

Source	Monitoring Requirement	Limit	Monitoring Results
S-55 Boiler	<p>Condition 20651</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 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 50ppm</p>	<p>Condition met. Refer to Attachment 1 – Engine and Boiler Air Permit Data.</p> <p>Condition met. Boiler operated from 12.1-18.8 million Btu/hr in report period. See Attachment 2 – Combustion Summaries – Boiler, Engines, Turbine, Flares.</p> <p>See 19 for test results if annual tests run in monitoring period</p> <p>Refer to Attachment 1.</p> <p>Source test conducted 11/27/12 and limits met. Results submitted with last report.</p>
S-37, S-38, S-39 Cogeneration Engines	<p>Condition 20651</p> <p>Emission limits –</p> <p>6. NOx emissions from S-38 7. POC emissions from S-38 8. CO emissions from S-38 9. Filterable particulate emissions from S-38 10. NOx emissions from S-37 & S-39 11. CO emissions from S-37 & S-39</p> <p>13. Thermal throughput per engine</p> <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>1.25 g/hp-hr 0.6 g/hp-hr 3.0 g/hp-hr 0.085 g/hp-hr</p> <p>70 ppmvd 2000 ppmvd</p> <p>25 MMBtu/hr</p> <p>25,316 hours in any rolling 365 day period</p> <p>150,000 gallons in any rolling 365 day period</p>	<p>For items 6-11 see 19 for test results if annual tests run in monitoring period</p> <p>Condition met. Engines operated from 13.9-18.2 million Btu/hr in report period. See Attachment 2.</p> <p>Condition met. Last 12 months - 14,622 hours. See Attachment 2.</p> <p>Condition met. Last 12 months – 27,926 gallons. See Attachment 2.</p> <p>Refer to Attachment 1.</p>

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	19. Annual performance test for emission limits in 6-11		Annual source test results for S-37 and S-39 are included in Attachment 3 and emission limits were met. S-38 has been down for several months for an upgrade and the annual source test is scheduled August 1, 2013 when it is operating again.
S-48 Gasoline Dispensing Facility	Condition 25107 The Static Pressure Performance Test (Leak Test) ST-38 shall be successfully conducted at least once in each twelve consecutive month period.		Completed on 9/18/12. Results submitted with last report.
	Condition 21663 Annual gasoline throughput	334,000 gal per year	Condition met. Last 12 months – 13,853 gallons. Refer to Attachment 4 – Gasoline Facility Throughput.
S-49 Diesel Engine Back-up Generator	Condition 19058 (BAAQMD permit) 4. Diesel fuel – sulfur content 5. Hours of operation	<0.5% by weight	See Attachment 5 for sulfur content on diesel deliveries in time period. Condition met. Generator not used Jan-June 2013. Refer to Attachment 6.
S-50 Diesel Engine Back-up Generator	Condition 22830 1. Hours of operation	30 hours/year reliability-related hours	Condition met. Generator not used Jan-June 2013. Refer to Attachment 6.
S-51 Diesel Engine Back-up Generator	Condition 22850 1. Hours of operation	50 hours/year reliability-related hours	Condition met. Last 12 months – 4.8 reliability-related hours. Refer to Attachment 6.

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S-52 Diesel Engine Back-up Generator	Condition 22820 1. Hours of operation. Condition 19184 (BAAQMD permit) 2. Diesel fuel – sulfur content	20 hours/year reliability-related hours <0.005% by weight	Condition met. Last 12 months – 6.8 reliability related hours. Refer to Attachment 6. See Attachment 5 for sulfur content on diesel deliveries in time period.
S-53 Diesel Engine Back-up Generator	Condition 22830 1. Hours of operation	30 hours/year reliability-related hours	Condition met. No reliability- related hours in the last 12 months. Refer to Attachment 6.
S-54 Diesel Engine Back-up Generator	Condition 22850 1. Hours of operation	50 hours/year reliability-related hours	Condition met. Last 12 months – 0.2 reliability-related hours. Refer to Attachment 6.
S-56 Turbine	Condition 24050 2. Total combined heat input 3. NOx emission limit 4. CO emission limit 5. SO2 emission limit 7. Annual turbine source test 8. Monthly NOx and CO test	389,820 MMBtu in any 12-month period 23 ppm (15-min) 100 ppm (15-min) 150 ppmv	Last 12 months – 265,988 MMBtu. See Attachment 2. Limits met – see item 8 for more information. Last annual source test was 1/9/13 and limits met. This test was a make-up for 2012 and the next annual test will be done in late 2013. Testing completed each month and limits met. Attachment 7 contains the monthly results. Jan 2013 annual test was counted for Jan monthly.
S-100 Municipal Wastewater Treatment Plant	Condition 21759 1. Total wastewater flow	120 MGD monthly dry weather average 325 MGD monthly wet weather average	Condition met. See Attachment 8 for plant flow rates during this time period.

Source	Monitoring Requirement	Limit	Monitoring Results
S-110 Headworks A-461 & A-462 Carbon Bed Scrubbers	Condition 17335 3. Inlet and outlet H ₂ S 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 of scrubbers are in Attachment 9. Maintenance records for the scrubber are in Attachment 10. Carbon change out on course screen scrubber scheduled for the week of July 29, 2013. No outages occurred in report period.
S-170 Sludge handling	Condition 18006 1. Monitor and record on a daily basis the activated sewage sludge throughput through S-170.		Attachment 11 shows the activated sewage sludge throughput records for the time period. Maintenance records for the scrubber are in Attachment 10.
S-180 Anaerobic Digesters	Condition 18860 2. Monthly inspection of digesters 3. Sulfur content of digester gas 4. Weekly sampling and testing of digester gas for H ₂ S 5. Hours of flaring per day	< 340 ppmv	Inspections conducted by Operations on daily rounds. Condition met. Attachment 12 contains the digester gas sampling records for the period. Refer to Attachment 12. Refer to Attachment 13 for the hours of flaring per day.

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