CLAREMONT POLYCHEMICAL SUPERFUND SITE Groundwater Treatment System Old Bethpage, New York

MONTHLY REPORT

of the

Operations & Maintenance Activities

During

January 2014

WA D006130-19 SITE # 130015

Prepared for the:

New York State Department of Environmental Conservation

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ACRONYMS AND ABBREVIATIONS

AS air stripping
ASF air stripper feed
CA carbon adsorber

CLP contract laboratories program

DBA doing business as

DOSR daily operations summary report

DTW depth to water gpd gallons per day gpm gallons per minute GW groundwater

GWTP groundwater treatment plant GWTS groundwater treatment system

HCl hydrochloric acid

HMI human-machine interface

HRP HRP Associates, Inc., dba HRP Engineering, P.C. HVAC heating, ventilation, and air conditioning

IG infiltration gallery
IW injection well

LGAC, LCA 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 PDB Passive Diffusion Bags

PD plant discharge

PID photo ionization detector
PLC programmable logic controller
psi pressure in pounds per square inch

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, VCA vapor-phase granular activated carbon

VFD variable frequency drive VOCs volatile organic compounds

1.0 OPERATION AND MAINTENANCE ACTIVITIES

HRP Associates, Inc. dba HRP Engineering, P.C. (HRP) continued its daily operation and maintenance (O&M) of the Claremont Polychemical Superfund Site groundwater treatment system (GWTS) for January 2014. This period is defined as 0600 hours, January 1, 2014, through 0600 hours, February 1, 2014. O&M conducted during this reporting period was performed in accordance with the site O&M Manual.

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The plant, grounds, and well system were maintained for 31 days in this reporting period. During this period, the treatment system was generally stable with steady flows. In January, the groundwater treatment system experienced 0 hours of downtime during maintenance activities.

Readings of key process parameters are recorded each work day morning. These readings are used to monitor the plant's performance and as a basis for adjustments to the plant processes. These readings are recorded in the Daily Database which is an electronic file maintained in the monthly operating data folders.

1.1 Daily Operations Summary Reports

The operation of the GWTS is documented in the Daily Operations Summary Reports (DOSR). The DOSRs include a summary of the daily O&M activities and are based on the daily operating logs and worksheets. These worksheets include:

Daily Operating Log – process meter readings (CPS-Form-008)

Daily Activities Summary Report - plant operator activities (CPS-Form-007)

Daily Site Safety Inspection – Site checklist for unsafe conditions (CPS-Form-009)

Employee Sign-In Sheet – employee log in (CPS-Form-11)

1.2 Summary of Maintenance Activities

Maintenance of the treatment system and associated equipment is performed in accordance with the Claremont Groundwater Treatment System O&M Manual. Routine activities and equipment function tests completed during this reporting period are summarized in the Monthly Maintenance Log. This report is electronically filed and is available for review.

System maintenance incorporates the equipment manufacturers' recommendations, operations experience, and good engineering and maintenance practices. A detailed accounting of daily operation and maintenance activities is provided in the plant operator's daily logbook, the site supervisor's daily logbook, the operator's daily activities summary reports, and the site supervisor's daily plant activity notes.

At the end of this report is a list of the manuals, logs, reports, and databases maintained by the treatment plant. The locations of these documents are included.

The significant maintenance activities completed during this reporting period included the following:

• General maintenance activities continued, including outdoor clean up and landscaping tasks, housekeeping, system inspections and system monitoring.

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- Scheduled monthly tasks which included motor amp load readings, injection well (IW) depth soundings, IW falling head tests, valve function tests, comprehensive site inspections, and infiltration gallery readings.
- The process pumps were rotated from pump 2&3 to pump 1&2 to pump 1&3.
- The clarifier baffles were cleaned.
- The light bulbs around the plant were changed as necessary.
- The MCP control relay for INF P3 was changed. The replacement appears to have fixed the pump shut off problem.
- Details and logistics for the change out of the liquid side carbon beds were looked into. Three vendors were contacted.
- The packer for EX-1 was recharged to 40 psi.
- Condensate water was drained from the compressed air delivery system.
- Repairs on the auto-document feeder of the HP printer were attempted but not successful. Bulk documents are not able to be processed.
- The M-4 pump was rebuilt to better seal the diaphragm.
- Hydraulic fluid was changed and the pump system flushed on the snowplow.
- PM was completed on the air compressor system.
- PM was completed on the AS blower. The shaft bearings are worn and will require replacement.
- The pressure relief valve was replaced on the portable air compressor.
- The paddle wheel flow element for IW-1 failed. It was removed, cleaned and put back on-line.
- The K-factors were reset on the paddle wheel flow sensors. The reset will indicate lower flow readings.

2.0 MAINTENANCE LOGS

The following operating logbooks are currently in use:

•	Well Maintenance Field Log	CL-28
•	Sampling support Field Log	CL-37
•	Miscellaneous Field Notes	CL-47
•	Site Supervisor's Daily Log	CL-48
•	Plant Operator's Daily Log	CL-49

Of the completed project logbooks, 40 are in the process of being scanned and delivered to the NYSDEC and 6 are on file at Claremont. 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.

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3.0 TECHNICAL SUPPORT ACTIVITIES

3.1 HRP Personnel

- Other than the plant operators, there were no HRP personnel at the site in January.
- Jennifer Kotch and Nancy Garry continue to oversee the project from HRP-NY.

3.2 NYSDEC Personnel, sub-contractors and other visitors

- Test America-NY was in to pick up the PD samples for delivery to TA-Edison (1/15)
- Mike Flaherty (NCDPW) was in for an update on recent sampling results (1/8)
- Plainview Water was in to inspect the fire sprinkler system (1/15)
- Mike Flaherty and Valerie Egan (NCDPW) were in to go over PDB sampling techniques (1/17)

3.3 Deliveries

- Mail was delivered six times.
- Fed Ex delivered the HRP W-2 forms (1/14)
- UPS delivered the McMaster Carr order (1/23, 24)

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). Site safety inspections were performed daily and the reports are filed on-site. In addition to the daily safety inspections, comprehensive safety inspections are periodically carried out. These worksheets are also on file.

- An exit light bulb was replaced at the SW door.
- Comprehensive site safety inspections were completed (1/10, 1/24)
- Safety inspection forms -02 and -04 were revised.

No safety incidents or accidents occurred during this January 2014 period.

5.0 PLANNED ACTIVITIES AND SCHEDULES

The status of project work and significant corrective maintenance activities is updated on a monthly basis. This status of plant conditions and concerns was updated January 27 and is electronically filed. It can be found at the end of this report as Table 12-1 – Claremont Corrective Action Summary.

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Separate tentative schedules for equipment maintenance events are shown in the O&M Manual and the Sampling and Analysis Plan (SAP). Other future activities are to include:

- The preparation and painting of the EQ tank shell continues when conditions permit
- The revised SSHP is being reviewed.
- When feasible, INJ P2 is to be pulled and the mechanical seal checked.
- The level control floats for the sump pump are to be reattached to the sump wall.
- The next backwashing of the LCA vessels is to be scheduled.
- The next quarterly PW samples are scheduled for Feb. 19
- Replacement of the AS blower bearings and belts is to be considered.
- The change out of the LCA carbon beds is to be planned
- The elements of the flow sensors are to be cleaned.

