISCHAR		
Temp (°F)	ten se sei	<u> </u>		; L	PLANT DISCHAR	st - Temp.	
C #1 (H20")	2.65	0.00			-		
#2 (H ₂ 0")	OL	GL		i n		ÈPTH TO WATE	
onal commen				j F		Measurement 1	
unai commen	us:	100 × 1			ŀ	AM	If needed
					Freat. Train 1	13-2011	
	-				reat. Train 2	13/4"	
			······	- -			······
				1 N	M = Not Measu	en di	MIC - Not in an
			1				NIS = Not in se
					DL = Off Line		Not in se

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

Jan. 21, 2010

Extraction	Signet	TOTAL	EXTRACTOR			· · ·	· .
Wells		IUIAL	EXTRACTED G	ALLONS (HMI-	· Flow Data)	Motor	Syste
vvens	Flow Meter			to 12:00 am)		Amp	Operat
	Total Volume	T-1	T-2	T-3	T-4	Load	Hour
EW-1	\wedge				-k		
EW-2			+	<u> </u>		14.7	
EW-3	<u>├───</u>					10.9	
	<u> </u>					10.8	
Injection	Water Level	Signat Mature		100		<u></u>	
Wells		Signet Meter	Signet Meter	Observations a	and Comments		
	ft. AMSL (HMI)	. Flow Rate	. Total Volume	MOTOP			
W-1		<u> </u>		• •			
N-2				1	Amps		
N-3				<u> </u>	200-2		
N-4			<u>+≻</u>		A	4 . 1 .	
				<u></u>	0	NLN	
Process							
	System	Motor	System Pres	sure Gauges			
Pumps	Operating	Amp	Suction Side	Discharge Side	1		
	Hours	Load	PSI	PSI	1		
IF 1		1.4				MENTS	
IF 2		1.4	<u> </u>	<u> i</u>	<u> </u>		
IF 3			<u> </u>		1		
SF 1		NIS					
		7,8			· · · · · · · · · · · · · · · · · · ·		
SF 2		4.9		<u> </u>	·		
SF 3		4.9		<u> </u>			
AC 1		1.9			[
AC 2	· · · · · · · · · · · · · · · · · · ·		(<u>`</u>			
AC 3		2.6			· ·		
C 1		2.2					· · · · ·
		1.5		3			
C 2		1.8	······			<u> </u>	
11		5.0					
12		69					
13					-	N N	
MP		NIS					
OWER		0.7					
JWER	l	3.2				•	
				-			
	INLET	OUTLET		· · · · · · · · · · · · · · · · · · ·			
C #1 (PSI)				l l		System Probe	Lab Meter
2 #2 (PSI)	\neg				pH	DAILY	WEEKLY
DRIER (PSI)				E.	Reactor Tank 1		
					Reactor Tank 2		1
lower (H ₂ O")		The subscription of the subscription of the subscription of	•	· · · · · · · · · · · · · · · · · · ·	S. Feed		
emp (°F)		ateria Parte in the second			LANT DISCHAR	GE - DH	<u> </u>
and the second se	<u> </u>				LANT DISCHAR	<u>сь - рл</u>	
er Temp (°F)	Remain States			<u>Ľ</u>		or - temp.	
AC #1 (H ₂ 0")						.*	
AC #2 (H ₂ 0")				15	AND CUTOE	<u> </u>	
				2	MID FILLER D	ÊPTH TO WAT	ER (INCHES)
tional commen	ts:	·		·]	Į	Measurement 1	Measurement
				L	{	AM	If needed
	· · · · ·			Г	reat. Train 1		
			i		reat. Train 2		
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				L I	M - Not H		
			i i		M = Not Measu	red	NIS = Not in s
	······				L = Off Line		
	···				E = Off Line B = Standby		

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

Day: WEDNESDAY Date: 11-Z

PUMP

10

PLANT EFFLUENT FLOW (GPM)

SYPHON

Time:

METER (X 10,000) GALs

11:22

J

Operator:

TRAIN 1

SOW

TOTAL

PLANT INFLUENT FLOW (GPM)

