

MEMO

| То: | Nevada Division of Environmental Protection Nevada Environmental Response Trust |
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| Cc: | Nevada Environmental Response Trust Stakeholders |
| From: | David Bohmann, Deena Garland |
| Date: | January 20, 2016 |
| Subject: | NERT – GWETS Operation Monthly Report – December 2015 |

At the request of the Nevada Environmental Response Trust (Trust), Tetra Tech, Inc. (Tetra Tech) provides this summary of the groundwater extraction and treatment system (GWETS) operation and oversight tasks performed during December 2015.

Summary of GWETS Operation

Envirogen Technologies, Inc. (ETI) reports that the GWETS mechanically operated normally in December 2015 with the exception of the Fluidized Bed Reactor (FBR) plant interruption events described in more detail below. The flow rate to the plant averaged approximately 894 gallons per minute (gpm) during December 2015. At the end of the month, the GW-11 Pond volume was 43.4 million gallons (MG), which would allow 13.2 days of available additional storage in event of an emergency plant shutdown with continued well field pumping. The water volume stored in the GW-11 Pond increased approximately 0.3 MG from the end of November. Figure 1 in this report depicts the actual and projected GW-11 pond volumes and additional storage available.

The influent perchlorate concentration to the FBR plant averaged 76 mg/L for the month, with a maximum concentration of 85 mg/L.

Analytical data indicate that the permitted effluent discharges at GWETS Outfall 001 were within the NPDES permitted numerical discharge limits (Please see Attachment A, prepared by ENVIRON).

Enhanced Operational Metrics

Tetra Tech testing and transfer of operations to ETI was completed in December. The completion of punch list items and other administrative project close out matters will continue into January 2016. Final project items are presented in more detail under the GWETS Upgrades and Facility Projects section below.

Tables 1 and 2 provide a summary of the current GWETS operational metrics that provide data for flow rates, perchlorate and chromium concentrations, and mass removal. Figure 2 presents historical perchlorate and chromium mass flux.

Operational Issues

All routine plant repairs conducted by ETI were performed in accordance with the NERT Perchlorate Treatment System Henderson, Nevada Operations Manual. The following is a list of operational issues and major repairs and/or equipment replaced during this reporting period.

1. GW-11 Pond

- GW-11 Pond Leak Detection System: Tetra Tech prepared a procedure for repair of the NE sump riser pipe and reinforcement of the NW, SE, and SW sump riser pipes. The Trust is currently in discussion with Envirogen to implement the proposed repairs.
- Boatman Bugs: Windy and rainy conditions at the site caused stirring of GW-11 and created pond conditions that supported a Boatman Bug population bloom. The bloom lasted for five days and plugged the automatic strainers. GW-11 was bypassed and the strainers were offline for five days until the bug population declined enough to resume normal operations on December 17, 2015.

2. Biological Plant

- Power Shut Down: The operation of the FBRs was interrupted by more than 6-hours on December 7, 2015. The interruption was due to accidental power shut down of the biological plant PLC while attempting to reset a breaker associated with the exterior lights on the FBR pad. While the plant was down, ETI diverted effluent flow to GW-11 until normal operations resumed on December 8 at 5:15am to avoid any excursions of the NPDES effluent permit limits. NDEP received email notification of this shut down on December 10, 2015.
- Planned Shut Down: The biological plant experienced a planned shut down on December 10, 2015 to allow for maintenance activities to be completed on a leaking pipe under one of the Granulated Activated Carbon (GAC) units within the secondary containment structure at the EQ area. NDEP received advance notification of this planned shut down on the morning of December 10, 2015.

3. Spill

No reportable spills occurred in December 2015.

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4. Maintenance

- Major maintenance that was performed or completed in the month included:
 - i. ETI added new fittings and a hose to PC99R3.
 - ii. ETI installed a new motor and pump on well I-AR.
 - iii. ETI installed the P1302B pump and motor.
- Preventative Maintenance completed or being performed in the month included:
 - i. New gaskets were installed on a valve on the withdrawal piping from GW-11 going to P-101A and B.
 - ii. Packing was added and tightened on the SLMW flush valve for the GACs.
 - iii. A new backflush actuator was installed on the strainer.
 - iv. Media Return Pump P3011 was rebuilt and is back online.
 - v. The DAF Vessel D-551 was drained and inspected.
 - vi. The seal for DAF Pressure Pump P551 seal was received and installed.
 - vii. The Effluent Booster Pump P-1302B and motor were installed.
 - viii. ETI added a water system to the polymer mixer at the DAF to improve flow through the static mixer.
 - ix. ETI installed a manual bleed valve on the Compressed Air Receiver Tank until a new switch is received.
- Outstanding or ongoing maintenance and repairs from the previous month are outlined below:
 - i. FBRs 7 and 8 are currently in the rehabilitation process and all forward flow is being sent to FBRs 5 and 6.
 - ii. The pneumatic cylinder on the East Filter Press needs to be serviced. ETI is currently in the process of replacing the airlines to the plate switch. The press can still operate and the plates can be moved manually while work is being completed.

GWETS Upgrades and Facility Projects

The following is a summary of the initiatives in-progress during the reporting period at the direction of the Trust:

1. AP-5 Solids Removal

Tetra Tech is moving forward with the design to remove the AP-5 pond solids, wash the solids to remove perchlorate salts, and relocate the perchlorate containing water to a large storage tank for eventual treatment in the GWETS. Evaluation and coordination between Tetra Tech, ETI, the Trust and NDEP on this project is ongoing. Additional AP-5 material sampling for off-site analysis and testing was conducted the week of December 7. Tank purchase is on hold pending test results.

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2. Enhanced Operational Metrics

Testing and transfer of operations to ETI was completed on December 18, 2015. The punch-List is being finalized for resolution of remaining items. Spare parts, Operation and Maintenance Manuals and As-Built documents for close-out are being prepared to issue to ETI.

Equipment Availability Tracking

ETI operators continue to update the equipment tracking form on a weekly basis at a minimum, or whenever there is a change in the status of key equipment. During regular site visits, Tetra Tech field personnel verify the entries on the form, including both the operating status and confirming the inventory of required shelf spares. The equipment tracking form submitted by ETI to Tetra Tech on December 29, 2015 is included as Attachment B.

GWETS Staffing

ETI continues with 24-hour staffing of the GWETS at the direction of the Trust and continues to follow the security procedures in the Standard Operating Procedures (SOP).

GWETS Security

During weekly calls, ETI notifies Tetra Tech of any issues with GWETS security. There were no GWETS security issues reported during the month of December.

Tetra Tech Activities

Tetra Tech conducted calls with ETI to review operation of the GWETS on December 3rd, 10th, and 17th. No call was held on Christmas Eve or New Year's Eve. Kyle Hansen, CEM, performed the GWETS oversight and review activities on December 7th, 14th, 21st, and 28th. Mr. Hansen also reviewed permit and sampling forms for the entire month to ensure each form was correct and up-to-date, checked equipment status, and verified shelf spare inventory.