6.0 MONITORING WELL WATER ELEVATIONS

The monitoring well system water level elevation data table was updated after the December quarterly groundwater sampling event. This database is available for review. The water level elevation data is included in the quarterly groundwater monitoring report.

Due to the stabilized nature of PDB samples, the water quality data is no longer collected. The next water level recording event is tentatively scheduled for March 2014.

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 for January is provided in Table 7-1. The total volume of treated water discharged in January, as measured from 0600 hours on January 1, to 0600 hours on February 1, was 14,930,131 gallons. The cumulative volume of water discharged for this contract year (June 1, 2013 to February 1, 2014) was 117,631,856 gallons. A graphic representation of the system's daily flows is provided in Figure 14-1. The plant experienced 0 minutes of downtime in January and has been offline ~185 hours this contract year.

In January, the plant discharge flow averaged 334 gallons per minute (gpm) and 481,617 gallons per day (gpd). These flow rates are lower than December's primarily due to further restrictions in the influent flow to IW-2.

Month	Flow Average (gpm)	Volume Discharged (gpd)
June '12	380	546,715
July '12	357	513,599
August '12	344	495,778
September '12	338	487,288
October '12	320	460,217
November '12	343	493,409
December '12	47	68,314
January '13	0	0
February '13	0	0
March '13	0	0
April '13	0	0
May '13	152	219,330
June '13	333	480,205
July '13	282	406,545
August '13	356	512,480
September '13	342	493,022
October '13	338	486,258
November '13	344	494,895
December '13	338	486,913
January '14	334	481,617
Historic Target	335	482,400

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The flow monitoring units for the individual IW systems and infiltration galleries are on-line. These units allow for reading the flow rate and volume discharged to each individual system. The relative flows for January are indicated below:

Injection Well System	Flow Average (gpm)	Volume Discharged to well (gallons)
IW-1	16.7	745,764
IG-1	73.5	3,278,868
IW-2	52.5	2,345,595
IW-3	43.6	1,945,991
IG-3	69.8	3,117,739
IW-4	78.7	3,511,395
System	335	14,945,352

Discrepancies between the individual injection system meter readings and the total plant effluent meter readings is due in part to the type of flow meters utilized to measure the discharge (paddle wheel vs. magnetic vs. turbine), the plumbing configurations, sludge build up in the piping at the flow elements, rounding factors in the meters, and the relative time

the readings are taken. A period of flow into IW-1 was not recorded because the flow element failed.

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The flow to IW-1 and IW-3 is maximized and the valves to the galleries are fully open. Both galleries are draining adequately.

The plant's total effluent discharge is limited by plumbing constraints, by injection pump capacity and the ability of the wells to accept water.

8.0 CHEMICAL CONSUMPTION

The four chemical feed systems are off line and out of service. The systems are periodically tested and could be operational. The caustic, the acid and the polymer chemical feed tanks and feed tubing contain water for testing and inspection purposes. The KMnO4 tank is empty with a cracked flange.

There are no bulk chemicals onsite.

9.0 CARBON SYSTEMS

9.1 Aqueous-Phase Carbon

The influent water to and the effluent water from the liquid-phase Carbon Adsorber (LCA) vessels is monitored on a quarterly basis for volatile organic (VOA) and semi volatile organic (BNA) compounds. In previous sampling of these streams, minimal VOA or BNA compounds have been detected in the effluent. The vessels were last sampled in November and results indicate that the compounds of interest are below acceptable limits.

As part of the daily monitoring task, the differential pressure across each vessel is recorded. This data along with the discharge pressures of the LCA feed pumps are used to determine whether backwashing of the carbon beds is necessary. The vessels were backwashed through several cycles each in December. Currently, the differential pressure across both vessels is rising as is the pump output pressures, indicating that backwashing again will be needed.

The spent carbon recovered from the backwashing operation is stored in drums on-site indoors. This carbon is generally listed as non-hazardous waste. A routine scan of the last drums transported for disposal indicated that trace levels of radioactivity was detected. The disposition of this carbon has yet to be determined.

No carbon was added to the vessels in January. There is currently 1 partial drum of carbon waste in storage.

9.2 Vapor-Phase Carbon

Two vapor-phase Carbon Adsorber vessels (VCA) are available for the off gas treatment of the air stripping (AS) air stream. Currently, VCA-1 is online. VCA-2 is offline and ready for service. Monitoring of VOCs in the influent and effluent air stream of the active vessel is performed weekly with a photo-ionization detector (PID). No emissions from the vessel air stream were observed in January.

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No spent vapor-phase carbon was generated during this period, and no carbon was added to the vessels.

10.0 WASTE DISPOSAL

No waste was disposed of in January.

11.0 MONTHLY DISCHARGE MONITORING REPORT

The GWTS is currently operating under an equivalency permit from the New York State Department of Environmental Conservation (NYSDEC). This permit does not require monthly reporting, however, a review of the monthly plant discharge analytical results, (included within Section 14.0), indicated all analyzed parameters were below noted permit limits.

The plant's water discharge permit expired December 31, 2013. The permit renewal/extension process is being completed by the NYSDEC..

12.0 OTHER OPERATIONS, MAINTENANCE, OR MANAGEMENT ISSUES

The discharge from extraction wells 1 and 2 remain restricted by the globe valves at the mixing manifold. In January, EX-1 averaged 82 gpm, EX-2 averaged 102 gpm, and EX-3 averaged 124 gpm. (These gpm readings are averages over 24-hrs, the pump's actual on-time is 16-19 hours per 24 hours).

All three extraction well pumps have been cycling off due to changes in the water level in the wells due to varied pumping rates and seasonal groundwater fluctuations. Adjustments have been made to the pump control transducer set points to increase the pump on-time.

The high level of water in IW-2 has necessitated the restriction of the plant discharge into the well.

Other on-going plant maintenance issues are summarized on Table 12-1.

13.0 PLANT DOCUMENTS

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

• Procedure (-PSP-014) for the snow plow hydraulic pump fluid change-out was written.

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- Inspection form (-002) was revised to rev. J (chemicals) What?
- Inspection form (-004) was revised to rev. J (safety systems) What?

14.0 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.

14.1 Off-site Analytical Data Results

Monthly plant discharge (PD) samples are taken for organic analysis in compliance with the NYSDEC discharge permit. Quarterly groundwater (GW) samples are taken for organic analysis, and quarterly process water (PW) samples are taken for organic, inorganic, and generic analysis. January's sampling activities included:

- The monthly PD samples were collected 1/15 and shipped to TA Edison for organic analysis.
- The December PD sample data was uploaded to EQuIS
- The December GW sample data was uploaded to EQuIS. The data showed high levels of acetone in the samples.
- The quarterly PW samples are scheduled for 2/19.

