

| Source                                       | Monitoring Requirement   | Limit   | Monitoring Results  |
|--|--|---|---|
| <b>S-55 Boiler</b>                           | <p><b>Condition 20651</b></p> <p>2. Shall not operate S-55 boiler when more than two of the three cogen engines S-37, S-38, or S-39 are operating</p> <p>3. Boiler gross heat input</p> <p>5a. NOx emission from boiler<br/>5b. CO emission from boiler</p> <p>18. Daily records of hours of operation, fuel consumption</p> <p>19. Annual performance test for emission limits in 5</p> | <p>20.41 MMBtu/hr</p> <p>30ppm<br/>50ppm</p>  | <p>Condition met. See Attachment 1 for boiler and engine data.</p> <p>Condition met. See Attachment 2. Heat input ranged from 13.3-16.9 MMBtu/hr.</p> <p>See 19 for test results if annual tests run in monitoring period</p> <p>See Attachment 1 for hours and gas consumption.</p> <p>Condition met. Annual test done on 11/26/13. Summary of results is in Attachment 3.</p>                 |
| <b>S-37, S-38, S-39 Cogeneration Engines</b> | <p><b>Condition 20651</b></p> <p>Emission limits –</p> <p>6. NOx emissions from S-38<br/>7. POC emissions from S-38<br/>8. CO emissions from S-38<br/>9. Filterable particulate emissions from S-38<br/>10. NOx emissions from S-37 &amp; S-39<br/>11. CO emissions from S-37 &amp; S-39</p> <p>13. Thermal throughput per engine</p>  | <p>1.25 g/hp-hr<br/>0.6 g/hp-hr<br/>3.0 g/hp-hr<br/>0.085 g/hp-hr</p> <p>70 ppmvd<br/>2000 ppmvd</p> <p>25 MMBtu/hr</p> | <p>For items 6-11 see 19 for test results if annual tests run in monitoring period</p> <p>See Attachment 2. Old calculation method using electrical production and engine curves shows compliance. New calculation method using digester gas meter for engines and monthly fuel content samples shows non-compliance. Meter accuracy and calculation methods currently under investigation.</p> |

| Source  | Monitoring Requirement  | Limit  | Monitoring Results   |
|---|---|--|--|
| S-37, S-38, S-39<br>Cogeneration<br>Engines<br>(continued)  | <p>14. Combined hours of operation for S-37, S-38, and S-39</p> <p>15. Combined diesel consumption for S-37, S-38, and S-39</p> <p>18. Daily records of hours of operation, fuel consumption</p> <p>19. Annual performance test for emission limits in 6-11</p> | <p>25,316 hours in any rolling 365 day period</p> <p>150,000 gallons in any rolling 365 day period</p> | <p>Condition met. 14,855 hours in last year. See Attachment 2. Jan-Jun 2013: 6,859 hours Jul-Dec 2013: 7,996 hours</p> <p>Condition met. 26,969 gallons in last year. See Attachment 2. Jan-Jun 2013: 14,432 gallons Jul-Dec 2013: 12,537 gallons</p> <p>Condition met. See Attachment 1 for records.</p> <p>Condition met. Engine #2 test by Blue Sky Environmental 8/1/13. Engine #2 test by BAAQMD on 9/19/13. Summary of results are located in Attachment 3. Full report sent to BAAQMD Source Test on 9/26/13.</p> |
| S-48<br>Gasoline<br>Dispensing<br>Facility                  | <p><b>Condition 25107</b></p> <p>The Static Pressure Performance Test (Leak Test) ST-38 shall be successfully conducted at least once in each twelve consecutive month period.</p>  |  | <p>Condition met. Completed on 9/17/13. Results are attached in Attachment 4.</p>  |
|   | <p><b>Condition 21663</b></p>   |  |  |
| S-49<br>Diesel Engine<br>Back-up<br>Generator<br>(portable) | <p><b>Condition 19058 (BAAQMD permit)</b></p> <p>4. Diesel fuel – sulfur content</p> <p>5. Hours of operation</p>   | <p>&lt;0.5% by weight</p>  | <p>Condition met. All deliveries of diesel to Plant were CARB ULSD, 15ppm sulfur or less. See Attachment 6.</p> <p>Condition met. Generator not used in 2013. Refer to Attachment 7.</p>   |
| S-50<br>Diesel Engine<br>Back-up<br>Generator               | <p><b>Condition 22830</b></p> <p>1. Hours of operation</p>  | <p>30 hours/year reliability-related hours</p>   | <p>Condition met. Generator not used in 2013. Refer to Attachment 7.</p>   |

