



July 29, 2022

TV Tracking #: 499

Mr. Jeff Gove, Director of Compliance and Enforcement
Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105
Attn. Title V Reports
Transmitted by e-mail to compliance@baaqmd.gov

1. RECEIVED IN 07/29/2022
ENFORCEMENT: _____

Dear Mr. Gove:

RE: Semiannual Major Facility Review (Title V) Monitoring Report for the East Bay Municipal Utility District (EBMUD) Main Wastewater Treatment Plant (Facility #A0591)

Attached is the semiannual monitoring report for the EBMUD Main Wastewater Treatment Plant (Facility #A0591) as required under Section I.F of the facilities Major Facility Review Permit issued November 7, 2019. The report covers the period from January 1, 2022 – June 30, 2022. No issues of non-compliance with the permit were identified in our data review.

Please note that the back-up emergency generator (S-50) has been decommissioned and removed from the facility and will no longer be included in this report. A new, replacement back-up emergency generator (S-59) was added to our Permit to Operate in July 2022 and will be reported on in future semi-annual reports since it will be added to the Title V permit as well.

Based on information and belief formed after reasonable inquiry, I certify that the statements and information in this report are true, accurate and complete.

If you have any questions about this report, please call Chris Dembicza at (510) 287-0509.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Donald M. Gray'.

Donald M. Gray, Ph.D., P.E.
Interim Director of Wastewater

DMG:CD:bmy

Attachment

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**Major Facility Review (Title V)
Semi-Annual Monitoring Report**

for

**East Bay Municipal Utility District
Main Wastewater Treatment Plant
Facility #A0591**

Reporting Period: January 1, 2022 – June 30, 2022

| 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. See Attachment 1 for boiler and engine data.</p> <p>Condition met. See Attachment 2. Heat input ranged from 9.6-17.1 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 performance test completed in previous reporting period.</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</p> <p>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>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. See Attachment 2 for values.</p> <p>Condition met. 16,840 hours in last year. See Attachment 2. Jan-Jun 2022: 8,382 hours Jul-Dec 2021: 8,458 hours</p> <p>Condition met. 26,179 gallons in last year. See Attachment 2. Jan-Jun 2022: 11,405 gallons Jul-Dec 2021: 14,774 gallons</p> |

| Source | Monitoring Requirement | Limit | Monitoring Results |
|--|--|---|---|
| S-37, S-38, S-39 Cogeneration Engines (continued) | 18. Daily records of hours of operation, fuel consumption 19. Annual performance test for emission limits in 6-11 | | Condition met. See Attachment 1 for records. Condition met. Annual performance tests completed in previous reporting period. |
| S-48 Gasoline Dispensing Facility | Condition 25723 The Static Pressure Performance Test (CARB TP 201.3B) shall be successfully conducted at least once in each 12-month period. | | Condition met. Completed in previous reporting period. |
| | Condition 21663 Annual gasoline throughput | 334,000 gal per year | Condition met. 26,641 gal in last year. See Attachment 4. Jan-June 2022: 14,627 gal July-Dec 2021: 12,014 gal |
| S-50 Diesel Engine Back-up Generator | Condition 22830 1. Hours of operation | 30 hours/year reliability-related hours | Condition met. Generator did not operate in last 12 months. Refer to Attachment 5. <u>Source removed 12/31/2021.</u> |
| S-51 Diesel Engine Back-up Generator | Condition 22850 1. Hours of operation | 50 hours/year reliability-related hours | Condition met. Generator ran 24.1 hours in last 12 months. Refer to Attachment 5. |
| S-53 Diesel Engine Back-up Generator | Condition 22830 1. Hours of operation | 30 hours/year reliability-related hours | Condition met. Generator ran 2.7 hours in last 12 months. Refer to Attachment 5. |
| S-54 Diesel Engine Back-up Generator | Condition 22850 1. Hours of operation | 50 hours/year reliability-related hours | Condition met. Generator did not run in last 12 months. Refer to Attachment 5. |

| Source | Monitoring Requirement | Limit | Monitoring Results |
|---|---|--|--|
| S-56 Turbine | Condition 24050 <p>2. Total combined heat input</p> <p>3. NOx emission limits</p> <p>4. CO emission limit and monitoring</p> <p>5. Daily monitoring of H2S to demonstrate compliance with SO2 limits</p> <p>5. SO2 emission limit</p> <p>7. Annual turbine source test</p> <p>8. Monthly NOx and CO test</p> | 389,820 MMBtu in any 12-month period 23 ppm (15-min) 34,400 lb (12-mo) 100 ppm (15-min) 92,200 lb (12-mo) Daily monitoring per 40 CFR 60.4370 150 ppmv | Condition met. 171,164 MMBtu in last 12 months. Refer to Attachment 2. Jan-Jun 2022: 131,545 MMBtu Jul-Dec 2021: 39,619 MMBtu Emission limits met. Refer to Attachments 2 and 6. Annual mass emission: 3,996 lb Emission limits met. Refer to Attachments 2 and 6. Annual mass emission: 1,394 lb See Attachment 11 for readings. Emission limit met. Refer to Attachments 2 and 6. Condition met. Last annual test was in previous reporting period. Condition met. Monthly test results are in Attachment 6. |
| S-58 Diesel Engine Back-up Generator | Condition 22850 | 50 hours/year reliability-related hours | Condition met. Generator did not run in last 12 months. Refer to Attachment 5. |
| S-100 Municipal Wastewater Treatment Plant | Condition 21759 | 120 MGD monthly dry weather average 325 MGD monthly wet weather average | Condition met. Maximum wet weather monthly flow in period was 63 MGD influent. Maximum dry weather monthly flow was 47 MGD. See Attachment 7. |

| Source | Monitoring Requirement | Limit | Monitoring Results |
|--|--|--------------|---|
| S-110 Headworks A-462 Carbon Scrubber A-463/A-464 Biotrickling Filters/Carbon Scrubbers | Condition 17335 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 8. Maintenance records for scrubber are in Attachment 9. |
| S-170 Sludge handling A-7/A-8 Atomized Mist Scrubbers | Condition 18006 1. Monitor and record on a daily basis the activated sewage sludge throughput through S-170. | | Sludge throughput is recorded in Attachment 10. Maintenance records for the scrubber are in Attachment 9. |
| S-172 Pre-Digestion Blend Tanks A-9 Iron Oxide A-10 Biofilter A-11 Activated Carbon | Condition 25919 1. Throughput of waste shall not exceed 2,100,000 gallons during any day. 4. POC emissions shall not exceed 2.02 lb/calender day and 20.3 ppm total carbon on a daily basis. 6. Quarterly POC readings at outlet of A11 | | Condition met. See Attachment 11 for record of daily throughput. See item 6 for test results. Condition met. POC readings in this reporting period were less than 1ppm. |

| Source | Monitoring Requirement | Limit | Monitoring Results |
|---|--|---|---|
| <p>S-180 Anaerobic Digesters</p> <p>Note: A-194, A-195 are enclosed flares</p> <p>A-190, A-191, A-192, and A- 193 are older “candlestick” flares</p> | <p>Condition 18860</p> <p>2. Monthly inspection of digesters and gas management/venting prevention</p> <p>3. Sulfur content of digester gas</p> <p>4. Combined digester gas flow rate to combustion sources</p> <p>5. Combustion zone temperature monitoring to A-194, A-195</p> <p>6. Gas flow to A-194, A-195</p> <p>7. Source testing of A-194, A-195 (every 8,760 hours of use or 5 years)</p> <p>Emission limits for A-194, A-195</p> <p>9. NOx limit</p> <p>10. CO limit</p> <p>11. H2S limit</p> <p>12. Daily sampling and testing of digester gas for H2S</p> <p>13. Hours of flaring per day</p> | <p><200 ppmv annual average</p> <p><3,400 scfm annual average</p> <p>>1,200F, after 15-min start-up</p> <p><3,000 cfm, 1-hr average</p> | <p>Inspections conducted by Operations on daily rounds.</p> <p>Condition met. Refer to Attachment 12 for the H2S gas sampling records.</p> <p>Condition met. See Attachment 13 for combined digester gas flow rates.</p> <p>Condition met.</p> <p>Condition met.</p> <p>Condition met. Source test conducted 4/27/22. Results included in Attachment 3.</p> <p>Condition met. Source test conducted 4/27/22. Results included in Attachment 3.</p> <p>Condition met. Refer to Attachment 11.</p> <p>Refer to Attachment 1 for the hours of flaring per day.</p> |

Attachment Index:

- 1 Combustion Source Air Permit Data
- 2 Combustion Summaries – Boiler, Engines, Turbine, Flares
- 3 Annual Source Test Results
- 4 Gasoline Facility Throughput
- 5 Hours of Operation for Stand-by Emergency Generators
- 6 Turbine Monthly Test Results
- 7 Monthly Wastewater Summary
- 8 IPS Carbon Bed Inlet/Outlet H2S Readings
- 9 Odor Scrubber Maintenance Records for S-170 and S-110
- 10 Activated Sludge Throughput for S-170
- 11 Blend Tank Throughput Records
- 12 Digester Gas H2S Sampling
- 13 Combined Digester Gas Combustion Volumes