The plant discharge was sampled Jan. 15. The following are the analytical results for those samples:

Plant Discharge			
Parameters	Discharge Limitations	Units	Results January 2014
pH (range)	5.5 – 8.5	SU	6.44
1,1,1-Trichloroethane	5	ug/l	U
1,1-Dichloroethane	5	ug/l	U
1,1 Dichloroethylene	5	ug/l	U
Benzene	0.7	ug/l	U
Chlorobenzene	5	ug/l	U
Chloroform	7	ug/l	U
1,2-(cis) Dichloroethylene	5	ug/l	U
1,2-(trans)Dichloroethylene	5	ug/l	U
Ethylbenzene	5	ug/l	U
Methylene Chloride	5	ug/l	U
Tetrachloroethylene	5	ug/l	U
Toluene	5	ug/l	U
Trichloroethylene	5	ug/l	U

Bis(2-ethylhexyl)phthalate	4200	ug/l	U
Di-n-butyl phthalate	770	ug/l	U
Antimony, Total recoverable	3	ug/l	Not Sampled
Arsenic, Total recoverable	50	ug/l	Not Sampled
Barium, Total recoverable	2000	ug/l	Not Sampled
Lead, Total recoverable	50	ug/l	Not Sampled
Selenium, Total recoverable	40	ug/l	Not Sampled
Iron, Total recoverable	500	ug/l	Not Sampled
Manganese, Total recoverable	500	ug/l	Not Sampled
Nitrogen, Total (as N)	10	mg/l	Not Sampled
Solids, Total Dissolved	1000	mg/l	Not Sampled
Chromium, Hexavalent	100	ug/l	Not Sampled
Chloride Ion	NL	mg/l	Not Sampled
Fluoride Ion	NL	mg/l	Not Sampled
Sulfate Ion	NL	mg/l	Not Sampled

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NS not sampled
U analyzed for but not detected

J estimated value
NL monitor only

14.2 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 plant effluent taken from a controlled point with calibrated portable meters. A summary of this data is as follows:

Date	pH	Temperature (°C)
Jan. 6	6.42	13
Jan. 13	6.37	11
Jan. 20	6.41	13
Jan. 27	6.57	nr
January Average	6.44	13

The NYSDEC discharge permit requires the plant discharge to have an average monthly pH greater than 5.50. The treatment plant effluent pH averaged 6.44 in January and met the monthly average pH discharge requirement. A graph of the plant discharge monthly pH average trend over several months is provided in Table 14-1.

Using a calibrated PID meter, weekly air monitoring readings are taken of the influent and effluent air streams of the active vapor phase carbon adsorber vessel following the air stripping tower. Currently vessel #1 is on-line.

Date	Inlet	Outlet
Jan. 6	0.0	0.0
Jan. 13	0.0	0.0
Jan. 20	0.0	0.0
Jan. 27	0.0	0.0

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No emissions were observed in the discharge of the active vessel (VCA-1) in January.

Measurements to determine the well depth from the top of the injection well column to the bottom were taken on 1/31. A summary of the historical data is included in Table 14-2. Although there has been an accumulation of sediment in all four injection wells, the rate of infiltration appears to have stabilized. The flow of injected water into IW-2 remains restricted.

Water elevations in the IWs are recorded on a daily basis from the well's transducer output. Although depicted in Figure 14-1, these water levels are from faulty instruments and are questionable. However, the IW levels were generally steady and are physically monitored. On 1/31 the DTW readings for the injection wells were recorded.

	Sounding Depth (ft)	Transducer	Depth to Water (ft)
IW-1	144.60	132.0	3.84
IW-2	130.45	123.1	2.38
IW-3	247.75	131.3	5.15
IW-4	190.01	130.1	10.04

nr – not recorded

Water level data from the injection well falling head test analysis was collected. Although the output of the level transducers is questionable, the data for all four wells was recorded. A graphic representation of the time required to drop the water level to a static condition is presented in Figure 14-2. Comparisons of baseline data from March 2006 to that of recent tests (Figure 14-3) indicate that the performance of the wells is unchanged. With the exception of IW-2, the wells appear to be draining adequately.

Other routine data collected during January included:

- The plant sound level readings were recorded twice (1/10, 1/27)
- Weekly utility meter readings were recorded.
- The extraction well packer pressures were recorded on several occasions (see Sec. 15.1)

^{*}PID readings indicate that the VOCs in the air stream are lower than the part per million levels (ppm) of the instrument's capability.

• The process motor amp loads were measured and recorded 1/31.

15.0 PROCESS ANALYSIS, INTERPRETATIONS, AND CONCLUSIONS

15.1 Extraction and Influent Processes

• Discharge flows from EX-1 and EX-2 remain restricted. The packer for EX-1 was recharged to 40 psi

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- The transducer pump control for EX-1 well was adjusted to increase pump on-time.
- The pump motor amp load readings were recorded 1/31
- The EX well flow monitors' K-Factors were reset. This results in lower flow readings.
- The three extraction well pumps are fully functional and are on-line.
- The three influent pumps are operational and 2 are on-line.
- The control relay for INF-P3 was replaced. The pump now responds to the HMI and MCP control switches.
- There continues to be some drift in the VFD control of influent pump-1.
- The influent pumps were rotated twice in January.
- The 2 influent flow controllers are fully functional.
- Routine maintenance continues.

Extraction Well packer pressure readings:

Date	EX-1 (psi)	EX-2 (psi)
Jan. 6	24 psi	46 psi
Jan. 9	23	45
Jan. 10	22	45
	recharged to 40 psi	
Jan. 13	39	45
Jan. 17	35	45
Jan. 21	35	44
Jan.27	32	43
Jan. 31	30	44

15.2 Flow through Aeration Process

• Both treatment trains are on-line and the process water is balanced between them.

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- The polymer, potassium permanganate, caustic, and hydrochloric acid 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 lack of solids generation.
- The pH control systems are offline.
- The reaction tanks and clarifier systems continue to operate as pass-through settling tanks.
- The baffles of the clarifiers were cleaned.

15.3 Settling Filter Process

- The system is fully functional and draining adequately.
- Maintenance is performed as required.

15.4 Air Stripping Process

- The three ASF pumps are operational and are rotated into service two at a time. They were rotated twice in January.
- The motor amp load readings were recorded 1/31
- The VFD for ASF P2 exhibits an earth ground fault. When on-line, Pump 2 operates through the off line pump's VFD.
- The blower is checked daily and is fully functional. The blower PM tasks were completed 1/30. The shaft bearings and belts will soon need replacement.
- No other issues arose with the air stripping system. Routine maintenance continues.

15.5 Aqueous-Phase Carbon Treatment Process

- All three feed pumps are operational, with two pumps rotated into service at a time. The pumps were rotated two times in January.
- The differential pressure across each vessel is increasing as is the discharge pressure of the pumps. This indicates that backwashing will be required soon.
- The pump motor amp load readings were recorded 1/31.
- Other routine maintenance tasks continued.

15.6 Treated Water Injection Process

- The plant discharge system is online and operational.
- The injection pumps were rotated twice in January.
- The influent flow to IW-2 has been restricted further. At current flow levels (~25 gpm) the well adequately drains.