Summary

Based on our review of available and relevant information, Tetra Tech concurs with ETI's management of the GWETS during the reporting period. No additional involvement from either the Trust or Tetra Tech is recommended at this time.

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Tables Operational Metrics

| Nevada Environme | Nevada Environmental Response Trust Groundwater Extraction and Treatment System Monthly Stakeholder Metrics | | | | | | | | | | | |
|-----------------------------------|---|---------------------------------|---------------------------------|------------------------------------|--|--|--|--|--|--|--|--|
| Location ID | Average Flow Rate (gpm) | Perchlorate (mg/L) ² | Chromium TR (mg/L) ² | Chromium(VI) (mg/L) ^{2,5} | | | | | | | | |
| SWF Total Extraction ³ | 518¹ | 12 | 0.002 | Future Metric | | | | | | | | |
| AWF Total Extraction ³ | 270¹ | 158 | 0.37 | Future Metric | | | | | | | | |
| IWF Total Extraction ³ | 58¹ | 866 | 7.56 | Future Metric | | | | | | | | |
| GWTP Effluent⁴ | 56 | 799 | 0.21 | ND | | | | | | | | |
| GW-11 Influent | 694 | 110 | 0.13 | 0.045 | | | | | | | | |
| GW-11 Effluent/ FBR Influent⁴ | 894 | 76 | 0.04 | ND | | | | | | | | |

Notes:

TR = Total Recoverable; ND = not detectable above laboratory method detection limit (Chromium (VI) = 0.25 ug/L).

- 1: Sum of daily average flow for individual wells.
- 2: All concentrations reported are monthly flow weighted averages.
- 3: Perchlorate and chromium TR sampled monthly, values reported from TestAmerica.
- 4: Perchlorate, chromium TR and chromium (VI) sampled weekly, values reported from TestAmerica.
- 5: Hexavalent chromium will be analyzed and reported monthly beginning in 2016.

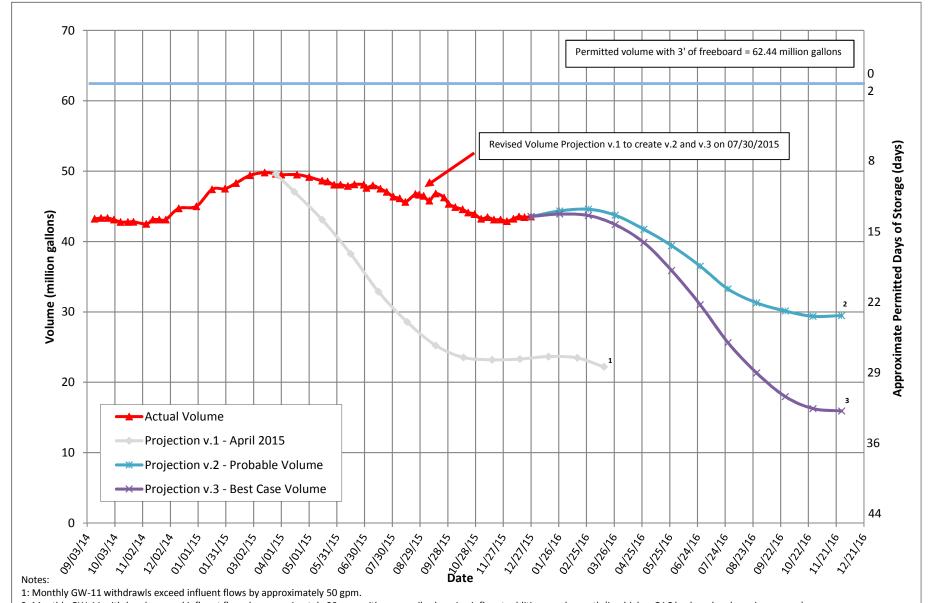
| Nevada Environmen | Nevada Environmental Response Trust Groundwater Extraction and Treatment System Monthly Stakeholder Metrics | | | | | | | | | | |
|-----------------------------|---|--------------------------------------|--|--|--|--|--|--|--|--|--|
| Location ID | Perchlorate (lbs/month) ¹ | Chromium TR (lbs/month) ¹ | | | | | | | | | |
| SWF Total Extraction | 2,377 | 0 | | | | | | | | | |
| AWF Total Extraction | 15,907 | 37 | | | | | | | | | |
| IWF Total Extraction | 17,519 | 153 | | | | | | | | | |
| GWTP Effluent | 16,817 | 4 | | | | | | | | | |
| GW-11 Influent | 28,469 | 34 | | | | | | | | | |
| GW-11 Effluent/FBR Influent | 19,615 | 11 | | | | | | | | | |

Notes:

TR = Total Recoverable.

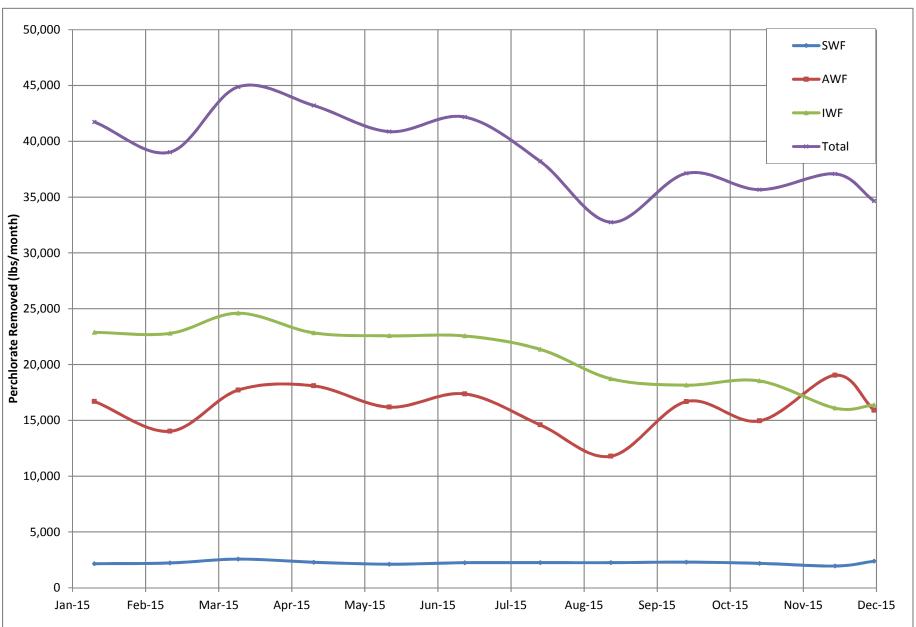
1: Total lbs extracted is calculated from flow weighted average concentration and average flow (see Table 1).

Figures Operational Metrics



- 2: Monthly GW-11 withdrawls exceed influent flows by approximately 20 gpm with seasonally changing influent additions each month (ie.- higher GAC backwash volume in summer).
- 3: Monthly GW-11 withdrawls exceed influent flows by approximately 50 gpm with an assumed 2.8 million gallons of influent additions each month.
- 4: Monthly evaporation was calculated using Shevenell, 1996. Statewide Potential Evapotranspiration Maps for Nevada. Nevada Bureau of Mines and Geology Report 48. University of Nevada Reno.
- 5: Average monthly rainfall was estimated from rain gage 4774 data on TIMET property.