TRAIN 2

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

OPERATOR: J. JACKSON

DATE: 11-24-10

LISTING OF OPERATIONS ACTIVITIES	EQUIPMENT/MATERIALS USED
1) · PLAFIT RAN FINE DURING	the Night
2)	
3) . THE Daily Operators L	OG WAS CONDIFTED
4)	
5) . THE BY " EXTENSION WIG	ZE DIT ON PLANT SUND
6) PUMID TO ELIVATE PUM	D MED the FARMON ON
7) SUMP FLOGO	
8)	
9) · PLANT HOUSEVEEDING	DONE - LIDDER & LOWIER
10) LEVELS WERE MINDHED!	
11)	

LISTING OF MAINTENANCE ACTIVITIES	EQUIPMENT/MATERIALS USED
1) . THE NOV. MAINTENAM 2) E E-MIAILED TO PETER	CE LOG WAS CONIDLETTED
3) .	
4) . THE AMP DRAWS WER	E DONIE
5)	
<u>6)</u>	
8)	<u></u>
9)	
10)	
11) .	τ

MMENDED	·	
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	·····	

Q 11-29-10

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

DATE: 11-24-10

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

COMMENTS (Include areas of leaks) Tanks Valves Pumps Chemical Feed Skids NIST POLYMER CAUSTIC 11 POTASSIUM PERMANGANATE E2VICE HYDROCHLORIC ACID COMMENTS (Include areas of leaks) Valves Tanks Process Tanks ne EQUALIZATION GY ~ TREATED WATER $\overline{\Omega}$ V 1 REACTORS (\Box) CLARIFIERS 1/ SAND FILTERS V 1 CARBON VESSELS (lig) COMMENTS (include areas of leaks) Valves Tanks Pumps Process Systems #3 NOT IN SERVICE . / INFLUENT Ñ SLUDGE SETTLER ./ ĨΥ RECYCLE 1 AIR STRIPPER FEED \mathcal{V} CARBON FEED ν INJECTION General Conditions and Comments Floor and General Work Areas ONE LLOSE ON SLIP, TRIP, & FALL HAZARDS ELONP SHARP EDGES NONE PINCH POINTS NONE **OTHER HAZARDS** NONE Air Compressor General Conditions and Comments TANK DIC - RUNNING NEGR 3 OV AFTER COOLER AIR DRIER GV MOTOR & COMPRESSOR OK General Conditions and Comments Air Stripper COLUMN OK **BLOWER & BELTS** ()(CARBON VESSELS Notes and Comments: 11-29-10 DATE:

SIGNED:

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

Operations and Maintenance Document

SOUND MONITORING WORK SHEET

Day	FLEDNESDAY
Date	Nov 24,2010
Instrument ID	GLEER/EG 93-20 + 310
Battery Check	OK
Calibration Check	OK
Inspector	TAKACH

Area	Reading (dB)	Conditions	
Office	66.68	Door Distor Clarch	
HVAC Mezzanine	NM		
Clarifier Mezzanine	-> 82		¥
Injection Pumps (at motors)	78-80		1
AS Feed Pumps (at Motors)		Ple 3	1
Air Compressor Station	92-96	· · · · · · · · · · · · · · · · · · ·	4
Air Stripper Tower Area	72-74		1
AST Blower	82-84		
Paved Area	70-64	Marino Fron Blower	1
Shop	14.76		

Comments and Observations:	······································	
AR COMPRESSUE ON	Deves Clarits	ABF PMP #3 24

NM - Not Measured

Document No.:	Date of Issue:	Revision Level:
CPS-Form-015	July 9, 2010	F
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CLAREMONT POLYCHEMICAL SUPERFUND SITE EMPLOYEE SIGN IN SHEET

NIED DATE: 11-24-10

- REASON			HOINE	•••													
OUT	styl		1530		• •		 				_						
REASON	600	ζ.	Say			2	-			, ,							
Z	1720		1050	1	K												
SIGNATURE	D'I deile		() Jackson														
NAME	PETER E. TAKACH		JAMES S. JACKSON	-	,	RICHARD C. CRONCE		-									

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

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

Day: Thursday Date: 11-25-10

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

Weather Forecast (am):

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

Total Volume Processed for Day:

not recorded

Plant Operating Hours: 96:00 hrs.