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- The paddle wheel flow sensor for IW-1 failed. It was removed, cleaned and returned to service.
- The flow monitors' K-Factors were reset. The flow readings will indicate lower.
- The pump motor amp load readings were recorded 1/31
- There appears to be a mechanical seal leak on pump 2.
- There continues to be a discrepancy between the PD and IW flow sensor readings.
- The galleries are adequately draining.
- No other issues were encountered with the injection system in January. Routine maintenance tasks continue.

16.0 GROUNDS

16.1 Plant Perimeter

- General outdoor clean up continues. This includes landscaping tasks.
- The warning signs and fencing is in good shape and the gates are clear.
- The fire hydrant is clear and accessible.
- Snow removal was carried out as necessary.

16.2 Well Field

- Manual DTW readings of the IWs continued.
- EX well packer pressure readings continue.
- The well sites were kept clear of overgrowth and fallen trees.

16.3 Other

- The monthly in-house inspection of the plant truck was completed.
- Miscellaneous trips for local purchases were made.
- The snow plow was mounted and tested. The hydraulic fluid was changed.

There were no other significant issues outside the plant. Routine maintenance continues.

FIGURES

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Figure 14-1 Injection Well Elevations and Daily Flow

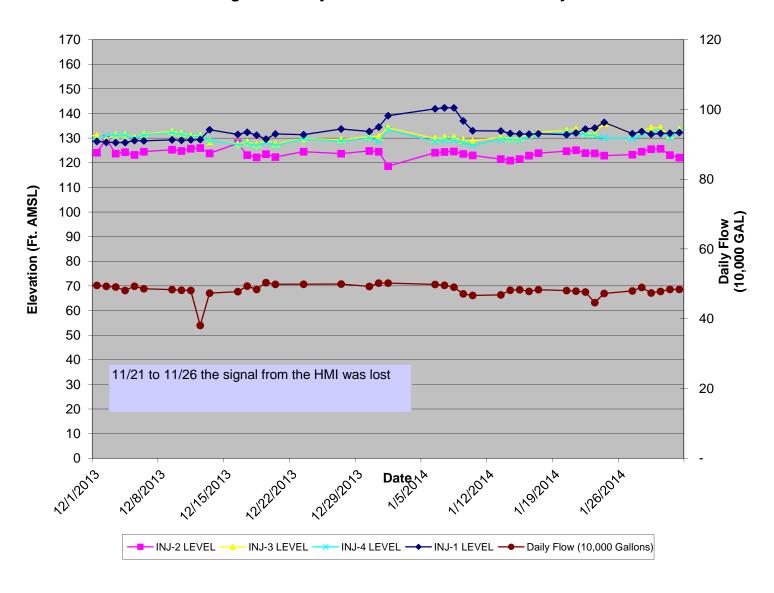


Figure 14-2 Injection Well Falling Head Test - January 23, 2104

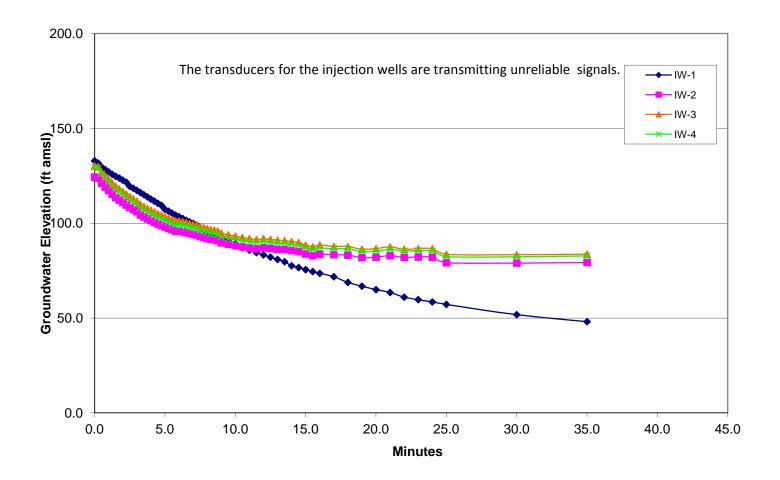
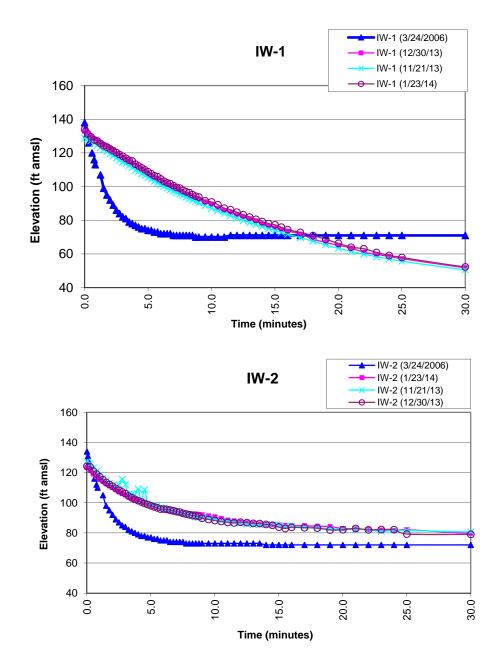
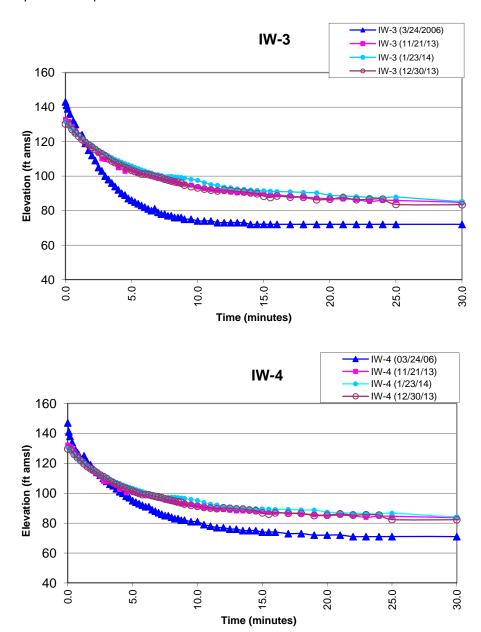


Figure 14-3 Comparison of Falling Head Tests





January 2014

TABLES

TABLE 7-1MAGNETIC FLOWMETER DAILY TOTALIZER READINGS

January 2014

TOTALIZER DATE READING		GALLONS PER DAY	GALLONS PER MINUTE	
1/1/2014	761930955	539045	374	
1/2/2012	762470000	2000000	347	
1/6/2014	764470000	500000	347	
1/7/2014	764970000	500000	347	
1/8/2014	765470000	490000	340	
1/9/2014	765960000	470000	326	
1/10/2014	766430000	1400000	324	
1/13/2014	767830000	480000	333	
1/14/2014	768310000	500000	347	
1/15/2014	768810000	520000	361	
1/16/2014	769330000	410000	285	
1/17/2014	769740000	1460000	338	
1/20/2014	771200000	470000	326	
1/21/2014	771670000	490000	340	
1/22/2014	772160000	470000	326	
1/23/2014	772630000	440000	306	
1/24/2014	773070000	1420000	329	
1/27/2014	774490000	480000	333	
1/28/2014	774970000	490000	340	
1/29/2014	775460000	490000	340	
1/30/2014	775950000	460000	319	
1/31/2014	776410000	451086	313	
2/1/2014	776861086			
Jan '14 Treated W	ater Volume	14,930,131		
Jan '14 GPM Disc	harged		334	