Figure 2 - Historical Perchlorate Mass Flux



Note: Total perchlorate shown on this graph was calculated from the sum of perchlorate extracted from wells. It should be noted that due to the accuracy of existing flow meters, this total may not align with total perchlorate reported in FBR influent flow.

Attachment A

NPDES Tracking Sheet (Prepared by ENVIRON)

WORKING TRACKING SPREADSHEET Analytes with Numerical Discharge Limits - NPDES Permit NV0023060 DRAFT - NOT TO BE SUBMITTED TO AGENCY

| | Cont | inuous | Daily samples, co | mposited weekly | | | | | | | Weekly san | nples | | | Week | y samples, collec | ted separately | Quarterl | ly sample |
|-------------------------------|----------------------|------------------------|-----------------------|--------------------------|---|-----------------------|------------------------|----------------------|-----------------------|--------------------------|-----------------------|----------------------------|--------------------------|--------------------------|----------------|--------------------------|----------------------------|-----------------------|--------------------------|
| | Flov | v Rate | Perchl | lorate | | рН | Hexavalent Chromium | Total Chromium | - | ended Solids SS) | Tot | al Iron | Total Ammonia as N | Total Phosphorus as P | | BOD ₅ (inhibi | ted) | Mang | ganese |
| | 30-Day Avg. (MGD) | Daily Maximum (MGD) | 30-Day Avg. (ug/L) | 30-Day Avg. (lbs/day) | | 30-Day Avg. (S.U.) | Daily Max. (mg/L) | Daily Max. (mg/L) | 30-Day Avg. (mg/L) | 30-Day Avg. (lbs/day) | 30-Day Avg. (mg/L) | . 30-Day Avg. (lbs/day) | 30-Day Avg. (Ibs/day) | 30-Day Avg. (lbs/day) | 30-Day (mg/ | | . 30-Day Avg. (lbs/day) | 30-Day Avg. (mg/L) | 30-Day Avg. (lbs/day) |
| | 1.45 | 1.75 | 18 | 0.22 | | 6.5 to 9.0 | 0.01 | 0.1 | 135 | 1,634 | 10 | 121.03 | 40 | 20 | 25 | 40 | 254 | 5 | 60.52 |
| January 2015 | 1.20 | 1.39 | 1.3 | 0.013 | | 6.59 | 0.00013 | 0.021 | 25 | 250 | 4.1 | 40 | 2.6 | 1.5 | 3.7 | 6.0 | 37 | 0.20 | 2.1 |
| February 2015 | 1.34 | 1.42 | 1.3 | 0.014 | | 6.85 | 0.00013 | 0.029 | 21 | 230 | 3.3 | 37 | 2.5 | 1.6 | 6 | 13 | 69 | | |
| March 2015 | 1.32 | 1.38 | 1.3 | 0.014 | | 6.71 | 0.00013 | 0.043 | 26 | 280 | 4.9 | 54 | 7.4 | 2.0 | 4.6 | 9.2 | 49 | | |
| April 2015 | 1.30 | 1.34 | 1.3 | 0.014 | | 6.83 | 0.00013 | 0.0080 | 13 | 140 | 3.4 | 36 | 3.4 | 1.4 | 1.9 | 2.9 | 21 | 0.090 | 0.93 |
| May 2015 | 1.23 | 1.29 | 1.3 | 0.013 | | 6.52 | 0.00034 | 0.0060 | 13 | 130 | 3.6 | 37 | 2.4 | 0.7 | 0.6 | 1.1 | 6.4 | | |
| June 2015 | 1.21 | 1.32 | 1.3 | 0.012 | | 6.84 | 0.00013 | 0.013 | 17 | 170 | 4.1 | 41 | 4.0 | 2.0 | 2.3 | 2.6 | 23 | | |
| July 2015 | 1.24 | 1.37 | 1.3 | 0.013 | | 6.88 | 0.00013 | 0.0049 | 13 | 130 | 3.2 | 32 | 2.1 | 1.0 | 1.4 | 1.8 | 14 | 0.14 | 1.5 |
| August 2015 | 1.31 | 1.38 | 1.3 | 0.014 | | 6.94 | 0.00013 | 0.011 | 18 | 200 | 3.6 | 40 | 1.6 | 1.8 | 3.7 | 5.9 | 40 | | |
| September 2015 | 1.35 | 1.51 | 1.3 | 0.014 | | 6.98 | 0.00013 | 0.098 | 7 | 84 | 1.5 | 17 | 2.1 | 1.7 | 2.2 | 3.2 | 24 | | |
| October 2015 | 1.37 | 1.54 | 1.3 | 0.014 | | 7.08 | 0.00029 | 0.0059 | 13 | 150 | 2.6 | 30 | 2.7 | 0.7 | 1.4 | 1.7 | 16 | 0.23 | 2.8 |
| November 2015 | 1.34 | 1.44 | 1.3 | 0.014 | • | 7.12 | 0.00013 | 0.014 | 13 | 150 | 2.6 | 30 | 1.6 | 0.9 | 3.7 | 6.2 | 41 | | |
| December 2015 (month to date) | 1.32 | 1.43 | 1.3 | 0.013 | • | 6.86 | 0.00013 | 0.0082 | 19 | 200 | 2.7 | 28 | 5.9 | 0.71 | 4.6 | 7.7 | 50 | | |