ATTACHMENT 1

COMBUSTION SOURCE AIR PERMIT DATA

(engines, turbine, boiler, flares)

**DAILY REPORTS
JANUARY-JUNE 2022**



January - 2022

Daily Data for Air Permit

Elmer E. Ross Power Station

| Date | Run Time, Hours | | | | KiloWatt Hours Generated | | | | Fuel Oil Used, gal | | | | Gas, Roots Meter, cu ft | | | |
|--------|-----------------|-------|-------|-------|--------------------------|-----------|-----------|-----------|--------------------|--------|--------|-------|-------------------------|------------|------------|------------|
| | Eng 1 | Eng 2 | Eng 3 | Total | Gen. 1 | Gen 2 | Gen 3 | Total | Eng. 1 | Eng. 2 | Eng. 3 | Total | Eng. 1 | Eng. 2 | Eng. 3 | Total |
| 1st | 24 | 24 | 24 | 72 | 45,032 | 45,615 | 46,496 | 137,143 | 19 | 33 | 33 | 85 | 801,765 | 812,145 | 827,830 | 2,441,740 |
| 2nd | 4 | 24 | 21 | 49 | 5,641 | 42,425 | 34,844 | 82,910 | 28 | 27 | 29 | 85 | 102,590 | 771,561 | 633,689 | 1,507,840 |
| 3rd | 24 | 24 | 15 | 63 | 48,645 | 49,295 | 32,298 | 130,238 | 22 | 33 | 29 | 84 | 861,791 | 873,307 | 572,189 | 2,307,287 |
| 4th | 24 | 24 | 24 | 72 | 51,110 | 51,799 | 52,694 | 155,603 | 20 | 27 | 30 | 76 | 877,214 | 889,039 | 904,401 | 2,670,654 |
| 5th | 24 | 24 | 24 | 72 | 51,240 | 51,949 | 52,854 | 156,043 | 27 | 31 | 32 | 90 | 874,259 | 886,356 | 901,797 | 2,662,412 |
| 6th | 24 | 24 | 24 | 72 | 51,286 | 51,945 | 52,823 | 156,054 | 24 | 30 | 33 | 87 | 864,895 | 876,009 | 890,816 | 2,631,720 |
| 7th | 24 | 24 | 24 | 72 | 51,295 | 51,974 | 52,783 | 156,052 | 22 | 27 | 27 | 76 | 857,936 | 869,293 | 882,824 | 2,610,053 |
| 8th | 24 | 24 | 24 | 72 | 51,358 | 52,021 | 52,919 | 156,298 | 21 | 32 | 35 | 88 | 852,926 | 863,937 | 878,850 | 2,595,713 |
| 9th | 24 | 18 | 24 | 66 | 45,248 | 33,342 | 46,676 | 125,266 | 29 | 21 | 30 | 79 | 789,179 | 581,524 | 814,085 | 2,184,788 |
| 10th | 24 | 12 | 24 | 60 | 48,617 | 28,112 | 50,151 | 126,880 | 22 | 28 | 33 | 83 | 857,817 | 496,019 | 884,883 | 2,238,719 |
| 11th | 23 | 24 | 24 | 71 | 51,278 | 51,848 | 52,763 | 155,889 | 19 | 30 | 31 | 80 | 864,605 | 874,216 | 889,644 | 2,628,465 |
| 12th | 24 | 24 | 24 | 72 | 51,280 | 51,859 | 52,816 | 155,955 | 36 | 51 | 48 | 134 | 846,593 | 856,152 | 871,951 | 2,574,696 |
| 13th | 24 | 24 | 24 | 72 | 50,484 | 49,183 | 50,281 | 149,948 | 22 | 35 | 37 | 94 | 844,766 | 822,996 | 841,369 | 2,509,131 |
| 14th | 24 | 24 | 24 | 72 | 51,325 | 51,944 | 52,837 | 156,106 | 21 | 30 | 32 | 83 | 852,798 | 863,083 | 877,921 | 2,593,802 |
| 15th | 24 | 24 | 24 | 72 | 51,453 | 52,017 | 52,918 | 156,388 | 23 | 14 | 30 | 67 | 862,461 | 871,915 | 887,017 | 2,621,393 |
| 16th | 24 | 11 | 24 | 59 | 46,515 | 18,063 | 48,003 | 112,581 | 25 | 16 | 33 | 74 | 828,207 | 321,615 | 854,701 | 2,004,523 |
| 17th | 24 | 16 | 24 | 64 | 48,109 | 35,210 | 49,760 | 133,079 | 21 | 27 | 30 | 78 | 857,522 | 627,603 | 886,950 | 2,372,075 |
| 18th | 24 | 24 | 24 | 72 | 50,401 | 51,075 | 51,992 | 153,468 | 18 | 29 | 37 | 84 | 872,440 | 884,107 | 899,980 | 2,656,527 |
| 19th | 24 | 24 | 24 | 72 | 51,281 | 51,951 | 52,878 | 156,110 | 29 | 34 | 31 | 94 | 864,221 | 875,513 | 891,135 | 2,630,869 |
| 20th | 24 | 24 | 24 | 72 | 50,763 | 51,462 | 52,364 | 154,589 | 21 | 29 | 34 | 85 | 852,973 | 864,718 | 879,875 | 2,597,566 |
| 21st | 24 | 13 | 24 | 61 | 49,333 | 27,482 | 50,957 | 127,772 | 23 | 23 | 32 | 78 | 840,594 | 468,271 | 868,266 | 2,177,131 |
| 22nd | 16 | 0 | 24 | 40 | 24,291 | 0 | 43,298 | 67,589 | 25 | 0 | 31 | 57 | 440,502 | 0 | 785,181 | 1,225,683 |
| 23rd | 0 | 0 | 7 | 7 | 0 | 0 | 11,365 | 11,365 | 0 | 0 | 13 | 13 | 0 | 0 | 204,917 | 204,917 |
| 24th | 0 | 10 | 8 | 18 | 0 | 18,539 | 16,403 | 34,942 | 0 | 26 | 27 | 54 | 0 | 333,344 | 294,938 | 628,282 |
| 25th | 13 | 11 | 24 | 48 | 24,824 | 20,416 | 46,512 | 91,752 | 24 | 19 | 32 | 75 | 443,988 | 365,149 | 831,887 | 1,641,024 |
| 26th | 24 | 0 | 24 | 48 | 45,108 | 0 | 46,660 | 91,768 | 22 | 0 | 34 | 56 | 808,031 | 0 | 835,833 | 1,643,864 |
| 27th | 24 | 0 | 24 | 48 | 49,412 | 0 | 50,965 | 100,377 | 29 | 0 | 31 | 60 | 849,206 | 0 | 875,897 | 1,725,103 |
| 28th | 9 | 15 | 24 | 48 | 17,717 | 33,936 | 52,820 | 104,473 | 16 | 25 | 33 | 73 | 291,825 | 558,975 | 870,022 | 1,720,822 |
| 29th | 0 | 24 | 24 | 48 | 0 | 51,843 | 52,772 | 104,615 | 0 | 17 | 30 | 46 | 0 | 855,439 | 870,769 | 1,726,208 |
| 30th | 0 | 14 | 17 | 31 | 0 | 21,942 | 29,760 | 51,702 | 0 | 43 | 45 | 88 | 0 | 383,373 | 519,971 | 903,344 |
| 31st | 9 | 0 | 9 | 18 | 20,606 | 0 | 20,435 | 41,041 | 14 | 0 | 17 | 30 | 365,367 | 0 | 362,335 | 727,702 |
| Totals | 578 | 528 | 677 | 1,783 | 1,183,652 | 1,097,247 | 1,413,097 | 3,693,996 | 621 | 739 | 977 | 2,337 | 20,326,471 | 18,745,659 | 24,291,923 | 63,364,053 |
| | Sum of Engines | | 1,783 | | Sum of Engines | | | | Sum of Engines | | | | Sum of Engines | | | |
| | | | | | | | | | | | | | | | | |

Sum of Engines 1,783 Sum of Engines 3,693,996 Sum of Engines 2,337 Sum of Engines 63,364,053