Table 12-1

Plant conditions and concerns (updated 1/27/14)

Date	Condition to be corrected	Status	Priority	Notes	
2007	PD manifold leak	Leave as is and monitor	3	Leak is monitored and deemed to be not serious	
2008	Check Valve failures	Valves are manually controlled	2	Plant wide – 13 units, this situation creates problems for any remote control of the processes.	
2008	Injection Pump 1&2 shut off valve failures	Leave as is	2	Minimum 4 units. Pumps cannot be isolated	
Aug '08	Air Compressor overhaul	Run system on an 'as needed' basis	4	This method has been working well. A failure may prevent some tasks.	
2009	EQ tank isolation valve failure	Leave as is	2	The tank cannot be isolated	
2009	Filter press hydraulic fluid leak	Add fluid as needed	4	The hydraulic pump system will require outside service.	
Aug '10	IWs transducer replacement	Leave as is and manually measure water levels	3	all 4 units give unreliable signals	
Aug '10	Access stairs from plant to wellfield	Leave as is	4	Need to generate a plan with costs	
May '11	pH meter failures at RX1, 2, and ASF	Leave as is	4	pH control is no longer required	
June '11	ASF P2 VFD failure	Leave out of service	2	P-2 is run on off-line pump's VFD	
July '11	INF P1 VFD malfunction	Leave as is	2	Pump flow is controlled by throttling the P-1 discharge valve	
Jan '12	INF P2 motor noise	Await failure	4	Replace motor at failure	
Apr '12	INJ P2 leak	Leave as is	2	Shut down item – replace seal	
Apr '12	Permanganate tank repair	Leave as is	4	Off line, tank is not needed	
June '12	ASF Level Monitor	Operate as is	3	Monitor give false LL conditions which cycles the pump	
Sept '12	Optimize PD flow	Leave as is	4	-change discharge & manifold plumbing -change out pump impellers -resize pumps - review plant flow requirements	
Nov. '12	Clean Process tanks	Clean when possible EQ, TW, ASF	4	Plant shutdown items: See below for completed tanks	
Ongoing	Non-Hazardous Waste Accumulation	8 metal drums shipped 12/11/13. Radioactivity detected at TSD facility. Disposition is to be determined.	3	Waste removal will be scheduled when sufficient quantity is accumulated.	
Jan '13	Rust spots on storage tank shells	Project has started, lower sections of the TW and EQ tanks have been prepped and spot primed	2	Rusted areas are to be abraded clean and spot painted	
May '13	Sump pump level control mountings are loose	float is secured to a submersed pipe until a tank entry is made	3		
July '13	Well caps (drive-over) are missing or damaged at EW-6c and EW-2c	Cap for EW- 2C fabricated and installed Covers at EW-6 laid in	2	one well is on golf course and one at the paper processor fabricate or purchase caps	
Aug '13	Sediment depositing in	Flow restricted to well.	3	Continue to restrict flow as necessary	

HRP Associates, Inc.

	IW-2	Continue to monitor well depth.		Monitor the well sounding for changes			
Sept '13	INF P3 does not respond to control switches	ot respond Manually shut down and		pump continues to run after shut off, even with opened switches at both MCP and HMI			
Dec '13	LCA vessels due for a carbon change out	3 venders have been contacted regarding the carbon change out of both vessels. 2 have responded with proposals	3	carbon is ~6 years old and last 2 waste shipments have shown low levels of radioactivity. 12000 (2) lb change out with reactivated carbon			
Recently completed Tasks	Condition	Remedy					
Nov. '12	Clean process flow monitoring systems	Ex cleaned 12/12 PD cleaned 1/3 IW cleaned12/11	3	Plant shutdown items: PD, INJ, INF, EX			
Dec. '12	AST media evaluation	Tower opened and media inspected 1/14	4	Iron sludge coating, media open - OK			
Dec '11	LCA vessel 2 - pin hole leaks	Repaired 2/14	3	Fully functional Feb '13			
Nov. '12	Clean Process tanks	Clean when possible EQ, RX-1, RX-2, ST-1	4	Tanks cleaned during shutdown: RX-1, RX2, CL1, CL2, ST1, ST2, GACF1 ASF1			
Dec. '12	LCA vessel 1 pinhole leaks	Repaired 2/15	3	Fully functional			
Dec. '12	EQ tank pin hole leaks	Repaired 2/19	2	Fully functional			
March '13	More EQ tank pin-hole leaks	Welder has been contacted to provide quote prior to NYSDEC approvals – Tank repaired(5/16)	1	5 leaks have been observed			
May '13	EX well capacity testing	Pump tests completed 6/227	2	Equipment may not support the tests as designed			
June '13	Flow control on EX discharge lines is not adequate.	Butterfly valves are shut off valves not control valves Globe valves were installed. Flanged connections replaced BF valve immediately downstream of flow element. BF shut off valve was moved as far down stream as possible.	1	Install globe upstream of flow elements. Re-plumb as possible to move disturbances away from flow element			
July '13	Rotation of motors was reversed when repairs to broken power leads was made	Reverse wires in MCC Repairs made 7/17	1	possible damage to motors and impellers as well as low output			
Aug '13	Cracked flange on EX-3 flow meter piping	parts have been received Repairs Completed 8/28	2	in-house repair when practicable			
Sept '13	Leak in housing of INF P1	pump taken out of service 9/17 Pump housing welded, and reinstalled. Slight leak at shoulder facing - ok	3	requested prices on seal and housing			
Nov. '13	HMI computer to monitor communication has broken down	Various aspects of the system checked. Computer sent to HRP-CT	1	Upon restart of computer after an automatic software update, the monitor to computer link reads a power save			

Groundwater Treatment System O&M Activities Claremont Polychemical Superfund Site

Site # 130015

January 2014

	for testing Bad power supply replaced and unit returned to service 11/26	mode and cannot readily re-establish communication (?)