| Daily Grab | Composite | | ug/L | lbs/day | Sample Date | S.U. | mg/L | mg/L | mg/L | lbs/day | mg/L | lbs/day | | mg/L | lbs/day | | mg/L | lbs/day | Sample Date | mg/L | lbs/day | mg/L | lbs/day |
|----------------------------|------------------------|------------------------|------------|----------------|------------------------|--------------|--------------------------------|----------------|----------|------------|------------|----------|----------------|--------------|-------------|-------------|--------------|------------|------------------------|-----------------|----------|-------|---------|
| Sample Dates | Sample Date | ND (-2.5) | | | · · | | | | | | | | | | | | | | - | | | | |
| 1/4 - 1/10 | 1/10/2015 1/17/2015 | ND (<2.5) | 1.3 | 0.010 | 1/5/2015 | 6.53 6.64 | ND (<0.00025) | 0.021 | 24 | 201 | 4.8 | 40 | ND (<0.10) | 0.94 | 7.9 | | 0.083 | 0.69 | 1/7/2015 | 3.1 3.9 | 26 39 | 0.20 | 2.1 |
| 1/11 - 1/17 1/18 - 1/24 | 1/24/2015 | ND (<2.5) ND (<2.5) | 1.3 | 0.013 0.014 | 1/12/2015 1/19/2015 | 6.65 | ND (<0.00025) | 0.019 0.018 | 19 25 | 192 276 | 3.9 3.4 | 39 38 | (<0.10) | 0.05 0.13 | 0.51 1.4 | | 0.16 0.16 | 1.6 1.8 | 1/14/2015 | 1.8 | 20 | | , |
| 1/25 - 1/31 | 1/31/2015 | ND (<2.5) ND (<2.5) | 1.3 1.3 | 0.014 | 1/26/2015 | 6.54 | ND (<0.00025) ND (<0.00025) | 0.018 | 30 | 316 | 4.1 | 43 | ND (<0.10) | 0.15 | 0.53 | | 0.16 | 1.8 | 1/21/2015 1/28/2015 | 6.0 | 63 | | , |
| 2/1 - 2/7 | 2/7/2015 | ND (<2.5) | 1.3 | 0.013 | 2/2/2015 | 6.90 | ND (<0.00025) | 0.019 | 11 | 121 | 1.6 | 18 | | 0.20 | 2.2 | | 0.17 | 1.3 | 2/4/2015 | 4.5 | 49 | | |
| 2/8 - 2/14 | 2/14/2015 | ND (<2.5) | 1.3 | 0.014 | 2/9/2015 | 6.67 | ND (<0.00025) | 0.024 | 17 | 196 | 0.66 | 7.6 | | 0.33 | 3.8 | | 0.27 | 3.1 | 2/11/2015 | 5.7 | 66 | | , |
| 2/15 -2/21 | 2/21/2015 | ND (<2.5) | 1.3 | 0.014 | 2/17/2015 | 6.97 | ND (<0.00025) | 0.0064 | 19 | 212 | 3.9 | 44 | | 0.21 | 2.3 | | 0.067 | 0.75 | 2/18/2015 | 1.5 | 17 | | ŀ |
| 2/22 - 2/28 | 2/28/2015 | ND (<2.5) | 1.3 | 0.014 | 2/23/2015 | 6.85 | ND (<0.00025) | 0.029 | 36 | 401 | 7.1 | 79 | | 0.16 | 1.8 | | 0.12 | 1.3 | 2/25/2015 | 13 | 145 | | , |
| 3/1 - 3/7 | 3/7/2015 | ND (<2.5) | 1.3 | 0.013 | 3/2/2015 | 6.82 | ND (<0.00025) | 0.043 | 42 | 441 | 4.9 | 51 | | 0.22 | 2.3 | | 0.25 | 2.6 | 3/5/2015 | 9.2 | 97 | | |
| 3/8 - 3/14 | 3/14/2015 | ND (<2.5) | 1.3 | 0.014 | 3/9/2015 | 6.89 | ND (<0.00025) | 0.011 | 26 | 296 | 4.8 | 55 | | 0.44 | 5.0 | | 0.46 | 5.2 | 3/11/2015 | 2.6 | 30 | | , |
| 3/15 - 3/21 | 3/21/2015 | ND (<2.5) | 1.3 | 0.014 | 3/16/2015 | 6.64 | ND (<0.00025) | 0.0071 | 23 | 257 | 5.0 | 56 | | 0.69 | 7.7 | | 0.066 | 0.74 | 3/18/2015 | 2.2 | 25 | | , |
| 3/22 - 3/28 | 3/28/2015 | ND (<2.5) | 1.3 | 0.014 | 3/23/2015 | 6.64 | ND (<0.00025) | 0.013 | 19 | 211 | 4.8 | 53 | | 0.71 | 7.9 | | 0.11 | 1.2 | 3/25/2015 | 4.2 | 47 | | , |
| 3/29 - 4/4 | 4/4/2015 | ND (<2.5) | 1.3 | 0.014 | 3/30/2015 | 6.55 | ND (<0.00025) | 0.0074 | 20 | 219 | 4.9 | 54 | | 1.3 | 14 | ND (<0.025) | 0.013 | 0.14 | 4/1/2015 | 2.7 | 30 | | |
| 4/5 - 4/11 | 4/11/2015 | ND (<2.5) | 1.3 | 0.013 | 4/6/2015 | 6.96 | ND (<0.00025) | 0.0057 | 18 | 193 | 4.7 | 50 | | 0.27 | 2.9 | | 0.13 | 1.4 | 4/8/2015 | 2.9 | 31 | | , |
| 4/12 - 4/18 | 4/18/2015 | ND (<2.5) | 1.3 | 0.014 | 4/13/2015 | 7.04 | ND (<0.00025) | 0.0080 | 4.7 | 52 | 0.38 | 4.2 | | 0.37 | 4.1 | | 0.28 | 3.1 | 4/15/2015 | 1.9 | 21 | 0.090 | 0.93 |
| 4/19 - 4/25 | 4/25/2015 | ND (<2.5) | 1.3 | 0.013 | 4/20/2015 | 6.62 | ND (<0.00025) | 0.0046 | 17 | 183 | 4.2 | 45 | | 0.55 | 5.9 | | 0.064 | 0.69 | 4/22/2015 | 0.85 | 9.1 | | , |
| 4/26 - 5/2 | 5/2/2015 | ND (<2.5) | 1.3 | 0.013 | 4/27/2015 | 6.69 | ND (<0.00025) | 0.0040 | 14 | 149 | 4.3 | 46 | ND (<0.10) | 0.05 | 0.53 | | 0.044 | 0.47 | 4/29/2015 | 1.2 | 13 | | , |
| 5/3 - 5/9 | 5/9/2015 | ND (<2.5) | 1.3 | 0.012 | 5/4/2015 | 6.61 | ND (<0.00025) | 0.0046 | 8.0 | 77 | 3.7 | 36 | | 0.22 | 2.1 | | 0.041 | 0.39 | 5/6/2015 | ND (<0.50) 0.25 | 2.4 | | |
| 5/10 - 5/16 | 5/16/2015 | ND (<2.5) | 1.3 | 0.013 | 5/12/12015 | 6.62 | ND (<0.00025) | 0.0046 | 12 | 127 | 3.9 | 41 | | 0.39 | 4.1 | | 0.098 | 1.0 | 5/13/2015 | 0.57 | 6.0 | | , |
| 5/17 - 5/23 | 5/23/2015 | ND (<2.5) | 1.3 | 0.013 | 5/18/2015 | 6.42 | 0.00034 | 0.0060 | 13 | 138 | 3.7 | 39 | | 0.11 | 1.2 | | 0.030 | 0.32 | 5/20/2015 | 1.1 | 12 | | , |
| 5/24 - 5/30 | 5/30/2015 | ND (<2.5) | 1.3 | 0.013 | 5/26/2015 | 6.44 | ND (<0.00025) | 0.0046 | 18 | 187 | 3.0 | 31 | | 0.23 | 2.4 | | 0.088 | 0.92 | 5/27/2015 | 0.52 | 5.4 | | , |
| 5/31 - 6/6 | 6/6/2015 | ND (<2.5) | 1.3 | 0.012 | 6/1/2015 | 6.57 | ND (<0.00025) | ND (<0.013) | 10 | 95 | 3.8 | 36 | | 0.24 | 2.3 | | 0.070 | 0.66 | 6/3/2015 | 2.6 | 25 | | |
| 6/7 - 6/13 | 6/13/2015 | ND (<2.5) | 1.3 | 0.013 | 6/8/2015 | 6.74 | ND (<0.00025) | 0.013 | 21 | 211 | 6.9 | 69 | | 0.91 | 9.1 | | 0.26 | 2.6 | 6/10/2015 | 1.6 | 16 | | , |
| 6/14 - 6/20 | 6/20/2015 | ND (<2.5) | 1.3 | 0.013 | 6/15/2015 | 7.21 | ND (<0.00025) | 0.0088 | 9.5 | 98 | 2.0 | 21 | | 0.27 | 2.8 | | 0.26 | 2.7 | 6/17/2015 | 2.6 | 27 | | , |