January - 2022

Daily Data for Air Permit

SD1 Flare Burners, Turbine, and Boiler

| Date | Flares A-190,191,192,193 | | Flares A-194,195 | | | Turbine | | | Boiler | | Run Time Check | |
|--------|--------------------------|--------------|------------------|--------------|-------------------------|-----------------|--------------|--------------|-----------------|--------------|----------------|---------------------|
| | Run Time Hrs | Gas cu ft | Run Time Hrs | Gas cu ft | Peak 1-hr Flow, SCFM | Run Time Hrs | Power KWh | Gas cu ft | Run Time Hrs | Gas cu ft | Engine Hrs | Eng + Boiler Hrs |
| 1st | 0 | 0 | 6 | 126,048 | 690 | 0 | 0 | 0 | 0 | 0 | 72 | 72 |
| 2nd | 0.1 | 776 | 7 | 120,481 | 612 | 0 | 0 | 0 | 21 | 354,411 | 49 | 70 |
| 3rd | 0 | 0 | 8 | 128,847 | 318 | 0 | 0 | 0 | 8 | 125,788 | 63 | 71 |
| 4th | 20 | 262,294 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 | 72 |
| 5th | 21 | 364,141 | 1.5 | 105,735 | 1,224 | 0 | 0 | 0 | 0 | 0 | 72 | 72 |
| 6th | 11 | 278,163 | 24 | 1,284,885 | 1,318 | 0 | 0 | 0 | 0 | 0 | 72 | 72 |
| 7th | 17 | 420,132 | 24 | 1,187,826 | 1,546 | 0 | 0 | 0 | 0 | 0 | 72 | 72 |
| 8th | 4 | 89,055 | 24 | 1,053,852 | 1,023 | 0 | 0 | 0 | 0 | 0 | 72 | 72 |
| 9th | 2 | 18,353 | 0.4 | 6,522 | 109 | 0 | 0 | 0 | 7 | 117,356 | 66 | 73 |
| 10th | 3 | 25,608 | 1.3 | 29,426 | 421 | 0 | 0 | 0 | 10 | 158,862 | 60 | 70 |
| 11th | 1.0 | 19,852 | 24 | 1,305,917 | 1,518 | 0 | 0 | 0 | 0 | 0 | 71 | 71 |
| 12th | 0 | 0 | 24 | 1,297,037 | 1,289 | 0 | 0 | 0 | 0 | 0 | 72 | 72 |
| 13th | 1.1 | 33,825 | 24 | 1,178,020 | 1,242 | 0 | 0 | 0 | 0 | 0 | 72 | 72 |
| 14th | 0 | 793 | 24 | 1,369,801 | 1,280 | 0 | 0 | 0 | 0 | 0 | 72 | 72 |
| 15th | 1.0 | 8,822 | 19 | 396,231 | 570 | 0 | 0 | 0 | 0 | 0 | 72 | 72 |
| 16th | 2 | 19,279 | 0.3 | 2,833 | 47 | 0 | 0 | 0 | 14 | 227,704 | 59 | 73 |
| 17th | 0.8 | 8,953 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 107,627 | 64 | 71 |
| 18th | 12 | 234,612 | 4 | 71,065 | 464 | 0 | 0 | 0 | 0 | 0 | 72 | 72 |
| 19th | 0 | 0 | 24 | 1,070,282 | 1,290 | 0 | 0 | 0 | 0 | 0 | 72 | 72 |
| 20th | 0 | 0 | 24 | 1,266,775 | 1,650 | 0 | 0 | 0 | 0 | 0 | 72 | 72 |
| 21st | 10 | 205,160 | 9 | 167,782 | 510 | 9 | 24,064 | 434,198 | 2 | 41,472 | 61 | 63 |
| 22nd | 0 | 154 | 5 | 50,396 | 165 | 24 | 70,912 | 1,242,653 | 8 | 152,047 | 40 | 48 |
| 23rd | 3 | 24,351 | 0.03 | 266 | 4 | 24 | 89,754 | 1,496,858 | 24 | 483,641 | 7 | 31 |
| 24th | 1.6 | 14,833 | 2 | 33,312 | 302 | 23 | 87,857 | 1,479,272 | 13 | 242,713 | 18 | 31 |
| 25th | 11 | 229,193 | 10 | 274,624 | 746 | 23 | 73,933 | 1,265,648 | 0.6 | 11,827 | 48 | 49 |
| 26th | 15 | 255,013 | 0 | 0 | 0 | 24 | 75,254 | 1,254,660 | 0 | 0 | 48 | 48 |
| 27th | 24 | 598,426 | 0 | 0 | 0 | 24 | 74,349 | 1,234,466 | 0 | 0 | 48 | 48 |
| 28th | 24 | 600,458 | 0 | 0 | 0 | 24 | 76,076 | 1,236,341 | 0 | 0 | 48 | 48 |
| 29th | 18 | 212,751 | 0 | 0 | 0 | 24 | 75,494 | 1,223,063 | 0 | 0 | 48 | 48 |
| 30th | 3 | 34,683 | 0 | 0 | 0 | 24 | 76,831 | 1,304,589 | 8 | 60,358 | 31 | 39 |
| 31st | 0.3 | 2,456 | 18 | 474,537 | 692 | 24 | 87,570 | 1,437,711 | 15 | 118,259 | 18 | 33 |
| Totals | 206 | 3,962,136 | 306 | 13,002,500 | | 247 | 812,094 | 13,609,459 | 139 | 2,202,065 | 1,783 | 1,922 |
| | | | | Maximum | 1,650 | | | | | Maximum | | 73 |



February - 2022

Daily Data for Air Permit

Elmer E. Ross Power Station

| Date | Run Time, Hours | | | | KiloWatt Hours Generated | | | | Fuel Oil Used, gal | | | | Gas, Roots Meter, cu ft | | | |
|--------|-----------------|-------|-------|-------|--------------------------|---------|-----------|-----------|--------------------|--------|--------|-------|-------------------------|------------|------------|------------|
| | Eng 1 | Eng 2 | Eng 3 | Total | Gen. 1 | Gen 2 | Gen 3 | Total | Eng. 1 | Eng. 2 | Eng. 3 | Total | Eng. 1 | Eng. 2 | Eng. 3 | Total |
| 1st | 24 | 0 | 24 | 48 | 51,173 | 0 | 52,841 | 104,014 | 26 | 0 | 45 | 71 | 880,245 | 0 | 908,936 | 1,789,181 |
| 2nd | 24 | 0 | 24 | 48 | 50,770 | 0 | 52,421 | 103,191 | 27 | 0 | 33 | 60 | 856,111 | 0 | 883,951 | 1,740,062 |
| 3rd | 24 | 0 | 24 | 48 | 51,127 | 0 | 52,862 | 103,989 | 28 | 0 | 43 | 72 | 868,638 | 0 | 898,115 | 1,766,753 |
| 4th | 5 | 19 | 24 | 48 | 7,680 | 42,430 | 52,398 | 102,508 | 8 | 38 | 35 | 81 | 127,775 | 705,924 | 871,765 | 1,705,464 |
| 5th | 0 | 24 | 24 | 48 | 0 | 42,792 | 43,785 | 86,577 | 0 | 85 | 79 | 164 | 0 | 748,197 | 765,560 | 1,513,757 |
| 6th | 0 | 17 | 24 | 41 | 0 | 26,233 | 40,744 | 66,977 | 0 | 29 | 47 | 76 | 0 | 480,495 | 746,284 | 1,226,779 |
| 7th | 0 | 24 | 24 | 48 | 0 | 42,339 | 43,354 | 85,693 | 0 | 42 | 42 | 85 | 0 | 761,073 | 779,318 | 1,540,391 |
| 8th | 0 | 24 | 24 | 48 | 0 | 48,651 | 50,365 | 99,016 | 0 | 32 | 38 | 70 | 0 | 834,903 | 864,317 | 1,699,220 |
| 9th | 0 | 24 | 24 | 48 | 0 | 49,933 | 51,737 | 101,670 | 0 | 40 | 39 | 80 | 0 | 820,670 | 850,320 | 1,670,990 |
| 10th | 0 | 24 | 24 | 48 | 0 | 49,345 | 51,096 | 100,441 | 0 | 34 | 38 | 73 | 0 | 830,880 | 860,363 | 1,691,243 |
| 11th | 0 | 24 | 24 | 48 | 0 | 49,134 | 50,934 | 100,068 | 0 | 40 | 38 | 78 | 0 | 825,734 | 855,984 | 1,681,718 |
| 12th | 0 | 24 | 24 | 48 | 0 | 45,692 | 47,378 | 93,070 | 0 | 36 | 39 | 76 | 0 | 787,097 | 816,141 | 1,603,238 |
| 13th | 0 | 17 | 24 | 41 | 0 | 26,479 | 42,480 | 68,959 | 0 | 30 | 36 | 66 | 0 | 477,646 | 766,284 | 1,243,930 |
| 14th | 0 | 13 | 24 | 37 | 0 | 27,497 | 48,345 | 75,842 | 0 | 41 | 42 | 82 | 0 | 478,197 | 840,763 | 1,318,960 |
| 15th | 0 | 23 | 20 | 43 | 0 | 51,797 | 44,808 | 96,605 | 0 | 34 | 44 | 78 | 0 | 862,449 | 746,079 | 1,608,528 |
| 16th | 0 | 24 | 24 | 48 | 0 | 51,012 | 52,812 | 103,824 | 0 | 26 | 27 | 53 | 0 | 844,773 | 874,582 | 1,719,355 |
| 17th | 0 | 24 | 24 | 48 | 0 | 51,886 | 52,874 | 104,760 | 0 | 19 | 19 | 38 | 0 | 836,868 | 852,804 | 1,689,672 |
| 18th | 0 | 24 | 24 | 48 | 0 | 48,340 | 49,300 | 97,640 | 0 | 18 | 19 | 37 | 0 | 801,358 | 817,272 | 1,618,630 |
| 19th | 0 | 17 | 24 | 41 | 0 | 31,265 | 47,197 | 78,462 | 0 | 14 | 21 | 34 | 0 | 540,350 | 815,700 | 1,356,050 |
| 20th | 0 | 6 | 24 | 30 | 0 | 7,837 | 45,181 | 53,018 | 0 | 6 | 37 | 44 | 0 | 141,079 | 813,331 | 954,410 |
| 21st | 0 | 14 | 24 | 38 | 0 | 27,782 | 44,850 | 72,632 | 0 | 14 | 23 | 37 | 0 | 494,709 | 798,637 | 1,293,346 |
| 22nd | 0 | 24 | 24 | 48 | 0 | 50,249 | 51,255 | 101,504 | 0 | 16 | 16 | 32 | 0 | 848,013 | 864,991 | 1,713,004 |
| 23rd | 0 | 24 | 24 | 48 | 0 | 51,871 | 52,844 | 104,715 | 0 | 21 | 22 | 43 | 0 | 851,047 | 867,010 | 1,718,057 |
| 24th | 0 | 24 | 24 | 48 | 0 | 51,900 | 52,822 | 104,722 | 0 | 18 | 18 | 36 | 0 | 856,250 | 871,461 | 1,727,711 |
| 25th | 0 | 24 | 24 | 48 | 0 | 51,923 | 52,881 | 104,804 | 0 | 17 | 18 | 35 | 0 | 856,338 | 872,138 | 1,728,476 |
| 26th | 0 | 23 | 24 | 47 | 0 | 45,981 | 49,363 | 95,344 | 0 | 21 | 22 | 43 | 0 | 777,807 | 835,016 | 1,612,823 |
| 27th | 0 | 7 | 24 | 31 | 0 | 10,640 | 42,321 | 52,961 | 0 | 7 | 29 | 36 | 0 | 194,898 | 775,213 | 970,111 |
| 28th | 10 | 0 | 24 | 34 | 20,026 | 0 | 44,286 | 64,312 | 19 | 0 | 43 | 62 | 375,555 | 0 | 830,511 | 1,206,066 |
| Totals | 87 | 492 | 668 | 1,247 | 180,776 | 983,008 | 1,363,534 | 2,527,318 | 108 | 680 | 953 | 1,741 | 3,108,324 | 16,656,755 | 23,342,846 | 43,107,925 |
| | Sum of Engines | | | 1,247 | Sum of Engines | | | 2,527,318 | Sum of Engines | | | 1,741 | Sum of Engines | | | 43,107,925 |