Total Downtime: 00:00 hrs.

Reason for Downtime:

No downtime to report.

Significant Operational Problems: None

Corrective Maintenance Performed: None

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

Inspections Performed and Results: None

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

Available Analytical Results: No new data received

Calibration Procedures Performed: No calibrations required

General Remarks:

Putr Whach Peter Takach, November 24, 2010

Plant Manager Signature:

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

Day: Monday Date: 11-29-10

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

Total Volume Processed for Day:

569,604 gallons

Plant Operating Hours: 24:00 hrs.

Total Downtime: 0:00 hrs.

Reason for Downtime:

No downtime to report

Significant Operational Problems:

Influent pump #3 remains inoperable

Corrective Maintenance Performed:

Cleaned and adjusted Reaction Tank pH electrodes. Rotated process pumps from 2&3 to 1&2

Verbal/Written Instruction from Government Personnel:

USACE requested data on accidents and exposures at the plant for November 2010

Inspections Performed and Results:

Conducted site safety inspection, no new issues found.

Record of any tests performed, samples taken, and personnel involved:

The pH and temperature readings were taken from plant discharge stream Plant **ai**r monitoring task was completed

Available Analytical Results:

Received the organic data from the October PW samples

Calibration Procedures Performed:

The lab pH meter was calibrated and logged in. PID meter was calibrated and logged in The process pH meters were calibrated

General Remarks:

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

End of the month documentation is underway

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

Pater whach

Plant Manager Signature:

Peter Takach, November 30, 2010

Attachments:

Daily Operating Log Daily Site Safety Inspection Log Air Monitoring Log Sign In Sheet

cc: SAIC Program Manager USACE Project Manager File

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

Operator:	AKACH	•	Day: Mon	M	Date: 11-2	9-10	Time: 000
PLANT	INFLUENT FLO	N (GPM)			PLANT EFFLUE	NT FLOW (GPM	
TRAIN 1	TRAIN 2	TOTAL		PUMP	SYPHON	METER (X 1	0,000) GALs
186	1812	302		392	てち	20097 (0 810
			•				
Extraction	Signet	TOTAL E	XTRACTED GA	LLONS (HMI - F	low Data)	JUD MOUT	System
Wells	Flow Meter	• • •	(12:00 am t	o 12:00 am)		-/ Amp	Operating
	Total Volume	537 T-1	5MT-2	FAX T-3	14 T-4	1 Load	Hours
EW-1	335431	162750	C88HJI	166340	162777	168370	64313
EW-2	215314	179,000	181820	183080	179082	185630	58069
EW-3	252610	187610	189970	191500	187310	194040	62454
						•	
Injection	Water Levei	Signet Meter	Signet Meter	Observations an	d Comments		
. Wells	R. AMSL (HMI)	Flow Rate	Total Volume				
IW-1	163.0	95.1	4893681				
IW-2	125.6	.91.6	44862880				
IW-3	163.6	111.8	47835588				
IW-4	154.2	81.7	43372896	1			
Process	System	Motor	System Pres	sure Gauges			
Pumps	Operating	Amp	Suction Side	Discharge Side			
	Hours	Load	PSI	PSI	. COMN	IENTS	
INF 1	75608		0	8.5			
INF 2	74395		0	G. G1			
INF 3	28782		NIS			•	
ASF 1	42244		OL	- · ·			
ASF 2	50161		0	30			
ASF 3	43387		0	31			
GAC 1	1451716		OL	-	· · · ·		
GAC 2	149232		1.5	15			
GAC 3	34288		0.5	16			
REC 1	21940		SB				
REC 2	20743		SB				
INJ 1	66550		1	27			
INJ 2	40508		Ś	27			
INJ 3	NIS		NIS				
SUMP	NM	i - i		~			
BLOWER	16310			· · · · ·			
•		••••••• •	•••••				
	INLET	OUTLET	1.			System Probe	Lab Meter
· · · · · · · · · · · · · · · · · · ·			1				T