| 6/21 - 6/27 | 6/27/2015 | ND (<2.5) | 1.3 | 0.013 | 6/22/2015 | 6.98 | ND (<0.00025) | 0.0068 | 22 | 224 | 4.2 | 43 | | 0.18 | 1.8 | | 0.17 | 1.7 | 6/24/2015 | 2.3 | 23 | | |
| 6/28 - 7/4 | 7/4/2015 | ND (<2.5) | 1.3 | 0.013 | 6/29/2015 | 6.70 | ND (<0.00025) | 0.0061 | 23 | 240 | 3.6 | 38 | | 0.39 | 4.1 | | 0.22 | 2.3 | 7/1/2015 | 1.5 | 16 | | |
| 7/5 - 7/11 | 7/11/2015 | ND (<2.5) | 1.3 | 0.011 | 7/6/2015 | 6.79 | ND (<0.00025) | 0.0049 | 14 | 126 | 3.5 | 32 | | 0.20 | 1.8 | | 0.11 | 1.0 | 7/9/2015 | 0.93 | 8.4 | 0.14 | 1.5 |
| 7/12 - 7/18 | 7/18/2015 | ND (<2.5) | 1.3 | 0.014 | 7/14/2015 | 7.55 | ND (<0.00025) | ND (<0.0025) | 13 | 143 | 2.5 | 27 | | 0.19 | 2.1 | | 0.066 | 0.73 | 7/15/2015 | 1.5 | 16 | | , |
| 7/19 - 7/25 | 7/25/2015 | ND (<2.5) | 1.3 | 0.014 | 7/20/2015 | 6.48 | ND (<0.00025) | ND (<0.0025) | 9.4 | 105 | 2.7 | 30 | | 0.27 | 3.0 | | 0.063 | 0.70 | 7/22/2015 | 1.2 | 13 | | , |
| 7/26 - 8/1 | 8/1/2015 | ND (<2.5) | 1.3 | 0.013 | 7/27/2015 | 6.68 | ND (<0.00025) | 0.0046 | 15 | 154 | 3.9 | 40 | | 0.13 | 1.3 | - | 0.16 | 1.6 | 7/29/2015 | 1.8 | 19 | | |
| 8/2 - 8/8 | 8/8/2015 | ND (<2.5) | 1.3 | 0.014 | 8/3/2015 | 7.65 | ND (<0.00025) | 0.0048 | 18 | 202 | 3.7 | 42 | | 0.21 | 2.4 | | 0.13 | 1.5 | 8/5/2015 | 2.7 | 30 | | , |
| 8/9 - 8/15 | 8/15/2015 | ND (<2.5) | 1.3 | 0.013 | 8/11/2015 | 6.83 | ND (<0.00025) | 0.011 | 26 | 276 | 5.0 | 53 | | 0.25 | 2.7 | | 0.17 | 1.8 | 8/12/2015 | 5.9 | 63 | | , |
| 8/16 - 8/22 | 8/22/2015 | ND (<2.5) | 1.3 | 0.013 | 8/17/2015 | 6.66 | ND (<0.00025) | 0.0062 | 15 | 159 | 3.2 | 34 | | 0.20 | 2.1 | | 0.33 | 3.5 | 8/19/2015 | 3.1 | 33 | | , |
| 8/23 - 8/29 | 8/29/2015 | ND (<2.5) | 1.3 | 0.014 | 8/24/2015 | 6.84 | ND (<0.00025) | ND (<0.0025) | 14 | 156 | 3.4 | 38 | ND (<0.10) | 0.05 | 0.56 | | 0.11 | 1.2 | 8/26/2015 | 2.9 | 32 | | |
| 8/30 - 9/5 | 9/5/2015 | ND (<2.5) | 1.3 | 0.014 | 8/31/2015 | 6.73 | ND (<0.00025) | ND (<0.0025) | 18 | 195 | 2.9 | 31 | ND (<0.10) | 0.05 | 0.54 | | 0.11 | 1.2 | 9/2/2015 | 2.2 | 24 | | , |
| 9/6 - 9/12 | 9/12/2015 | ND (<2.5) | 1.3 | 0.013 | 9/8/2015 | 6.89 | ND (<0.00025) | 0.0070 | 2.9 | 31 | 2.6 | 28 | | 0.29 | 3.1 | | 0.28 | 3.0 | 9/9/2015 | 1.7 | 18 | | , |
| 9/13 - 9/19 | 9/19/2015 | ND (<2.5) | 1.3 | 0.014 | 9/14/2015 | 6.93 | ND (<0.00025) | 0.098 | 15 | 169 | 0.27 | 3.0 | ND (<0.10) | 0.05 | 0.56 | ND (<0.025) | 0.013 | 0.14 | 9/16/2015 | 3.2 | 36 | | ŀ |
| 9/20 - 9/26 | 9/26/2015 | ND (<2.5) | 1.3 | 0.015 | 9/21/2015 | 7.34 | ND (<0.00025) | 0.0038 | 3.7 | 44 | 1.9 | 22 | | 0.26 | 3.1 | | 0.092 | 1.1 | 9/23/2015 | 1.9 | 22 | | ! |
| 9/27 - 10/3 | 10/3/2015 | ND (<2.5) | 1.3 | 0.015 | 9/28/2015 | 6.75 | ND (<0.00025) | 0.0030 | 8.0 | 93 | 1.4 | 16 | | 0.13 | 1.5 | | 0.21 | 2.5 | 9/30/2015 | 1.8 | 21 | | |
| 10/4 - 10/10 | 10/10/2015 | ND (<2.5) | 1.3 | 0.014 | 10/5/2015 | 6.95 | ND (<0.00025) | 0.0059 | 14 | 158 | 3.4 | 38 | | 0.17 | 1.9 | | 0.10 | 1.1 | 10/7/2015 | 1.3 | 15 | | |
| 10/11 - 10/17 | 10/17/2015 | ND (<2.5) | 1.3 | 0.015 | 10/12/2015 | 7.18 | 0.00029 | 0.0041 | 15 | 183 | 2.4 | 29 | | 0.26 | 3.2 | | 0.057 | 0.69 | 10/14/2015 | 1.3 | 16 | 0.23 | 2.8 |
| 10/18 - 10/24 | 10/24/2015 | ND (<2.5) | 1.3 | 0.014 | 10/19/2015 | 7.01 | ND (<0.00025) | ND (<0.0025) | 9.0 | 98 | 2.3 | 25 | | 0.34 | 3.7 | | 0.064 | 0.70 | 10/21/2015 | 1.4 | 15 | | |
| 10/25 - 10/31 | 10/31/2015 | ND (<2.5) | 1.3 | 0.014 | 10/26/2015 | 7.19 | ND (<0.00025) | 0.0029 | 14 | 158 | 2.3 | 26 | | 0.18 | 2.0 | | 0.032 | 0.36 | 10/28/2015 | 1.7 | 19 | | |
| 11/1 - 11/7 | 11/7/2015 | ND (<2.5) | 1.3 | 0.014 | 11/2/2015 | 7.21 | ND (<0.00025) | ND (<0.0025) | 9.7 | 105 | 0.87 | 9.4 | | 0.18 | 2.0 | | 0.097 | 1.1 | 11/4/2015 | 1.3 | 14 | | ! |
| 11/8 - 11/14 | 11/14/2015 | ND (<2.5) | 1.3 | 0.013 | 11/9/2015 | 7.13 | ND (<0.00025) | ND (<0.0025) | 7.3 | 79 | 2.2 | 24 | ND (<0.10) | 0.05 | 0.54 | | 0.025 | 0.27 | 11/11/2015 | 1.2 | 13 | | ! |
| 11/15 - 11/21 | 11/21/2015 | ND (<2.5) | 1.3 | 0.014 | 11/16/2015 | 7.15 | ND (<0.00025) | ND (<0.0025) | 9.6 | 108 | 2.3 | 26 | | 0.23 | 2.6 | | 0.053 | 0.60 | 11/18/2015 | 5.9 | 67 | | ! |
| 11/22 - 11/28 | 11/28/2015 | ND (<2.5) | 1.3 | 0.015 | 11/23/2015 | 7.09 | ND (<0.00025) | 0.013 | 18 | 209 | 3.3 | 38 | | 0.21 | 2.4 | | 0.22 | 2.6 | 11/23/2015 | 6.2 | 72 | | |
| 11/29 - 12/5 | 12/5/2015 | ND (<2.5) | 1.3 | 0.014 | 11/30/2015 | 7.00 | ND (<0.00025) | 0.014 | 21 | 239 | 4.4 | 50 | ND (<0.10) | 0.05 | 0.57 | ND (<0.025) | 0.013 | 0.14 | 12/2/2015 | 7.7 | 88 | | |
| 12/6 - 12/12 | 12/12/2015 | ND (<2.5) | 1.3 | 0.012 | 12/7/2015 | 6.85 | ND (<0.00025) | 0.0082 | 19 | 190 | 3.5 | 35 | | 0.23 | 2.3 | ND (<0.025) | 0.013 | 0.12 | 12/9/2015 | 4.2 | 42 | | |
| 12/13 - 12/19 | 12/19/2015 | NA | NA | NA | 12/14/2015 | 6.86 | ND (<0.00025) | 0.0075 | 18 | 211 | 1.8 | 21 | | 0.81 | 9.5 | | 0.11 | 1.3 | 12/16/2015 | 1.8 | 21 | | , |
| 12/20 - 12/26 | 12/26/2015 | NA | NA | NA | 12/21/2014 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 12/23/2015 | NA NA | NA | | , |
| | | | | | 12/29/2015 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 12/30/2015 | NA | NA | | , |