February - 2022

Daily Data for Air Permit

SD1 Flare Burners, Turbine, and Boiler

| Date | Flares A-190,191,192,193 | | Flares A-194,195 | | | Turbine | | | Boiler | | Run Time Check | |
|--------|--------------------------|--------------|------------------|--------------|-------------------------|-----------------|--------------|--------------|-----------------|--------------|----------------|---------------------|
| | Run Time Hrs | Gas cu ft | Run Time Hrs | Gas cu ft | Peak 1-hr Flow, SCFM | Run Time Hrs | Power KWh | Gas cu ft | Run Time Hrs | Gas cu ft | Engine Hrs | Eng + Boiler Hrs |
| 1st | 0 | 0 | 24 | 988,480 | 1,292 | 24 | 76,646 | 1,267,125 | 0 | 0 | 48 | 48 |
| 2nd | 0 | 0 | 18 | 576,212 | 943 | 24 | 76,673 | 1,245,462 | 0 | 0 | 48 | 48 |
| 3rd | 0 | 0 | 24 | 998,555 | 1,191 | 24 | 76,700 | 1,253,690 | 0 | 0 | 48 | 48 |
| 4th | 1 | 17,857 | 13 | 266,273 | 645 | 24 | 76,759 | 1,254,252 | 0 | 0 | 48 | 48 |
| 5th | 0.1 | 951 | 0.3 | 2,714 | 25 | 24 | 71,368 | 1,188,135 | 0 | 0 | 48 | 48 |
| 6th | 0.7 | 6,767 | 2 | 50,705 | 364 | 24 | 68,091 | 1,166,517 | 7 | 128,611 | 41 | 48 |
| 7th | 0.3 | 2,245 | 3 | 38,076 | 348 | 24 | 71,146 | 1,226,601 | 0 | 0 | 48 | 48 |
| 8th | 0 | 0 | 18 | 1,216,594 | 1,560 | 24 | 76,379 | 1,290,981 | 0 | 0 | 48 | 48 |
| 9th | 0 | 0 | 24 | 1,036,180 | 1,163 | 24 | 76,502 | 1,252,718 | 0 | 0 | 48 | 48 |
| 10th | 0 | 0 | 24 | 935,248 | 1,207 | 24 | 76,452 | 1,277,009 | 0 | 0 | 48 | 48 |
| 11th | 0 | 0 | 24 | 760,288 | 1,151 | 24 | 75,649 | 1,248,045 | 0.8 | 17,051 | 48 | 49 |
| 12th | 0 | 0 | 24 | 481,786 | 911 | 24 | 75,816 | 1,251,555 | 0 | 0 | 48 | 48 |
| 13th | 0 | 0 | 18 | 163,423 | 168 | 24 | 68,921 | 1,182,275 | 2 | 25,244 | 41 | 43 |
| 14th | 0 | 0 | 19 | 766,827 | 1,003 | 24 | 77,798 | 1,353,302 | 11 | 147,817 | 37 | 48 |
| 15th | 0.1 | 1,336 | 24 | 994,104 | 1,495 | 24 | 79,978 | 1,348,263 | 3 | 50,903 | 43 | 46 |
| 16th | 0 | 0 | 24 | 1,661,560 | 1,884 | 24 | 77,842 | 1,289,593 | 0.3 | 5,480 | 48 | 48 |
| 17th | 0 | 0 | 24 | 1,656,799 | 1,516 | 24 | 77,776 | 1,259,249 | 0 | 0 | 48 | 48 |
| 18th | 0 | 0 | 24 | 544,450 | 716 | 24 | 73,939 | 1,226,004 | 0 | 0 | 48 | 48 |
| 19th | 0 | 0 | 24 | 317,720 | 421 | 24 | 74,242 | 1,251,117 | 7 | 100,260 | 41 | 48 |
| 20th | 0 | 0 | 24 | 235,058 | 269 | 24 | 72,226 | 1,232,942 | 16 | 223,125 | 30 | 46 |
| 21st | 0 | 0 | 24 | 318,565 | 539 | 24 | 68,894 | 1,220,415 | 9 | 133,513 | 38 | 47 |
| 22nd | 0 | 0 | 24 | 687,328 | 868 | 24 | 76,275 | 1,291,107 | 0 | 0 | 48 | 48 |
| 23rd | 0 | 0 | 23 | 969,252 | 1,308 | 24 | 78,982 | 1,288,345 | 0 | 0 | 48 | 48 |
| 24th | 0 | 0 | 24 | 808,897 | 964 | 24 | 78,879 | 1,292,688 | 0 | 0 | 48 | 48 |
| 25th | 0 | 0 | 24 | 634,683 | 653 | 24 | 79,034 | 1,297,405 | 0 | 0 | 48 | 48 |
| 26th | 0 | 0 | 24 | 365,281 | 372 | 24 | 76,982 | 1,297,157 | 2 | 23,861 | 47 | 49 |
| 27th | 0 | 0 | 24 | 232,398 | 190 | 24 | 66,752 | 1,158,581 | 17 | 248,075 | 31 | 48 |
| 28th | 0 | 0 | 24 | 233,715 | 275 | 24 | 68,062 | 1,226,581 | 13 | 183,295 | 34 | 47 |
| Totals | 3 | 29,156 | 570 | 17,941,171 | | 672 | 2,094,763 | 35,137,114 | 88 | 1,287,235 | 1,247 | 1,335 |
| | | | | Maximum | 1,884 | | | | | | Maximum | 49 |