Priority Level

- 1- urgent and must be done
- 2- not urgent but must be done
- 3- not urgent but should be done4- not urgent but would like done

—PD pH

Table 14-1

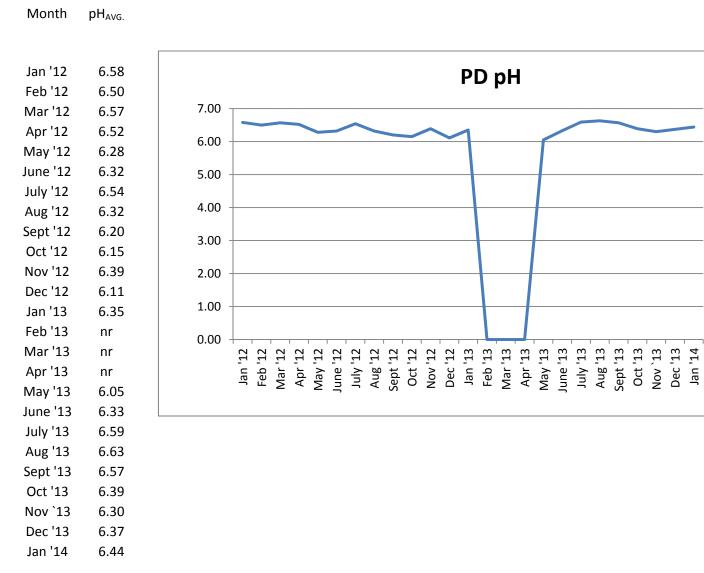


TABLE 14-2 Injection Well Soundings

This table contains selected dates and data

Nov '07 to Mar '08 -21.70

	1	d dates and da	ı					
	Injectio	on Well 1 Injection Well 2		on Well 2	Injectio	on Well 3	Injection Well 4	
Date	Depth to Bottom (ft)	Difference	Depth to Bottom (ft)	Difference	Depth to Bottom (ft)	Difference	Depth to Bottom (ft)	Difference
6/17/2004	248.50		248.50		253.20		205.00	
7/23/2004	247.97	-0.53	248.19	-0.31	251.20	-2.00	203.50	-1.50
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
10/25/2007	244.69	-1 10	242 08	0.12	2/18/73	1 02	200 1/	-0.15
11/19/2007	242.20	300.00						
12/21/2007	235.02							
1/29/2008	232.46							
2/29/2008	226.58	=						
3/27/2008	220.50			\		ì		
4/29/2008	222.50	200.00						
5/30/2008	218.55							
11/20/2008	198.05						\	•
12/29/2008	178.29							
1/26/2009	167.50						V	٧ .
2/25/2009	151.20							
3/13/2009	148.68	100.00	9 / /	00 00 00	0 0 1	7 2 8 8		n m m
9/21/2011	145.90	00	.003	8 8 8	00 00 00	12/2/2011 11/1/2012 1/2/2013	010	2013
10/7/2011	144.30	6/17/2004	2/16/2006 0/25/2007 2/21/2007	2/29/2008 4/29/2008 1/20/2008	9/5 3/2 1/2	2/2 1/2 2/2 6/3	8/2	4/5
11/17/2011	145.70							7 2. 21
		./9	2/1	2/2 4/2 1/2	1/26/2009 3/13/2009 10/7/2011	12/2/2011 11/1/2012 1/2/2013 2/26/2013	4/18/2013 6/27/2013 8/16/2013	0/27 0/24 1/25
12/2/2011	145.95	1						
9/20/2012	145.95 145.84	0.94	205.70	0.00	248.09	-0.01	197.10	-0.10
9/20/2012	145.95 145.84 145.95	0.94	205.70 205.15	0.00	248.09 248.00	-0.01 -0.09	197.10 197.00	-0.10 -0.10
9/20/2012 11/1/2012 11/16/2012	145.95 145.84 145.95 144.30	0.94 0.11 -1.65	205.70 205.15 203.90	0.00 -0.55 -1.25	248.09 248.00 248.15	-0.01 -0.09 0.15	197.10 197.00 197.00	-0.10 -0.10 0.00
9/20/2012 11/1/2012 11/16/2012 1/2/2013	145.95 145.84 145.95 144.30 145.90	0.94 0.11 -1.65 1.60	205.70 205.15 203.90 202.65	0.00 -0.55 -1.25 -1.25	248.09 248.00 248.15 248.10	-0.01 -0.09 0.15 -0.05	197.10 197.00 197.00 197.05	-0.10 -0.10 0.00 0.05
9/20/2012 11/1/2012 11/16/2012 1/2/2013 1/29/2013	145.95 145.84 145.95 144.30 145.90	0.94 0.11 -1.65 1.60 0.00	205.70 205.15 203.90 202.65 200.80	0.00 -0.55 -1.25 -1.25 -1.85	248.09 248.00 248.15 248.10 247.78	-0.01 -0.09 0.15 -0.05 -0.32	197.10 197.00 197.00 197.05 196.78	-0.10 -0.10 0.00 0.05 -0.27
9/20/2012 11/1/2012 11/16/2012 1/2/2013 1/29/2013 2/26/2013	145.95 145.84 145.95 144.30 145.90 145.90	0.94 0.11 -1.65 1.60 0.00 -0.20	205.70 205.15 203.90 202.65 200.80 199.10	0.00 -0.55 -1.25 -1.25 -1.85 -1.70	248.09 248.00 248.15 248.10 247.78 233.10	-0.01 -0.09 0.15 -0.05 -0.32 -14.68	197.10 197.00 197.00 197.05 196.78 196.76	-0.10 -0.10 0.00 0.05 -0.27 -0.02
9/20/2012 11/1/2012 11/16/2012 1/2/2013 1/29/2013 2/26/2013 3/18/2013	145.95 145.84 145.95 144.30 145.90 145.90 145.70	0.94 0.11 -1.65 1.60 0.00 -0.20 0.00	205.70 205.15 203.90 202.65 200.80 199.10	0.00 -0.55 -1.25 -1.25 -1.85 -1.70 0.00	248.09 248.00 248.15 248.10 247.78 233.10 247.95	-0.01 -0.09 0.15 -0.05 -0.32 -14.68 14.85	197.10 197.00 197.00 197.05 196.78 196.76 197.30	-0.10 -0.10 0.00 0.05 -0.27 -0.02 0.54
9/20/2012 11/1/2012 11/16/2012 1/2/2013 1/29/2013 2/26/2013 3/18/2013 4/18/2013	145.95 145.84 145.95 144.30 145.90 145.90 145.70 145.70 144.05	0.94 0.11 -1.65 1.60 0.00 -0.20 0.00 -1.65	205.70 205.15 203.90 202.65 200.80 199.10 199.10	0.00 -0.55 -1.25 -1.25 -1.85 -1.70 0.00 0.00	248.09 248.00 248.15 248.10 247.78 233.10 247.95 247.70	-0.01 -0.09 0.15 -0.05 -0.32 -14.68 14.85 -0.25	197.10 197.00 197.00 197.05 196.78 196.76 197.30	-0.10 -0.10 0.00 0.05 -0.27 -0.02 0.54 -0.05
9/20/2012 11/1/2012 11/16/2012 1/2/2013 1/29/2013 2/26/2013 3/18/2013 4/18/2013	145.95 145.84 145.95 144.30 145.90 145.90 145.70 145.70 145.70	0.94 0.11 -1.65 1.60 0.00 -0.20 0.00 -1.65 1.65	205.70 205.15 203.90 202.65 200.80 199.10 199.10 199.10	0.00 -0.55 -1.25 -1.25 -1.85 -1.70 0.00 0.00 -1.00	248.09 248.00 248.15 248.10 247.78 233.10 247.95 247.70 247.80	-0.01 -0.09 0.15 -0.05 -0.32 -14.68 14.85 -0.25 0.10	197.10 197.00 197.00 197.05 196.78 196.76 197.30 197.25 198.43	-0.10 -0.10 0.00 0.05 -0.27 -0.02 0.54 -0.05 1.18
9/20/2012 11/1/2012 11/16/2012 1/2/2013 1/29/2013 2/26/2013 3/18/2013 4/18/2013 5/14/2013 6/27/2013	145.95 145.84 145.95 144.30 145.90 145.90 145.70 145.70 145.70 144.05 145.70	0.94 0.11 -1.65 1.60 0.00 -0.20 0.00 -1.65 1.65 -0.15	205.70 205.15 203.90 202.65 200.80 199.10 199.10 198.10 198.10	0.00 -0.55 -1.25 -1.25 -1.85 -1.70 0.00 0.00 -1.00 0.00	248.09 248.00 248.15 248.10 247.78 233.10 247.95 247.70 247.80 247.80	-0.01 -0.09 0.15 -0.05 -0.32 -14.68 14.85 -0.25 0.10 0.00	197.10 197.00 197.00 197.05 196.78 196.76 197.30 197.25 198.43 198.43	-0.10 -0.10 0.00 0.05 -0.27 -0.02 0.54 -0.05 1.18 0.00
9/20/2012 11/1/2012 11/16/2012 1/2/2013 1/29/2013 2/26/2013 3/18/2013 4/18/2013 5/14/2013 6/27/2013 7/29/2013	145.95 145.84 145.95 144.30 145.90 145.90 145.70 145.70 144.05 145.70 145.55 145.60	0.94 0.11 -1.65 1.60 0.00 -0.20 0.00 -1.65 1.65 -0.15 0.05	205.70 205.15 203.90 202.65 200.80 199.10 199.10 198.10 198.10 135.80	0.00 -0.55 -1.25 -1.25 -1.85 -1.70 0.00 0.00 -1.00 0.00 -62.30	248.09 248.00 248.15 248.10 247.78 233.10 247.95 247.70 247.80 247.80	-0.01 -0.09 0.15 -0.05 -0.32 -14.68 14.85 -0.25 0.10 0.00 0.00	197.10 197.00 197.00 197.05 196.78 196.76 197.30 197.25 198.43 198.43	-0.10 -0.10 0.00 0.05 -0.27 -0.02 0.54 -0.05 1.18 0.00 -2.16