Note: All analytical responsibilities are performed by TestAmerica Laboratories, Inc. (TestAmerica) in Irvine, California, unless otherwise indicated.

NA = Not Available To Date

NS = No Sample

ND = Not Detected above laboratory reporting limit; concentration in adjacent cell to right is one-half the reporting limit (per Permit condition) -- = Analyte detected; see column adjacent to right

Last Updated: January 1, 2016

Attachment B Equipment Tracking Form

| Sub- System | P&ID | Description | Status ¹ | Checked | Criticality ² | Notes |
|----------------|------|--|---------------------|---------|--------------------------|---|
| | | Main Plant Equipment | | | | |
| 1 | | Seep Wells and Lift Station 1 | | | | |
| 1.01 | | Seep Well Field, 9 wells | Running | | 2 | ETI added new boreline fittings and hose to PC-99R3 |
| 1.02 | | Lift Station 1 Lift Pump A | Standby | | | |
| 1.03 | | Lift Station 1 Lift Pump B | Running | | | |
| 1.04 | | Area in and around Lift Station 1 | Running | | | |
| 2 | | Athens Road Wells and Lift Station 3 | | | | |
| 2.01 | | Athens Road Well Field, 9 wells | Running | | | |
| 2.02 | | Lift Station 3 Lift Pump A | Running | | | |
| 2.03 | | Lift Station 3 Lift Pump B | Standby | | | |
| 2.04 | | Area in and around Lift Station 3 | Running | | | |
| 3 | | Lift Station 2 and Transmission Piplines | | | | |
| 3.01 | | Influent Pipline | In operation | | | |
| 3.02 | | Effluent Pipeline | Running | | | |
| 3.03 | | Lift Station 2 Lift Pump A | Running | | | |
| 3.04 | | Lift Station 2 Lift Pump B | Standby | | | |
| 3.05 | | Area in and around Lift Station 2 | Running | | | |
| 4 | | Interceptor Wells and Cr Treatment Plant | | | | |
| 4.01 | | IWF Well Field, 30 wells | Running | | 2 | ETI installed a new motor and pump on well I-AR. |
| 4.02 | | Ferrous Sulfate Feed System | Running | | | |
| 4.03 | | Polymer Feed System | Running | | | |
| 4.04 | | Clarifier | In operation | | | |
| 4.05 | | Filter Press | | | | |
| 4.06 | | GWTP Effluent Tank | | | | |
| 4.07 | | Interceptor Booster Pump A | Standby | | | |
| 4.08 | | Interceptor Booster Pump B | | | | |
| 4.09 | | Area In And Around GWTP | Running | | | |