March - 2022

Daily Data for Air Permit

Elmer E. Ross Power Station

| Date | Run Time, Hours | | | | KiloWatt Hours Generated | | | | Fuel Oil Used, gal | | | | Gas, Roots Meter, cu ft | | | |
|---------------|-----------------|-------|-------|-------|--------------------------|---------|-----------|-----------|--------------------|--------|--------|-------|-------------------------|------------|------------|------------|
| | Eng 1 | Eng 2 | Eng 3 | Total | Gen. 1 | Gen 2 | Gen 3 | Total | Eng. 1 | Eng. 2 | Eng. 3 | Total | Eng. 1 | Eng. 2 | Eng. 3 | Total |
| 1st | 20 | 4 | 24 | 48 | 32,663 | 11,522 | 45,603 | 89,788 | 28 | 10 | 40 | 78 | 595,191 | 209,956 | 830,987 | 1,636,134 |
| 2nd | 0 | 24 | 24 | 48 | 0 | 51,830 | 52,922 | 104,752 | 0 | 19 | 19 | 39 | 0 | 868,103 | 886,393 | 1,754,496 |
| 3rd | 0 | 24 | 24 | 48 | 0 | 51,824 | 52,850 | 104,674 | 0 | 23 | 24 | 47 | 0 | 848,878 | 865,683 | 1,714,561 |
| 4th | 0 | 24 | 24 | 48 | 0 | 51,909 | 52,900 | 104,809 | 0 | 23 | 23 | 46 | 0 | 847,563 | 863,743 | 1,711,306 |
| 5th | 0 | 24 | 24 | 48 | 0 | 50,193 | 51,144 | 101,337 | 0 | 20 | 20 | 40 | 0 | 836,956 | 852,813 | 1,689,769 |
| 6th | 0 | 16 | 23 | 39 | 0 | 22,381 | 36,705 | 59,086 | 0 | 18 | 30 | 48 | 0 | 406,198 | 666,167 | 1,072,365 |
| 7th | 0 | 15 | 17 | 32 | 0 | 32,874 | 38,984 | 71,858 | 0 | 19 | 23 | 42 | 0 | 577,027 | 684,275 | 1,261,302 |
| 8th | 13 | 11 | 24 | 48 | 29,959 | 19,471 | 50,789 | 100,219 | 20 | 13 | 35 | 68 | 522,219 | 339,401 | 885,309 | 1,746,929 |
| 9th | 24 | 0 | 24 | 48 | 48,988 | 0 | 50,558 | 99,546 | 42 | 0 | 43 | 85 | 850,819 | 0 | 878,086 | 1,728,905 |
| 10th | 24 | 0 | 24 | 48 | 51,223 | 0 | 52,831 | 104,054 | 36 | 0 | 37 | 72 | 881,577 | 0 | 909,252 | 1,790,829 |
| 11th | 24 | 0 | 24 | 48 | 51,229 | 0 | 52,814 | 104,043 | 36 | 0 | 37 | 72 | 878,894 | 0 | 906,087 | 1,784,981 |
| 12th | 24 | 0 | 24 | 48 | 50,743 | 0 | 52,281 | 103,024 | 42 | 0 | 43 | 85 | 874,014 | 0 | 900,506 | 1,774,520 |
| 13th | 16 | 0 | 23 | 39 | 26,811 | 0 | 45,149 | 71,960 | 34 | 0 | 58 | 93 | 482,152 | 0 | 811,932 | 1,294,084 |
| 14th | 17 | 0 | 24 | 41 | 38,993 | 0 | 52,628 | 91,621 | 26 | 0 | 35 | 62 | 687,896 | 0 | 928,439 | 1,616,335 |
| 15th | 24 | 0 | 24 | 48 | 51,227 | 0 | 52,887 | 104,114 | 38 | 0 | 39 | 77 | 898,469 | 0 | 927,583 | 1,826,052 |
| 16th | 24 | 0 | 24 | 48 | 51,232 | 0 | 52,845 | 104,077 | 34 | 0 | 35 | 69 | 863,176 | 0 | 890,353 | 1,753,529 |
| 17th | 24 | 0 | 24 | 48 | 50,670 | 0 | 52,259 | 102,929 | 41 | 0 | 42 | 82 | 872,078 | 0 | 899,427 | 1,771,505 |
| 18th | 24 | 0 | 24 | 48 | 51,233 | 0 | 52,863 | 104,096 | 38 | 0 | 39 | 77 | 877,673 | 0 | 905,596 | 1,783,269 |
| 19th | 24 | 0 | 24 | 48 | 51,246 | 0 | 52,799 | 104,045 | 33 | 0 | 34 | 66 | 879,436 | 0 | 906,088 | 1,785,524 |
| 20th | 23 | 0 | 24 | 47 | 44,143 | 0 | 50,274 | 94,417 | 47 | 0 | 53 | 100 | 781,481 | 0 | 890,021 | 1,671,502 |
| 21st | 24 | 15 | 10 | 49 | 47,764 | 32,130 | 16,194 | 96,088 | 20 | 13 | 7 | 39 | 845,807 | 568,960 | 286,764 | 1,701,531 |
| 22nd | 24 | 23 | 16 | 63 | 50,239 | 50,991 | 32,985 | 134,215 | 26 | 27 | 17 | 70 | 853,347 | 866,120 | 560,275 | 2,279,742 |
| 23rd | 24 | 24 | 0 | 48 | 51,128 | 51,843 | 0 | 102,971 | 17 | 17 | 0 | 35 | 871,575 | 883,764 | 0 | 1,755,339 |
| 24th | 24 | 24 | 0 | 48 | 51,251 | 51,957 | 0 | 103,208 | 15 | 16 | 0 | 31 | 849,972 | 861,681 | 0 | 1,711,653 |
| 25th | 24 | 24 | 2 | 50 | 50,821 | 51,514 | 4,812 | 107,147 | 12 | 12 | 1 | 26 | 846,818 | 858,366 | 80,181 | 1,785,365 |
| 26th | 24 | 24 | 0 | 48 | 50,084 | 50,630 | 0 | 100,714 | 17 | 17 | 0 | 33 | 857,237 | 866,582 | 0 | 1,723,819 |
| 27th | 18 | 24 | 0 | 42 | 31,419 | 42,489 | 0 | 73,908 | 12 | 16 | 0 | 28 | 570,690 | 771,764 | 0 | 1,342,454 |
| 28th | 15 | 24 | 0 | 39 | 33,240 | 47,324 | 0 | 80,564 | 12 | 18 | 0 | 30 | 584,956 | 832,806 | 0 | 1,417,762 |
| 29th | 24 | 24 | 0 | 48 | 51,182 | 51,802 | 0 | 102,984 | 16 | 17 | 0 | 33 | 873,999 | 884,586 | 0 | 1,758,585 |
| 30th | 24 | 24 | 0 | 48 | 45,937 | 46,606 | 0 | 92,543 | 14 | 14 | 0 | 28 | 802,619 | 814,308 | 0 | 1,616,927 |
| 31st | 24 | 24 | 0 | 48 | 46,732 | 47,053 | 0 | 93,785 | 15 | 15 | 0 | 29 | 816,006 | 821,612 | 0 | 1,637,618 |
| Totals | 554 | 396 | 499 | 1,449 | 1,140,157 | 816,343 | 1,056,076 | 3,012,576 | 670 | 327 | 733 | 1,730 | 19,718,101 | 13,964,631 | 18,215,960 | 51,898,692 |