	INLET	OUTLET		
GAC #1 (PSI)	10	10		
GAC #2 (PSI)	11	11		
AIR DRIER (PSI)	2	<u> </u>		
AS Blower (H-O")	4.2			

AS Blower (H ₂ O")	4.8	
Air Temp (^e F)	じょ	54
Water Temp (°F)		32
V-GAC #1 (H ₂ 0")	2.65	015
V-GAC #2 (H ₂ 0")	OL	_

Additional comments: A LOT OF WATCH DIUPS L	AIR DUCT
KERURNS	
Supervisors Signature:	

рН	DAILY	WEEKLY	
Reactor Tank 1	5.63	5.33	[04
Reactor Tank 2	4.93	5.34	, CEA
AS. Feed	6.39	5.48	
PLANT DISCHAP	RGE - pH	5,60]
PLANT DISCHAP	RGE - Temp.	13:0	

SAND FILTER		ER (INCHES)
	Measurement 1	
	AM	If needed
Treat. Train 1	13,25	
Treat. Trein 2	13.0	

S.,

NM = Not Measured OL = Off Line SB = Standby

NIS = Not in service

Date 11-30-10

Jan. 21, 2010 Rev.:J

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

DATE: 11-29-10

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

Chemical Feed Skide

:	POLYMER

CAUSTIC

POTASSIUM PERMANGANATE HYDROCHLORIC ACID

	Pumps	Valves	Tanks	COMMENTS (Include areas of leases)
				DREUNE
	<u> </u>			
Ì	`·			
1	<u> </u>			

Process Tanks

EQUALIZATION TREATED WATER REACTORS CLARIFIERS SAND FILTERS CARBON VESSELS (liq)

	Valves	Tanks	COMMENTS (Include areas of leaks)
. Sand States in	·V		LOK
Sec. 6 - manual sec. 7			DK
			OK
			OL
			012
and a second state			

Process Systems

Pumps Valves COMMENTS (include areas of leaks) Tanks INFLUENT 4 1- $\overline{\mathcal{P}}$ SLUDGE SETTLER 1721 2 Di RECYCLE L 1_ OK AIR STRIPPER FEED 1 ----2 L \mathfrak{D} 6 NOUSE CARBON FEED مسنيا 2 • L. INJECTION 1 í..... BI

General Conditions and Comments

General Conditions and Comments

Ump

Floor and General Work Areas SLIP, TRIP, & FALL HAZARDS SHARP EDGES PINCH POINTS OTHER HAZARDS

Air Compressor

TANK AFTER COOLER AIR DRIER MOTOR & COMPRESSOR

K)K

OV

 \Box

Air Stripper

COLUMN BLOWER & BELTS CARBON VESSELS

Notes and	d Comments:	-	· ·	·		
		•				
SIGNED:	DACIE					
	- Internetal		DAT	E: 11-30-	61	
	•	•••				

AIR MONITORING LOG CLAREMONT POLYCHEMICAL SUPERFUND SITE

Sampler	AKACH	•	Date	11-29-10
Calibration	n Standard(s) <u>1.200</u> Post-cal Readings	BUMENE 1000 100	pin	.
				-
Location		Reading (ppm)		
CONTRO	LROOM			-
	Laboratory	0.0		
	Bathroom	6.6		
	Office	0.0		
PLANT				
	Influent Area	D.J .		
	Sludge Storage Area	0.0.		
	Sand Filter Area	0.0		· ·
	Air Compressor Area	0.0		
	Sludge Press Area	6,0		
EXTERIO	R			
	Storage Tanks	0.3		
	Upper (South West) Lot	0,)		
	Lower (South East) Lot	0, 0		
	Air Stripper Area	CiO		
	Back (North)			
GAC VES	SELS			•
	#1 Influent	0.0		
	#1 Effluent	0.0		
-	#2 Influent			
	#2 Effluent	OL	-	•