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|---|---|--|---|
| <b>S-51</b><br><b>Diesel Engine</b><br><b>Back-up</b><br><b>Generator</b> | <b>Condition 22850</b><br><br>1. Hours of operation   | 50 hours/year<br>reliability-related<br>hours                              | Condition met. Total 2013<br>reliability-related use is 9.1<br>hours. Refer to Attachment 7<br>for current period.  |
| <b>S-52</b><br><b>Diesel Engine</b><br><b>Back-up</b><br><b>Generator</b> | <b>Condition 22820</b><br><br>1. Hours of operation.<br><br><br><b>Condition 19184 (BAAQMD permit)</b><br><br>2. Diesel fuel – sulfur content | 20 hours/year<br>reliability-related<br>hours<br><br><br><0.005% by weight | Condition met. Total 2013<br>reliability-related use is 6.8<br>hours. Refer to Attachment 7<br>for current period.<br><br><br>Condition met. All deliveries<br>of diesel to Plant were CARB<br>ULSD, 15ppm sulfur or less.<br>See Attachment 6. |
| <b>S-53</b><br><b>Diesel Engine</b><br><b>Back-up</b><br><b>Generator</b> | <b>Condition 22830</b><br><br>1. Hours of operation   | 30 hours/year<br>reliability-related<br>hours                              | Condition met. No reliability-<br>related hours in 2013. Refer to<br>Attachment 7 for current<br>period.  |
| <b>S-54</b><br><b>Diesel Engine</b><br><b>Back-up</b><br><b>Generator</b> | <b>Condition 22850</b><br><br>1. Hours of operation   | 50 hours/year<br>reliability-related<br>hours                              | Condition met. Total 2013<br>reliability-related use is 0.2<br>hours. Refer to Attachment 7<br>for current period.  |

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| <b>S-56 Turbine</b>   | <b>Condition 24050</b><br><br>2. Total combined heat input<br><br>3. NOx emission limit<br>4. CO emission limit<br>5. SO2 emission limit<br><br>7. Annual turbine source test<br><br>8. Monthly NOx and CO test  | 389,820 MMBtu in any 12-month period<br><br>23 ppm (15-min)<br>100 ppm (15-min)<br>150 ppmv | Condition met. 307,450 MMBtu in 2013. Refer to Attachment 2.<br>Jan-Jun 2013: 166,696 MMBtu<br>Jul-Dec 2013: 140,754 MMBtu<br><br>Emission limits met. Refer to reports for items 7 and 8.<br><br>Condition met. Turbine annual test done on 12/16/13. Summary of results are located in Attachment 8.<br><br>Tests completed July-October and December. The turbine was out of service in November and no test could be conducted. Results are located in Attachment 8. |
| <b>S-100 Municipal Wastewater Treatment Plant</b>                           | <b>Condition 21759</b><br><br>1. Total wastewater flow   | 120 MGD monthly dry weather average<br>325 MGD monthly wet weather average                  | Condition met. Maximum monthly flow in 2013 was 51 MGD. See Attachment 9.  |
| <b>S-110 Headworks</b><br><br><b>A-461 &amp; A-462 Carbon Bed Scrubbers</b> | <b>Condition 17335</b><br><br>3. Inlet and outlet H2S concentrations of carbon beds, as well as any other appropriate operating parameters shall be continuously monitored and reviewed on a daily basis to determine when carbon adsorption bed breakthrough is imminent or has been reached. |   | Monitoring results for inlet and outlet H2S and any noted outages are in Attachment 10. Carbon changed out on course screens scrubber on August 7, 2013. Maintenance records for scrubber are in Attachment 11.  |
| <b>S-170 Sludge handling</b>  | <b>Condition 18006</b><br><br>1. Monitor and record on a daily basis the activated sewage sludge throughput through S-170.   |   | Sludge throughput is recorded in Attachment 12. Maintenance records for the scrubber are in Attachment 11.   |

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| <b>S-180<br/>Anaerobic<br/>Digesters</b> | <b>Condition 18860</b><br><br>2. Monthly inspection of digesters<br><br>3. Sulfur content of digester gas<br><br>4. Weekly sampling and testing of digester gas for H2S<br><br>5. Hours of flaring per day | <br><br><br>< 340 ppmv | <br><br>Inspections conducted by Operations on daily rounds.<br><br>Condition met. Refer to Attachment 13 for the H2S gas sampling records.<br><br>Refer to Attachment 13.<br><br>Refer to Attachment 2 for the hours of flaring per day. |

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- 4 Annual Gasoline Dispensing Facility Leak Test Results
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