Sum of Engines 1,449

Sum of Engines 3,012,576

Sum of Engines 1,730

Sum of Engines 51,898,692



March - 2022

Daily Data for Air Permit

SD1 Flare Burners, Turbine, and Boiler

| Date | Flares A-190,191,192,193 | | Flares A-194,195 | | | Turbine | | | Boiler | | Run Time Check | |
|--------|--------------------------|--------------|------------------|--------------|-------------------------|-----------------|--------------|--------------|-----------------|--------------|----------------|---------------------|
| | Run Time Hrs | Gas cu ft | Run Time Hrs | Gas cu ft | Peak 1-hr Flow, SCFM | Run Time Hrs | Power KWh | Gas cu ft | Run Time Hrs | Gas cu ft | Engine Hrs | Eng + Boiler Hrs |
| 1st | 0 | 0 | 24 | 874,655 | 1,320 | 24 | 77,357 | 1,321,019 | 0 | 0 | 48 | 48 |
| 2nd | 0.3 | 5,545 | 24 | 1,405,230 | 1,734 | 24 | 79,503 | 1,303,766 | 0 | 0 | 48 | 48 |
| 3rd | 7 | 121,981 | 24 | 1,729,384 | 1,664 | 24 | 79,866 | 1,284,383 | 0 | 0 | 48 | 48 |
| 4th | 0 | 0 | 24 | 1,050,520 | 1,415 | 24 | 80,671 | 1,288,782 | 0 | 0 | 48 | 48 |
| 5th | 0 | 0 | 24 | 464,668 | 568 | 24 | 74,960 | 1,236,376 | 0 | 0 | 48 | 48 |
| 6th | 0 | 0 | 24 | 252,106 | 194 | 24 | 65,411 | 1,189,043 | 7 | 116,442 | 39 | 46 |
| 7th | 0 | 0 | 24 | 243,121 | 314 | 24 | 80,347 | 1,357,486 | 8 | 137,969 | 32 | 40 |
| 8th | 0 | 0 | 24 | 1,004,112 | 1,181 | 24 | 74,384 | 1,265,647 | 0 | 0 | 48 | 48 |
| 9th | 0 | 0 | 24 | 703,874 | 1,061 | 24 | 75,262 | 1,252,483 | 0 | 0 | 48 | 48 |
| 10th | 0 | 0 | 24 | 1,587,261 | 1,429 | 24 | 76,701 | 1,277,903 | 0 | 0 | 48 | 48 |
| 11th | 0 | 0 | 24 | 1,899,190 | 1,686 | 24 | 76,764 | 1,276,488 | 0 | 0 | 48 | 48 |
| 12th | 0.1 | 2,225 | 24 | 863,101 | 930 | 24 | 75,643 | 1,231,501 | 0 | 0 | 48 | 48 |
| 13th | 0 | 0 | 23 | 258,514 | 300 | 23 | 69,409 | 1,175,776 | 7 | 107,050 | 39 | 46 |
| 14th | 0 | 0 | 24 | 977,147 | 1,107 | 24 | 78,601 | 1,317,948 | 6 | 76,694 | 41 | 47 |
| 15th | 4 | 68,591 | 24 | 1,646,203 | 1,928 | 23 | 68,963 | 1,174,711 | 0 | 0 | 48 | 48 |
| 16th | 5 | 100,878 | 24 | 1,795,074 | 1,647 | 24 | 74,240 | 1,201,770 | 6 | 78,794 | 48 | 54 |
| 17th | 0 | 0 | 24 | 1,398,154 | 1,429 | 24 | 72,502 | 1,208,125 | 4 | 56,081 | 48 | 52 |
| 18th | 3 | 41,362 | 24 | 1,864,161 | 1,599 | 23 | 68,678 | 1,164,786 | 0 | 0 | 48 | 48 |
| 19th | 0 | 0 | 24 | 1,271,230 | 1,669 | 24 | 74,203 | 1,232,901 | 0 | 0 | 48 | 48 |
| 20th | 0 | 0 | 24 | 288,410 | 465 | 24 | 71,054 | 1,213,795 | 1.2 | 20,469 | 47 | 48 |
| 21st | 0 | 0 | 24 | 866,891 | 1,278 | 24 | 70,762 | 1,228,682 | 0 | 0 | 49 | 49 |
| 22nd | 0 | 0 | 24 | 969,179 | 1,214 | 9 | 26,583 | 467,941 | 0 | 0 | 63 | 63 |
| 23rd | 0 | 0 | 24 | 1,384,094 | 1,545 | 24 | 84,236 | 1,376,691 | 0 | 0 | 48 | 48 |
| 24th | 0.7 | 8,623 | 24 | 1,694,376 | 1,448 | 24 | 91,223 | 1,463,283 | 0 | 0 | 48 | 48 |
| 25th | 0.1 | 100 | 24 | 956,674 | 1,105 | 22 | 81,703 | 1,309,502 | 0 | 0 | 50 | 50 |
| 26th | 0.1 | 1,355 | 24 | 553,024 | 664 | 24 | 79,198 | 1,316,879 | 0 | 0 | 48 | 48 |
| 27th | 0 | 0 | 24 | 244,793 | 220 | 24 | 65,380 | 1,176,481 | 6 | 116,084 | 42 | 48 |
| 28th | 0.5 | 2,618 | 24 | 831,103 | 1,139 | 24 | 72,039 | 1,224,688 | 8 | 150,022 | 39 | 47 |
| 29th | 0 | 0 | 24 | 751,959 | 885 | 24 | 80,243 | 1,321,961 | 0 | 0 | 48 | 48 |
| 30th | 0 | 0 | 24 | 514,154 | 932 | 21 | 67,106 | 1,121,720 | 6 | 169,841 | 48 | 54 |
| 31st | 0 | 0 | 24 | 676,306 | 796 | 24 | 70,542 | 1,208,161 | 12 | 270,414 | 48 | 60 |
| Totals | 20 | 353,278 | 743 | 31,018,668 | | 719 | 2,283,534 | 38,190,678 | 70 | 1,299,860 | 1,449 | 1,519 |
| | | | Maximum | 1,928 | | | | | | Maximum | 63 | |



April - 2022

Daily Data for Air Permit

Elmer E. Ross Power Station

| Date | Run Time, Hours | | | | KiloWatt Hours Generated | | | | Fuel Oil Used, gal | | | | Gas, Roots Meter, cu ft | | | |
|---------------|-----------------|-------|-------|-------|--------------------------|---------|-----------|-----------|--------------------|--------|--------|-------|-------------------------|------------|------------|------------|
| | Eng 1 | Eng 2 | Eng 3 | Total | Gen. 1 | Gen 2 | Gen 3 | Total | Eng. 1 | Eng. 2 | Eng. 3 | Total | Eng. 1 | Eng. 2 | Eng. 3 | Total |
| 1st | 24 | 24 | 0 | 48 | 47,619 | 48,042 | 0 | 95,661 | 15 | 15 | 0 | 30 | 828,351 | 835,709 | 0 | 1,664,060 |
| 2nd | 24 | 24 | 0 | 48 | 46,042 | 49,626 | 0 | 95,668 | 13 | 14 | 0 | 27 | 790,351 | 851,873 | 0 | 1,642,224 |
| 3rd | 3 | 10 | 12 | 25 | 5,170 | 18,589 | 26,723 | 50,482 | 7 | 25 | 37 | 69 | 90,065 | 323,835 | 465,535 | 879,435 |
| 4th | 9 | 0 | 18 | 27 | 20,950 | 0 | 37,484 | 58,434 | 23 | 0 | 41 | 64 | 375,710 | 0 | 672,224 | 1,047,934 |
| 5th | 24 | 12 | 13 | 49 | 51,041 | 27,450 | 24,775 | 103,266 | 21 | 29 | 27 | 77 | 879,141 | 472,804 | 426,730 | 1,778,675 |
| 6th | 24 | 24 | 0 | 48 | 51,306 | 51,934 | 0 | 103,240 | 22 | 30 | 0 | 52 | 858,876 | 869,389 | 0 | 1,728,265 |
| 7th | 24 | 24 | 2 | 50 | 49,975 | 50,603 | 5,447 | 106,025 | 30 | 47 | 14 | 91 | 845,602 | 856,228 | 92,166 | 1,793,996 |
| 8th | 24 | 24 | 0 | 48 | 51,204 | 51,855 | 0 | 103,059 | 25 | 28 | 0 | 52 | 856,582 | 867,472 | 0 | 1,724,054 |
| 9th | 24 | 24 | 0 | 48 | 46,985 | 50,133 | 0 | 97,118 | 22 | 37 | 0 | 59 | 794,426 | 847,652 | 0 | 1,642,078 |
| 10th | 0.4 | 24 | 0 | 24 | 670 | 45,612 | 0 | 46,282 | 50 | 34 | 0 | 84 | 11,381 | 774,764 | 0 | 786,145 |
| 11th | 0 | 15 | 16 | 31 | 0 | 29,134 | 34,372 | 63,506 | 0 | 36 | 30 | 67 | 0 | 503,684 | 594,242 | 1,097,926 |
| 12th | 0 | 24 | 24 | 48 | 0 | 50,041 | 51,257 | 101,298 | 0 | 39 | 32 | 71 | 0 | 854,091 | 874,846 | 1,728,937 |
| 13th | 10 | 21 | 13 | 44 | 21,597 | 43,156 | 25,604 | 90,357 | 19 | 51 | 29 | 99 | 358,320 | 716,009 | 424,801 | 1,499,130 |
| 14th | 24 | 24 | 0.1 | 48 | 51,203 | 51,913 | 18 | 103,134 | 22 | 37 | 6 | 65 | 855,063 | 866,920 | 301 | 1,722,284 |
| 15th | 24 | 8 | 14 | 46 | 49,472 | 14,280 | 30,539 | 94,291 | 30 | 11 | 36 | 77 | 850,097 | 245,379 | 524,764 | 1,620,240 |
| 16th | 23 | 0 | 23 | 46 | 51,180 | 0 | 52,885 | 104,065 | 27 | 0 | 36 | 63 | 899,531 | 0 | 929,498 | 1,829,029 |
| 17th | 24 | 0 | 24 | 48 | 50,616 | 0 | 52,234 | 102,850 | 20 | 0 | 39 | 59 | 899,252 | 0 | 927,997 | 1,827,249 |
| 18th | 24 | 0 | 24 | 48 | 49,441 | 0 | 51,130 | 100,571 | 27 | 0 | 32 | 59 | 897,075 | 0 | 927,720 | 1,824,795 |
| 19th | 24 | 0 | 24 | 48 | 51,298 | 0 | 52,898 | 104,196 | 23 | 0 | 37 | 59 | 895,961 | 0 | 923,907 | 1,819,868 |
| 20th | 24 | 0 | 24 | 48 | 48,735 | 0 | 50,288 | 99,023 | 37 | 0 | 53 | 90 | 828,942 | 0 | 855,357 | 1,684,299 |
| 21st | 24 | 0 | 24 | 48 | 50,597 | 0 | 52,337 | 102,934 | 25 | 0 | 32 | 57 | 894,286 | 0 | 925,040 | 1,819,326 |
| 22nd | 24 | 0 | 24 | 48 | 51,082 | 0 | 52,808 | 103,890 | 26 | 0 | 39 | 65 | 875,334 | 0 | 904,910 | 1,780,244 |
| 23rd | 24 | 0 | 24 | 48 | 50,880 | 0 | 52,642 | 103,522 | 24 | 0 | 34 | 58 | 879,886 | 0 | 910,357 | 1,790,243 |
| 24th | 6 | 0 | 22 | 28 | 8,431 | 0 | 45,458 | 53,889 | 8 | 0 | 41 | 50 | 149,111 | 0 | 803,975 | 953,086 |
| 25th | 12 | 14 | 0 | 26 | 27,938 | 31,977 | 0 | 59,915 | 25 | 39 | 0 | 63 | 491,772 | 562,868 | 0 | 1,054,640 |
| 26th | 24 | 24 | 0 | 48 | 51,277 | 51,925 | 0 | 103,202 | 26 | 30 | 0 | 56 | 863,145 | 874,053 | 0 | 1,737,198 |
| 27th | 24 | 24 | 0 | 48 | 51,270 | 51,945 | 0 | 103,215 | 23 | 24 | 0 | 47 | 853,202 | 864,434 | 0 | 1,717,636 |
| 28th | 24 | 24 | 0 | 48 | 51,227 | 51,823 | 0 | 103,050 | 23 | 37 | 0 | 59 | 859,334 | 869,332 | 0 | 1,728,666 |
| 29th | 24 | 24 | 0 | 48 | 51,215 | 51,802 | 0 | 103,017 | 21 | 30 | 0 | 51 | 865,632 | 875,553 | 0 | 1,741,185 |
| 30th | 24 | 24 | 0 | 48 | 51,238 | 51,851 | 0 | 103,089 | 26 | 30 | 0 | 56 | 866,219 | 876,582 | 0 | 1,742,801 |
| Totals | 567 | 416 | 325 | 1,308 | 1,189,659 | 873,691 | 698,899 | 2,762,249 | 658 | 623 | 595 | 1,876 | 20,412,647 | 14,808,631 | 12,184,370 | 47,405,648 |
| | Sum of Engines | | 1,308 | | Sum of Engines | | 2,762,249 | | Sum of Engines | | 1,876 | | Sum of Engines | | 47,405,648 | |