Comments:

March 3, 2008 Rev. B

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CLAREMONT POLYCHEMICAL SUPERFUND SITE EMPLOYEE SIGN IN SHEET

100 Jare: Nov 29

NAME	SIGNATURE	N	REASON	OUT	REASON	
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PETER E. TAKACH	X. Wer	132	60	5251		Ì
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JAMES S. JACKSON						1
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RICHARD C. CRONCE		T C				r –
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Doc. No.: CPS-Form-011 March 3, 2008 Rev.: C

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

Day: Tuesday Date: 11-30-10

Weather Forecast (am): Partly sunny and warmer. Temps are expected to be 44-56-51^oF. Wind will come from the ESE-SE at 8-15-12 mph. Relative humidity is 85% with rain expected in afternoon.

Total Volume Processed for Day:

556,210gailons

Plant Operating Hours: 24:00 hrs.

Total Downtime: 00:00 hrs.

Reason for Downtime:

No downtime to report

Significant Operational Problems:

Influent Pump #3 remains off line

Corrective Maintenance Performed:

Dried press with compressed air and started emptying cake to drums. Consolidated carbon waste drums

Verbal/Written Instruction from Government Personnel:

USACE requested data on accidents and potential exposures at plant for November

Inspections Performed and Results:

Site safety inspection was completed. There is nothing new to report.

Record of any tests performed, samples taken, and personnel involved:

No tests performed or samples taken

Available Analytical Results:

No new data is available.

Calibration Procedures Performed:

No calibrations required.

General Remarks:

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

End of the month documentation has started. General O&M activities continue.

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

Pater Whach

Plant Manager Signature:

Peter Takach, December 1, 2010

Attachments:

Daily Operating Log Daily Site Safety Inspection Log Sign In Sheet

cc: SAIC Program Manager USACE Project Manager File

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

	_	•	· .				
Operator:	TALACH		Day: TUES	DAY	Date: 11-2	0-10	Time: 7
						·	
PLANT	INFLUENT FLO	W (GPM)			PLANT EFFLUE	ENT FLOW (GPM))
TRAIN 1	TRAIN 2	TOTAL	1	PUMP	SYPHON	METER (X 1	0,000) GALs
130	186	372		391	NM		0 611
				lana - ilifii alteriana -			
Extraction	Signet	TOTAL	EXTRACTED GA	LLONS (HMI -	Flow Data)	Motor	System
Wells	Flow Meter			to 12:00 am)		Amp	Operating
	Total Volume	T-1	T-2	Т-3	T-4	Load	Hours
EW-1	335593	161120			1	NM	64327
EW-2	275558	185200				<u> </u>	SBION
EW-3	252803	143770		├ ─── ╲ ──			62468
	0 1000 3			l,			
Injection	Water Level	Signet Meter	Signet Meter	Observations a	nd Commente		
Wells	ft. AMSL (HMI)	Flow Rate	Total Volume	Cost validits a			
W-1	163:0	93.3	18571843	<u> .</u>			
W-2	125.6	92.8	44996591	4 .			
W-3						· · · · · · · · · · · · · · · · · · ·	
W-4	Lieb. 2	113.2	41996456	{			
44	1754.4	90.6	40490506	I			
Dresser	1				·····	· · · · · · · · · · · · · · · · · · ·	·
Process	System	Motor		sure Gauges	4		
Pumps	Operating	Amp	Suction Side	Discharge Side			
	Hours	Load	PSI	PSI	. COMN	IENTS	·
NF 1	75630	NM_	1.5	<u>ಕ್</u> .5			
NF 2	174417		2	10			
NF 3	28782				İ.,		
ASF 1	42412		0	30,5			
ASF 2	50183		0	30,2			
ASF 3	43391		OL]	· · ·	
GAC 1	45714		0.5	1			
GAC 2	49254		1.3	14.5			
GAC 3	39292					•	
REC 1	21440		50				
REC 2	20743		SB		·		
NJ 1	66572			27	1		
NJ 2	40530		<u> </u>	27	T		····
NJ 3	, ,		NIS				·
SUMP			NM		1		
BLOWER	16332		NM	·			
					·		
	INLET	OUTLET	1.		l	System Probe	Lab Meter
GAC #1 (PSI)	10	10	1		Ha	DAILY	WEEKLY
GAC #2 (PSI)		11	1 .		Reactor Tank 1	5.22	NM
IR DRIER (PSI)	OL I		1		Reactor Tank 1 Reactor Tank 2		<u> </u>
			1	• .	in the second second second second second second second second second second second second second second second	5.34	<u> </u>
S Blower (H ₂ O")	4.8	,	1		AS. Feed	6.39	
Vir Temp (°F)					PLANT DISCHAR		
	55				PLANT DISCHAR	GE - Temp.	<u> </u>
Vater Temp (°F) -GAC #1 (H ₂ 0")		<u> 45</u>					
	2,60	0:10		•			<u></u>
/-GAC #2 (H ₂ 0")	DL		• •		SAND FILTER	DEPTH TO WATE	R (INCHES)