¹Status Codes

| Sub- System | P&ID | Description | Status ¹ | Checked | Criticality ² | Notes |
|----------------|--------|---|---------------------|---------|--------------------------|---|
| 5 | | Equalization Area and GW-11 Pond | | | | |
| 5.01 | PID10A | Pond GW-11 | In operation | | | |
| 5.02 | PID10A | Pond Water Pump - P101A | Running | | | |
| 5.03 | PID10A | Pond Water Pump - P101B | Running | | | |
| 5.04 | PID10A | Equalization Tanks | In operation | | | |
| 5.05 | PID10A | Area in and Around EQ | In operation | | 3 | ETI installed new gaskets on a GW-11 valve going to P-101A and B. ETI added and tightened the packing on the SLMW flush valve for the GACs. |
| 5.06 | PID10A | Raw Water Feed Pump - P102A | | | | |
| 5.07 | PID10A | Raw Water Feed Pump - P102B | | | | |
| 5.08 | PID10A | F-101 Filters | | | 3 | A new backflush actuator was installed on strainer. |
| 5.09 | PID10B | Carbon Absorber - LGAC 201A | | | | |
| 5.10 | PID10B | Carbon Absorber - LGAC 201B | | | | |
| 5.11 | PID10B | | Running | | | |
| 6 | | First Stage FBRs A, 1 & 2 | | | | |
| 6.01 | PID14 | | Running | | | |
| 6.02 | PID14 | • | | | | |
| 6.03 | PID14 | | | | | |
| 6.04 | PID14 | P1401A | | | | |
| 6.05 | PID01A | P1401B | • | | | |
| 6.06 | PID01A | | Running | | | |
| 6.07 | PID02A | | Running | | | |
| 6.08 | PID01A | First Stage Separator Tank - T2011 | | | | |
| 6.09 | PID01A | Media Return Pump - P2011 | | | | |
| 6.10 | PID01A | First Stage FBR Pump - P1011 | Standby | | | |
| 6.11 | PID01A | First Stage FBR Pump - P1012 | Running | | | |
| 6.12 | PID01A | First Stage FRB Pump - P101A | Running | | | |
| 6.13 | PID07A | FBR A pH Feed Pump - P71A | Off | | | |
| 6.14 | PID07A | FBR 1 pH Feed Pump - P711 | Off | | | |
| 6.15 | PID07A | FBR 2 pH Feed Pump - P712 | | | | |
| 6.16 | PID07A | FBR A Nutrient (Urea) Feed Pump - P72A | Off | | | |
| 6.17 | PID07A | FBR 1 Nutrient (Urea) Feed Pump - P721 | | | | |
| 6.18 | PID07A | FBR 2 Nutrient (Urea) Feed Pump - P722 | | | | |
| 6.19 | PID15 | , , , | | | | |
| 6.20 | PID15 | , , , | | | | |
| 6.21 | PID15 | , , , | | | | |
| 6.22 | PID07B | FBR A Electron Donor Assembly Pump - P73A | | | | |

¹Status Codes

| Sub- System | P&ID | Description | Status ¹ | Checked | Criticality ² | Notes |
|----------------|--------|---|---------------------|---------|--------------------------|-------|
| 6.23 | PID07B | FBR 1 Electron Donor Assembly Pump - P731 | Running | | | |
| 6.24 | PID07B | FBR 2 Electron Donor Assembly Pump - P732 | Running | | | |

| Sub- System | P&ID | Description | Status ¹ | Checked | Criticality ² | Notes |
|----------------|--------|--|---------------------|---------|--------------------------|---|
| 7 | | First Stage FBRs 3 & 4 | | | | |
| 7.01 | PID01B | FBR 3 | Off | | | |
| 7.02 | PID01B | FBR 4 | Off | | | |
| 7.03 | PID02B | First Stage Separator Tank - T2012 | Off | | | |
| 7.04 | PID01B | Media Return Pump - P2012 | Off | | | |
| 7.05 | PID01B | First Stage FBR Pump - P1013 | Off | | | |
| 7.06 | PID01B | First Stage FRB Pump - P1014 | Off | | | |
| 7.07 | PID01B | First Stage FBR Pump - P102A | Off | | | |
| 7.08 | PID07A | FBR 3 pH Feed Pump - P713 | Off | | | |
| 7.09 | PID07A | FBR 4 pH Feed Pump - P714 | Off | | | |
| 7.10 | PID07A | FBR 3 Nutrient (Urea) Feed Pump - P723 | Off | | | |
| 7.11 | PID07A | FBR 4 Nutrient (Urea) Feed Pump - P 724 | Off | | | |
| 7.12 | PID15 | FBR 3 Nutrient (Phos Acid) Feed Pump - P1523 | Off | | | |
| 7.13 | PID15 | FBR 4 Nutrient (Phos Acid) Feed Pump - P1524 | Off | | | |
| 7.14 | PID07B | FBR 3 Electron Donor Assembly Pump - P733 | Off | | | |
| 7.15 | PID07B | FBR 4 Electron Donor Assembly Pump - P734 | Off | | | |
| 8 | | Second Stage FBRs 5 & 6 | | | | |
| 8.01 | PID03A | FBR 5 | Running | | | |
| 8.02 | PID03A | FBR 6 | Running | | | |
| 8.03 | PID03C | Second Stage Separator Tank - T3011 | Running | | | |
| 8.04 | PID03A | Media Return Pump - P3011 | Maintenance | | 3 | The pump has been rebuilt and is back online. |
| 8.05 | PID03A | Second Stage FBR Pump - P3015 | Running | | | |
| 8.06 | PID03A | Second Stage FBR Pump - P3016 | Standby | | | |
| 8.07 | PID03A | Second Stage FBR Pump - P301A | Running | | | |
| 8.08 | PID07A | FBR 5 pH Feed Pump - P715 | | | | |
| 8.09 | PID07A | FBR 6 pH Feed Pump - P716 | Off | | | |
| 8.1 | PID07A | FBR 5 Nutrient (Urea) Feed Pump - P725 | | | | |
| 8.11 | PID07A | FBR 6 Nutrient (Urea) Feed Pump - P726 | | | | |
| 8.12 | PID07B | | | | | |
| 8.13 | PID07B | FBR 6 Electron Donor Assembly Pump - P736 | Running | | | |

¹Status Codes

| Sub- System | P&ID | Description | Status ¹ | Checked | Criticality ² | Notes |
|----------------|--------|---|---------------------|---------|--------------------------|--|
| 9 | | Second Stage FBRs 7 & 8 | | | | |
| 9.01 | PID03B | FBR 7 | Off | | 4 | The carbon transfer is complete. The rehabilitation process continues to progress. |
| 9.02 | PID03B | FBR 8 | | | 4 | The carbon transfer is complete. The rehabilitation process continues to progress. |
| 9.03 | PID03D | Second Stage Separator Tank - T3012 | | | | |
| 9.04 | PID03B | Media Return Pump - P3012 | | | | |
| 9.05 | PID03B | Second Stage FBR Pump - P3017 | | | | |
| 9.06 | PID03B | Second Stage FBR Pump - P3018 | | | | |
| 9.07 | PID03B | Second Stage FBR Pump - P302A | Off | | | |
| 9.08 | PID07A | FBR 7 pH Feed Pump - P717 | Off | | | |
| 9.09 | PID07A | FBR 8 pH Feed Pump - P718 | Off | | | |
| 9.10 | PID07A | FBR 7 Nutrient (Urea) Feed Pump - P727 | Off | | | |
| 9.11 | PID07A | FBR 8 Nutrient (Urea) Feed Pump - P728 | Off | | | |
| 9.12 | PID07B | FBR 7 Electron Donor Assembly Pump - P737 | Off | | | |
| 9.13 | PID07B | FBR 8 Electron Donor Assembly Pump - P738 | Off | | | |
| 10 | | Aeration and DAF System | | | | |
| 10.01 | PID04 | Aeration Tank | In operation | | | |
| 10.02 | PID04 | Aeration Blower - B401 | Running | | | |
| 10.03 | PID04 | Biofilter | In operation | | | |
| 10.04 | PID04 | Nutrient Solution | Running | | | |
| 10.05 | PID04 | Biofilter Sump | Running | | | |
| 10.06 | PID04 | Nutrient Pump - P401 | Running | | | |
| 10.07 | PID04 | Biofilter Sump Pump - P402A | Standby | | | |
| 10.09 | PID04 | Biofilter Blower | Running | | | |
| 10.10 | PID05 | DAF Pressure Tanks | In operation | | | |
| 10.11 | PID05 | DAF Vessel - D501 | Running | | | |
| 10.12 | PID05 | DAF Pressure Pump - P501 | Running | | | |
| 10.13 | PID05 | DAF Float Pump - P502 | Running | | | |
| 10.14 | PID05 | DAF Vessel - D551 | Running | | 3 | The DAF was drained and the vessel inspected. |
| 10.15 | PID05 | DAF Pressure Pump - P551 | | | 3 | The seal was received and installed. |
| 10.16 | PID05 | DAF Float Pump - P552 | Running | | | |
| 10.17 | PID05 | Screw Conveyer Drive | Standby | | | |
| 10.18 | PID05 | Skimmer Drive | Running | | | |