April - 2022

Daily Data for Air Permit

SD1 Flare Burners, Turbine, and Boiler

| Date | Flares A-190,191,192,193 | | Flares A-194,195 | | | Turbine | | | Boiler | | Run Time Check | |
|---------------|--------------------------|--------------|------------------|--------------|-------------------------|-----------------|--------------|--------------|-----------------|--------------|----------------|---------------------|
| | Run Time Hrs | Gas cu ft | Run Time Hrs | Gas cu ft | Peak 1-hr Flow, SCFM | Run Time Hrs | Power KWh | Gas cu ft | Run Time Hrs | Gas cu ft | Engine Hrs | Eng + Boiler Hrs |
| 1st | 0 | 0 | 24 | 676,014 | 1,089 | 24 | 77,056 | 1,291,093 | 0 | 0 | 48 | 48 |
| 2nd | 0 | 0 | 24 | 409,190 | 457 | 24 | 77,664 | 1,312,519 | 1.5 | 32,705 | 48 | 50 |
| 3rd | 0 | 0 | 24 | 306,162 | 474 | 24 | 79,409 | 1,320,268 | 14 | 306,040 | 25 | 39 |
| 4th | 0.4 | 9,588 | 24 | 949,066 | 1,606 | 24 | 79,834 | 1,358,848 | 12 | 260,778 | 27 | 39 |
| 5th | 0 | 0 | 24 | 827,389 | 1,126 | 24 | 82,721 | 1,368,652 | 0 | 0 | 49 | 49 |
| 6th | 0 | 0 | 24 | 812,912 | 896 | 24 | 90,504 | 1,456,015 | 0 | 0 | 48 | 48 |
| 7th | 1.1 | 10,896 | 24 | 1,455,905 | 1,737 | 21 | 72,549 | 1,187,236 | 0 | 0 | 50 | 50 |
| 8th | 0 | 0 | 24 | 1,199,708 | 1,289 | 24 | 78,621 | 1,303,089 | 0 | 0 | 48 | 48 |
| 9th | 0 | 0 | 24 | 375,166 | 427 | 24 | 80,320 | 1,328,883 | 2 | 19,632 | 48 | 50 |
| 10th | 0 | 0 | 24 | 437,746 | 496 | 24 | 70,049 | 1,215,056 | 15 | 171,399 | 24 | 39 |
| 11th | 0 | 0 | 24 | 523,090 | 834 | 23 | 74,789 | 1,235,238 | 12 | 183,639 | 31 | 43 |
| 12th | 0.2 | 1,395 | 24 | 967,267 | 1,309 | 23 | 76,293 | 1,291,569 | 0 | 0 | 48 | 48 |
| 13th | 0.8 | 7,373 | 24 | 1,092,304 | 1,204 | 24 | 95,466 | 1,505,089 | 1.0 | 26,111 | 44 | 45 |
| 14th | 0.3 | 2,970 | 24 | 1,631,078 | 1,773 | 19 | 72,849 | 1,153,144 | 5 | 139,343 | 48 | 53 |
| 15th | 0 | 0 | 24 | 1,388,065 | 1,538 | 0 | 0 | 0 | 24 | 738,345 | 46 | 70 |
| 16th | 0 | 0 | 24 | 1,520,852 | 1,396 | 0 | 0 | 0 | 24 | 631,666 | 46 | 70 |
| 17th | 0 | 0 | 22 | 679,985 | 740 | 0 | 0 | 0 | 24 | 620,527 | 48 | 72 |
| 18th | 0 | 0 | 24 | 1,148,712 | 1,430 | 0 | 0 | 0 | 24 | 632,125 | 48 | 72 |
| 19th | 10 | 306,744 | 15 | 1,261,926 | 2,153 | 10 | 36,392 | 617,411 | 13 | 357,218 | 48 | 61 |
| 20th | 24 | 417,546 | 0.4 | 7,460 | 124 | 24 | 89,180 | 1,429,749 | 0.7 | 12,531 | 48 | 49 |
| 21st | 19 | 507,683 | 4 | 164,275 | 821 | 21 | 73,672 | 1,210,036 | 2 | 48,375 | 48 | 50 |
| 22nd | 24 | 498,500 | 0 | 0 | 0 | 24 | 90,512 | 1,441,506 | 0 | 0 | 48 | 48 |
| 23rd | 12 | 143,403 | 0 | 0 | 0 | 24 | 87,677 | 1,417,734 | 0 | 0 | 48 | 48 |
| 24th | 2 | 13,567 | 0 | 0 | 0 | 24 | 84,734 | 1,388,347 | 12 | 172,891 | 28 | 40 |
| 25th | 5 | 68,583 | 14 | 457,676 | 849 | 24 | 88,185 | 1,464,569 | 9 | 174,646 | 26 | 35 |
| 26th | 6 | 91,910 | 24 | 1,260,341 | 1,368 | 24 | 83,433 | 1,336,987 | 0 | 0 | 48 | 48 |
| 27th | 15 | 295,065 | 14 | 598,060 | 1,099 | 24 | 83,969 | 1,336,328 | 0 | 0 | 48 | 48 |
| 28th | 24 | 445,357 | 0.03 | 484 | 8 | 24 | 87,885 | 1,424,765 | 0 | 0 | 48 | 48 |
| 29th | 19 | 331,684 | 0 | 0 | 0 | 24 | 90,239 | 1,466,195 | 0 | 0 | 48 | 48 |
| 30th | 24 | 469,883 | 0.1 | 1,133 | 19 | 24 | 89,726 | 1,441,951 | 0 | 0 | 48 | 48 |
| Totals | 187 | 3,622,147 | 501 | 20,151,966 | | 597 | 2,093,728 | 34,302,277 | 196 | 4,527,971 | 1,308 | 1,504 |
| | | | | | Maximum | 2,153 | | | | | Maximum | 72 |