ditional comme	<u>125</u>	//\$	· · · · ·	
			:	

pН	DAILY	WEEKLY
Reactor Tank 1	5.22	NM
Reactor Tank 2	5.34	
AS. Feed	6.39	
PLANT DISCHAR	GE - pH	
PLANT DISCHAR	GE - Temp.	

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

TICAL ITAUL	12162	
Treat. Train 2	13.0	
NM = Not Measi	urad	NIC
141A1 - 1401 IAIE991		- GIN

OL = Off Line SB = Standby Not in service

12-1-10

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

30-10 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

Feed Skids	Pumps	Valves	Tanks	COMMENTS (include areas of leasis)
POLYMER		·		SYSTEMS OFFLING
CAUSTIC	$\overline{\mathbf{x}}$	1		
POTASSIUM PERMANGANATE		1	·	
HYDROCHLORIC ACID		1 · · · ·		•

Process Tanks

EQUALIZATION
TREATED WATER
REACTORS
CLARIFIERS
SAND FILTERS
CARBON VESSELS (iig)

<u> </u>	Valves	Tanks	COMMENTS (include areas of leaks)
124033	· /		8K
5	~	~	el
			CIL
	·		eic
Section 2			OIC
ALL STREET			AK

Process Syst

Floor and General Work Areas

TANK

COLUMN

SHARP EDGES PINCH POINTS

OTHER HAZARDS

AFTER COOLER AIR DRIER

BLOWER & BELTS CARBON VESSELS

MOTOR & COMPRESSOR

1 + 1

Systems	Pumps	Valves	Tanks	COMMENTS	(include areas of leaks)
INFLUENT			69672553	01-	P3 DOWN
SLUDGE SETTLER	2			OK	
RECYCLE				OK	DLUP AT DRAW YAWY
AIR STRIPPER FEED				1 OK	
CARBON FEED			• ~	0K	····
INJECTION			A Barrier and the second second	OK.	

General Conditions and Comments SLIP, TRIP, & FALL HAZARDS

· CK	······································		•	
OK	The second second second second second second second second second second second second second second second s	,		
OK_	 			-
OU				

General Conditions and Comments

OK.	· · · · · · · · · · · · · · · · · · ·
EX.	· · · · · · · · · · · · · · · · · · ·
EK	
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General Conditions and Comments ...

EX_	
ar	
81	

Notes and Comments:

Air Compressor

Air Stripper

SIGNED:	-full chel			DATE: 12-1-	()
				' <i>,</i> .	
		•	•	•	
			•		

SAIC	CLAREMONT	POLYCHE	CLAREMONT POLYCHEMICAL SUPERFUND SITE EMPLOYEE SIGN IN SHEET	ND SITE	DATE	10250A
NAME	SIGNATURE	IN	REASON	OUT	REASON	
		,				
PETER E. TAKACH	Y. i well	171	(20)	1530		、
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-						•
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JAMES S. JACKSON						
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RICHARD C. CRONCE		ſ				
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Dan Mary Cho Farm and						

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

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