¹Status Codes

| Sub- System | P&ID | Description | Status ¹ | Checked | Criticality ² | Notes |
|----------------|--------|--|---------------------|---------|--------------------------|------------------------------------|
| 11 | | Pumping System (Old Effluent) | | | | |
| 11.01 | PID06 | Effluent Tank 601 | In operation | | | |
| 11.02 | PID06 | Effluent Pump - P601 | Standby | | | |
| 11.03 | PID06 | Effluent Pump - P602 | Running | | | |
| 12 | | Sand Filter System | | | | |
| 12.01 | PID17 | Sand Filter | Running | | | |
| 12.02 | PID17 | Filter Reject Tank | In operation | | | |
| 12.03 | PID17 | Filter Reject Pump - P1701A | Standby | | | |
| 12.04 | PID17 | Filter Reject Pump - P1701B | Running | | | |
| 13 | | Effluent Tank and Pumping | | | | |
| 13.01 | PID10C | UV Effluent Tank | Running | | | |
| 13.02 | PID10C | Effluent Booster Pump - P1302A | Running | | | |
| 13.03 | PID10C | Effluent Booster Pump - P1302B | | | 2 | The pump and motor were installed. |
| 13.04 | PID10C | | Running | | | |
| 14 | | Solids Collection and Pressing System | | | | |
| 14.01 | PID16 | | | | | |
| 14.02 | PID16 | The state of the s | | | | |
| 14.03 | PID16 | Solids Cond. Tank | In operation | | | |
| 14.04 | PID09 | Sludge Mixer | Running | | | |
| 14.05 | PID09 | Filter Press Pump - P901 | Running | | | |
| 14.06 | PID09 | Filter Press Pump - P902 | Running | | | |
| 14.07 | PID09 | West Press | Standby | | | |
| 14.08 | PID09 | East Press | Running | | 3 | The plate shifter work is ongoing. |
| 14.09 | PID09 | Filtrate Tank | In operation | | | |
| 14.10 | PID09 | Filtrate Tank Effluent (recycle) Pump - P903 | Running | | | |

¹Status Codes

| Sub- System | P&ID | Description | Status ¹ | Checked | Criticality ² | Notes |
|----------------|--------|---|---------------------|---------|--------------------------|---|
| | | Chemical Systems | | | | |
| 15 | | Electron Donor System | | | | |
| 15.01 | PID07B | Electron Donor Tank | In operation | | | |
| 15.02 | PID07B | , | Running | | | |
| 15.03 | PID07B | Booster Pump P739B | Standby | | | |
| 17 | | Micro Nutrient System | In operation | | | |
| 18 | | Hydrogen Peroxide System | In operation | | | |
| 19 | PID07C | De-Foam System | In operation | | | |
| 20 | PID15 | (Tank only - pumps included in FBRs) | In operation | | | |
| 21 | PID07A | Nutrient (Urea) System (Tank only - pumps included in FBRs) | In operation | | | |
| 22 | PID07A | pH System (Tank and effluent pH feed pump only - other pumps included in FBRs) | In operation | | | |
| 23 | PID07C | Ferric Chloride System | In operation | | | |
| 24 | PID07B | Polymer Systems - DAF | In operation | | 3 | ETI added a water system to the polymer mixer to improve flow through static mixer. |
| 25 | PID09 | Polymer System - Solids Dewatering (2 tanks, 2 centrifugal pumps, mixer, volumetric feeder) | In operation | | | |
| | | Utility Systems | | | | |
| 26 | | Compressed Air System | | | | |
| 26.01 | PID08 | West Compressor | Running | | | |
| 26.02 | PID08 | East Compressor | Running | | | |
| 26.03 | PID08 | O2 Compressor | Running | | | |
| 26.04 | PID08 | Compressed Air Receiver Tank | In operation | | 3 | ETI installed a manual bleed valve until a new switch is received. |
| 26.05 | PID08 | Air Dryer | | | | |
| 26.06 | PID08 | | | | | |
| 26.07 | PID08 | | <u> </u> | | | |
| 27 | PID16 | Oxygen System | In operation | | | |
| 28 | | GWETS Plant Controls/ Siemens Controls | In operation | ļ | | |
| 29 | | Well Control System/ Allen Bradley Controls | In operation | | | |
| 30 | | MCC FBR Pad | In operation | | | |
| 31 | | MCC in D-1 | In operation | | | |
| 32 | | MCC in EQ area | In operation | | | |

Running - Unit is in operation

Standby - Spare or duplicate, not currently in operation

Maintenance - Out of service for maintenance

Off - Not currently needed for use, but can be placed in service

¹Status Codes

| Sub- System | P&ID | Description | Status ¹ | Checked | Criticality ² | Notes |
|----------------|------|---|---------------------|---------|--------------------------|-------|
| | | Miscellanous Systems | | | | |
| 33 | | Operations Office/Network | In operation | | | |
| 34 | | Laboratory Analyzers | In operation | | | |
| 35 | | Security Systems | In operation | | | |
| | | Shelf Spares | | | | |
| | | Media Return Pump Rebuid Kit | In stock | | | |
| | | pH Feed Pump | In stock | | | |
| | | Nutrient Feed Pump | In stock | | | |
| | | Electron Donor Feed Pump | In stock | | | |
| | | Phosphoric Acid Feed Pump | In stock | | | |
| | | Interceptor Well Pumps (4 each) | In stock | | | |
| | | Seep Well Pump (1 each, same as Athens so total of 2) | In stock | | | |
| | | Athens Road Well Pump (1 each, same as Seep so total of 2) | In stock | | | |

¹ Status Codes

Equipment

Running Unit is in operation

Standby

Duplicate or installed spare, not currently operating

Maintenance Out for repairs or maintenance

Off Not currently needed, but available

Tanks, Pipelines, Ponds

In operation
Out of service

Spares

In stock

¹ Criticality Codes

1 = Critical Cannot continue with operation until repairs made

2 = Important Can still operate safely and in compliance with permits, but risks are increased

3 = Moderate Work needs to be performed, but plant can still operate with redundancy that is in place

- Tasks performed to either improve the existing equipment (i.e., testing new options)

- Minor repairs that in no way alter the performance of the plant

¹Status Codes