9/20/2012 11/1/2012 11/16/2012 1/2/2013 1/29/2013 2/26/2013 3/18/2013 4/18/2013 5/14/2013 6/27/2013 7/29/2013 8/16/2013	145.95 145.84 145.95 144.30 145.90 145.90 145.70 145.70 144.05 145.70 145.70 145.60 144.00	0.94 0.11 -1.65 1.60 0.00 -0.20 0.00 -1.65 1.65 -0.15 0.05 -1.60	205.70 205.15 203.90 202.65 200.80 199.10 199.10 198.10 198.10 135.80	0.00 -0.55 -1.25 -1.85 -1.70 0.00 0.00 -1.00 0.00 -62.30 20.40	248.09 248.00 248.15 248.10 247.78 233.10 247.95 247.70 247.80 247.80 247.80	-0.01 -0.09 0.15 -0.05 -0.32 -14.68 14.85 -0.25 0.10 0.00 0.00 0.04	197.10 197.00 197.00 197.05 196.78 196.76 197.30 197.25 198.43 198.43 196.27	-0.10 -0.10 0.00 0.05 -0.27 -0.02 0.54 -0.05 1.18 0.00 -2.16 -0.67
9/20/2012 11/1/2012 11/16/2012 1/2/2013 1/29/2013 2/26/2013 3/18/2013 4/18/2013 5/14/2013 6/27/2013 7/29/2013 8/16/2013 9/25/2013	145.95 145.84 145.95 144.30 145.90 145.90 145.70 145.70 145.70 144.05 145.55 145.60 144.00 144.50	0.94 0.11 -1.65 1.60 0.00 -0.20 0.00 -1.65 1.65 -0.15 0.05 -1.60 0.50	205.70 205.15 203.90 202.65 200.80 199.10 199.10 198.10 198.10 135.80 156.20 130.34	0.00 -0.55 -1.25 -1.25 -1.85 -1.70 0.00 0.00 -1.00 0.00 -62.30 20.40 -25.86	248.09 248.00 248.15 248.10 247.78 233.10 247.95 247.70 247.80 247.80 247.80 247.84	-0.01 -0.09 0.15 -0.05 -0.32 -14.68 14.85 -0.25 0.10 0.00 0.00 0.04 0.00	197.10 197.00 197.00 197.05 196.78 196.76 197.30 197.25 198.43 198.43 196.27 195.60	-0.10 -0.10 0.00 0.05 -0.27 -0.02 0.54 -0.05 1.18 0.00 -2.16 -0.67 0.00
9/20/2012 11/1/2012 11/16/2012 1/2/2013 1/29/2013 2/26/2013 3/18/2013 4/18/2013 5/14/2013 6/27/2013 7/29/2013 8/16/2013 9/25/2013 10/24/2013	145.95 145.84 145.95 144.30 145.90 145.90 145.70 145.70 144.05 145.70 145.55 145.60 144.00 144.50 144.00	0.94 0.11 -1.65 1.60 0.00 -0.20 0.00 -1.65 1.65 -0.15 0.05 -1.60 0.50	205.70 205.15 203.90 202.65 200.80 199.10 199.10 198.10 198.10 135.80 156.20 130.34	0.00 -0.55 -1.25 -1.25 -1.85 -1.70 0.00 0.00 -1.00 0.00 -62.30 20.40 -25.86 25.66	248.09 248.00 248.15 248.10 247.78 233.10 247.95 247.70 247.80 247.80 247.84 247.84	-0.01 -0.09 0.15 -0.05 -0.32 -14.68 14.85 -0.25 0.10 0.00 0.00 0.04 0.00 -0.64	197.10 197.00 197.00 197.05 196.78 196.76 197.30 197.25 198.43 196.27 195.60 195.60	-0.10 -0.10 0.00 0.05 -0.27 -0.02 0.54 -0.05 1.18 0.00 -2.16 -0.67 0.00 -0.80
9/20/2012 11/1/2012 11/16/2012 1/2/2013 1/29/2013 2/26/2013 3/18/2013 4/18/2013 5/14/2013 6/27/2013 7/29/2013 8/16/2013 9/25/2013 10/24/2013	145.95 145.84 145.95 144.30 145.90 145.90 145.70 145.70 145.70 145.70 145.55 145.60 144.00 144.50 144.00	0.94 0.11 -1.65 1.60 0.00 -0.20 0.00 -1.65 1.65 -0.15 0.05 -1.60 0.50 -0.50 -0.50 0.00	205.70 205.15 203.90 202.65 200.80 199.10 199.10 198.10 198.10 135.80 156.20 130.34 156.00	0.00 -0.55 -1.25 -1.25 -1.85 -1.70 0.00 -0.00 -1.00 0.00 -62.30 20.40 -25.86 25.66 0.00	248.09 248.00 248.15 248.10 247.78 233.10 247.95 247.70 247.80 247.80 247.84 247.84 247.20	-0.01 -0.09 0.15 -0.05 -0.32 -14.68 14.85 -0.25 0.10 0.00 0.00 0.04 0.00 -0.64 0.00	197.10 197.00 197.00 197.05 196.78 196.76 197.25 198.43 198.43 196.27 195.60 194.80	-0.10 -0.10 0.00 0.05 -0.27 -0.02 0.54 -0.05 1.18 0.00 -2.16 -0.67 0.00 -0.80 0.00
9/20/2012 11/1/2012 11/16/2012 1/2/2013 1/29/2013 2/26/2013 3/18/2013 4/18/2013 5/14/2013 6/27/2013 7/29/2013 8/16/2013 9/25/2013 10/24/2013 10/24/2013	145.95 145.84 145.95 144.30 145.90 145.90 145.70 145.70 145.70 145.70 145.55 145.60 144.00 144.00 144.00 144.00	0.94 0.11 -1.65 1.60 0.00 -0.20 0.00 -1.65 1.65 -0.15 0.05 -1.60 0.50 -0.50 0.00	205.70 205.15 203.90 202.65 200.80 199.10 199.10 198.10 135.80 156.20 130.34 156.00 153.14	0.00 -0.55 -1.25 -1.25 -1.85 -1.70 0.00 0.00 -1.00 0.00 -62.30 20.40 -25.86 0.00 -2.86	248.09 248.00 248.15 248.10 247.78 233.10 247.95 247.70 247.80 247.80 247.84 247.84 247.20 247.20	-0.01 -0.09 0.15 -0.05 -0.32 -14.68 14.85 -0.25 0.10 0.00 0.00 0.04 0.00 -0.64 0.00 0.30	197.10 197.00 197.00 197.05 196.78 196.76 197.30 197.25 198.43 198.43 196.27 195.60 194.80 194.80 193.20	-0.10 -0.10 0.00 0.05 -0.27 -0.02 0.54 -0.05 1.18 0.00 -2.16 -0.67 0.00 -0.80 0.00 -1.60
9/20/2012 11/1/2012 11/16/2012 1/2/2013 1/29/2013 2/26/2013 3/18/2013 4/18/2013 5/14/2013 6/27/2013 7/29/2013 8/16/2013 9/25/2013 10/24/2013	145.95 145.84 145.95 144.30 145.90 145.90 145.70 145.70 145.70 145.70 145.55 145.60 144.00 144.50 144.00	0.94 0.11 -1.65 1.60 0.00 -0.20 0.00 -1.65 1.65 -0.15 0.05 -1.60 0.50 -0.50 -0.50 0.00	205.70 205.15 203.90 202.65 200.80 199.10 199.10 198.10 198.10 135.80 156.20 130.34 156.00	0.00 -0.55 -1.25 -1.25 -1.85 -1.70 0.00 -0.00 -1.00 0.00 -62.30 20.40 -25.86 25.66 0.00	248.09 248.00 248.15 248.10 247.78 233.10 247.95 247.70 247.80 247.80 247.84 247.84 247.20	-0.01 -0.09 0.15 -0.05 -0.32 -14.68 14.85 -0.25 0.10 0.00 0.00 0.04 0.00 -0.64 0.00	197.10 197.00 197.00 197.05 196.78 196.76 197.25 198.43 198.43 196.27 195.60 194.80	-0.10 -0.10 0.00 0.05 -0.27 -0.02 0.54 -0.05 1.18 0.00 -2.16 -0.67 0.00 -0.80 0.00
9/20/2012 11/1/2012 11/16/2012 1/2/2013 1/29/2013 2/26/2013 3/18/2013 4/18/2013 5/14/2013 6/27/2013 7/29/2013 8/16/2013 9/25/2013 10/24/2013 10/24/2013	145.95 145.84 145.95 144.30 145.90 145.90 145.70 145.70 145.70 145.70 145.55 145.60 144.00 144.00 144.00 144.00	0.94 0.11 -1.65 1.60 0.00 -0.20 0.00 -1.65 1.65 -0.15 0.05 -1.60 0.50 -0.50 0.00	205.70 205.15 203.90 202.65 200.80 199.10 199.10 198.10 135.80 156.20 130.34 156.00 153.14 154.60	0.00 -0.55 -1.25 -1.25 -1.85 -1.70 0.00 0.00 -1.00 0.00 -62.30 20.40 -25.86 0.00 -2.86	248.09 248.00 248.15 248.10 247.78 233.10 247.95 247.70 247.80 247.80 247.84 247.84 247.20 247.20	-0.01 -0.09 0.15 -0.05 -0.32 -14.68 14.85 -0.25 0.10 0.00 0.00 0.04 0.00 -0.64 0.00 0.30	197.10 197.00 197.00 197.05 196.78 196.76 197.30 197.25 198.43 198.43 196.27 195.60 194.80 194.80 193.20	-0.10 -0.10 0.00 0.05 -0.27 -0.02 0.54 -0.05 1.18 0.00 -2.16 -0.67 0.00 -0.80 0.00 -1.60

-0.10

-0.10

-1.75

Associated and Referenced Documents

Document	Location
Daily Worksheets	Original paper copies in monthly file folders at plant.
Daily Operating Log	Electronic copies on Farmington Server:
Daily activities Summary Report	>Claremont Data>year>month>month daily worksheets
Daily Site Safety Inspection	
Employee Sign-in Sheet	
Supporting Worksheets	Original paper copies in monthly file folders at plant.
	Electronic copies on Farmington Server
Visitor/Subcontractor Sign-in Sheet	
Air Monitoring Log	
Sound Monitoring Worksheet	
Daily Plant Activity Notes	
Comprehensive Site Safety Inspections	
Plant Operator's Daily Log Book	Current book issued to operator, completed books on file
	in shop cabinet
Site Supervisor's Daily Log Book	Current book issued to supervisor, completed books on
	file in shop cabinet
Daily Database	Current database is an Electronic file on site, in
	Claremont Docs/Claremont Ops Data/ monthly folder.
	Past docs on server: > Claremont Data>yr>month>
Daily Operations Summary Report	Current report is an Electronic file on site, in Claremont
	Docs/Claremont Ops Data/ monthly folder.
	Past docs on server: > Claremont Data>yr>month>
Monthly O&M Report	Electronic file on server: >Claremont Data>yr>month>
Monthly Maintenance Log	Electronic file on server: > Claremont Data>yr>month>
Project Status Report formerly Activities	Electronic file on server: >Claremont Data>yr>month>
Schedule	
Groundwater Elevation and Water Quality	Electronic file on server: >Operating data
Database	
Monthly Plant Truck Inspection Worksheet	Electronic file on server: >Claremont Data>yr>month>
Stand Alone Documents	Bindered copies in control room,
Claremont O&M Manual	electronic copies on server> Stand Alone Documents
Site Safety and Health Plan	
Standard Operating Procedures and Instruction	
manual	
Sampling and Analysis Plan	
Log of Operating System Drawings	
Sampling forms	Electronic file on server: >Sampling> Sampling Forms
Chain of Custody Documents	Electronic File on server: >Sampling> yr>mo
Claremont Site Notebook	Electronic file on server : >Stand alone documents>
	Claremont notebook

Associated documents and worksheets used to generate this report can also be found on shared folder' CPC Monthly Logs from Plant'