May - 2022

Daily Data for Air Permit

Elmer E. Ross Power Station

| Date | Run Time, Hours | | | | KiloWatt Hours Generated | | | | Fuel Oil Used, gal | | | | Gas, Roots Meter, cu ft | | | |
|--------|-----------------|-------|-------|-------|--------------------------|---------|-----------|-----------|--------------------|--------|--------|-------|-------------------------|------------|------------|------------|
| | Eng 1 | Eng 2 | Eng 3 | Total | Gen. 1 | Gen 2 | Gen 3 | Total | Eng. 1 | Eng. 2 | Eng. 3 | Total | Eng. 1 | Eng. 2 | Eng. 3 | Total |
| 1st | 24 | 24 | 0 | 48 | 41,366 | 41,844 | 0 | 83,210 | 23 | 31 | 0 | 54 | 745,814 | 754,433 | 0 | 1,500,247 |
| 2nd | 24 | 23 | 0 | 47 | 45,384 | 43,253 | 0 | 88,637 | 54 | 50 | 0 | 103 | 810,355 | 772,305 | 0 | 1,582,660 |
| 3rd | 23 | 24 | 0 | 47 | 50,934 | 51,501 | 0 | 102,435 | 24 | 33 | 0 | 56 | 855,272 | 864,793 | 0 | 1,720,065 |
| 4th | 24 | 24 | 0 | 48 | 50,550 | 51,101 | 0 | 101,651 | 22 | 27 | 0 | 49 | 860,423 | 869,802 | 0 | 1,730,225 |
| 5th | 24 | 24 | 0 | 48 | 51,250 | 51,806 | 0 | 103,056 | 26 | 29 | 0 | 55 | 875,812 | 885,314 | 0 | 1,761,126 |
| 6th | 10 | 24 | 14 | 48 | 18,365 | 51,121 | 31,607 | 101,093 | 12 | 32 | 31 | 75 | 313,093 | 871,528 | 538,847 | 1,723,468 |
| 7th | 0 | 24 | 24 | 48 | 0 | 50,802 | 51,683 | 102,485 | 0 | 28 | 36 | 64 | 0 | 847,600 | 862,299 | 1,709,899 |
| 8th | 0 | 24 | 20 | 44 | 0 | 41,861 | 33,652 | 75,513 | 0 | 28 | 32 | 60 | 0 | 751,485 | 604,117 | 1,355,602 |
| 9th | 1 | 24 | 18 | 43 | 433 | 48,225 | 37,060 | 85,718 | 12 | 32 | 29 | 72 | 7,618 | 848,444 | 652,013 | 1,508,075 |
| 10th | 19 | 24 | 4 | 47 | 43,983 | 51,274 | 7,113 | 102,370 | 27 | 29 | 15 | 71 | 760,348 | 886,390 | 122,965 | 1,769,703 |
| 11th | 24 | 24 | 0 | 48 | 51,179 | 51,788 | 0 | 102,967 | 26 | 27 | 0 | 53 | 866,427 | 876,736 | 0 | 1,743,163 |
| 12th | 24 | 24 | 0 | 48 | 49,897 | 50,535 | 0 | 100,432 | 25 | 32 | 0 | 57 | 839,487 | 850,220 | 0 | 1,689,707 |
| 13th | 24 | 24 | 0 | 48 | 51,187 | 51,754 | 0 | 102,941 | 22 | 29 | 0 | 51 | 863,505 | 873,070 | 0 | 1,736,575 |
| 14th | 24 | 24 | 0 | 48 | 46,126 | 46,730 | 0 | 92,856 | 31 | 29 | 0 | 60 | 798,489 | 808,944 | 0 | 1,607,433 |
| 15th | 24 | 7 | 0 | 31 | 39,546 | 9,473 | 0 | 49,019 | 27 | 11 | 0 | 38 | 733,813 | 175,780 | 0 | 909,593 |
| 16th | 15 | 0 | 18 | 33 | 31,469 | 0 | 38,366 | 69,835 | 39 | 0 | 29 | 68 | 575,881 | 0 | 702,096 | 1,277,977 |
| 17th | 24 | 0 | 24 | 48 | 49,982 | 0 | 51,409 | 101,391 | 26 | 0 | 44 | 69 | 872,956 | 0 | 897,880 | 1,770,836 |
| 18th | 24 | 0 | 24 | 48 | 47,775 | 0 | 49,452 | 97,227 | 22 | 0 | 38 | 59 | 846,917 | 0 | 876,646 | 1,723,563 |
| 19th | 24 | 0 | 24 | 48 | 48,300 | 0 | 47,347 | 95,647 | 30 | 0 | 31 | 61 | 844,920 | 0 | 828,250 | 1,673,170 |
| 20th | 24 | 0 | 24 | 48 | 47,763 | 0 | 48,042 | 95,805 | 25 | 0 | 29 | 54 | 833,945 | 0 | 838,816 | 1,672,761 |
| 21st | 24 | 0 | 23 | 47 | 48,279 | 0 | 45,647 | 93,926 | 16 | 0 | 42 | 57 | 841,745 | 0 | 795,856 | 1,637,601 |
| 22nd | 24 | 0 | 0 | 24 | 49,489 | 0 | 0 | 49,489 | 26 | 0 | 0 | 26 | 882,633 | 0 | 0 | 882,633 |
| 23rd | 15 | 0 | 16 | 31 | 26,941 | 0 | 31,201 | 58,142 | 36 | 0 | 33 | 70 | 492,547 | 0 | 570,431 | 1,062,978 |
| 24th | 24 | 0 | 24 | 48 | 49,767 | 0 | 52,391 | 102,158 | 26 | 0 | 30 | 56 | 870,560 | 0 | 916,460 | 1,787,020 |
| 25th | 24 | 0 | 24 | 48 | 51,132 | 0 | 52,847 | 103,979 | 35 | 0 | 40 | 75 | 898,668 | 0 | 928,809 | 1,827,477 |
| 26th | 24 | 20 | 4 | 48 | 51,272 | 44,859 | 6,549 | 102,680 | 27 | 33 | 6 | 66 | 876,666 | 767,015 | 111,977 | 1,755,658 |
| 27th | 22 | 21 | 0 | 43 | 44,234 | 44,662 | 0 | 88,896 | 46 | 38 | 0 | 85 | 750,341 | 757,602 | 0 | 1,507,943 |
| 28th | 16 | 4 | 0 | 20 | 35,532 | 7,855 | 0 | 43,387 | 32 | 19 | 0 | 51 | 613,980 | 135,731 | 0 | 749,711 |
| 29th | 24 | 0 | 0 | 24 | 49,219 | 0 | 0 | 49,219 | 30 | 0 | 0 | 30 | 877,716 | 0 | 0 | 877,716 |
| 30th | 24 | 0 | 0 | 24 | 51,191 | 0 | 0 | 51,191 | 28 | 0 | 0 | 28 | 919,371 | 0 | 0 | 919,371 |
| 31st | 24 | 0 | 10 | 34 | 50,094 | 0 | 22,223 | 72,317 | 29 | 0 | 43 | 72 | 893,203 | 0 | 396,248 | 1,289,451 |
| Totals | 625 | 387 | 295 | 1,307 | 1,272,639 | 790,444 | 606,589 | 2,669,672 | 804 | 536 | 507 | 1,847 | 22,222,505 | 13,597,192 | 10,643,710 | 46,463,407 |
| | Sum of Engines | | 1,307 | | Sum of Engines | | 2,669,672 | | Sum of Engines | | 1,847 | | Sum of Engines | | 46,463,407 | |



May - 2022

Daily Data for Air Permit

SD1 Flare Burners, Turbine, and Boiler

| Date | Flares A-190,191,192,193 | | Flares A-194,195 | | | Turbine | | | Boiler | | Run Time Check | |
|--------|--------------------------|--------------|------------------|--------------|-------------------------|-----------------|--------------|--------------|-----------------|--------------|----------------|---------------------|
| | Run Time Hrs | Gas cu ft | Run Time Hrs | Gas cu ft | Peak 1-hr Flow, SCFM | Run Time Hrs | Power KWh | Gas cu ft | Run Time Hrs | Gas cu ft | Engine Hrs | Eng + Boiler Hrs |
| 1st | 0.8 | 8,075 | 0 | 0 | 0 | 24 | 74,385 | 1,244,803 | 0 | 0 | 48 | 48 |
| 2nd | 15 | 414,722 | 3 | 143,738 | 1,139 | 24 | 87,381 | 1,450,465 | 0 | 0 | 47 | 47 |
| 3rd | 4 | 124,633 | 20 | 1,351,833 | 1,311 | 24 | 90,699 | 1,452,550 | 0 | 0 | 47 | 47 |
| 4th | 0 | 0 | 24 | 818,410 | 947 | 24 | 92,262 | 1,450,312 | 0 | 0 | 48 | 48 |
| 5th | 0 | 0 | 24 | 841,628 | 1,022 | 24 | 92,396 | 1,500,105 | 0 | 0 | 48 | 48 |
| 6th | 0.6 | 10,000 | 24 | 921,014 | 1,130 | 24 | 87,597 | 1,419,787 | 0.4 | 13,037 | 48 | 48 |
| 7th | 0.5 | 8,601 | 18 | 743,358 | 1,193 | 24 | 87,743 | 1,406,508 | 0 | 0 | 48 | 48 |
| 8th | 0 | 0 | 0.02 | 101 | 2 | 24 | 81,258 | 1,319,043 | 0 | 0 | 44 | 44 |
| 9th | 0 | 0 | 10 | 199,718 | 486 | 24 | 87,729 | 1,476,402 | 0.3 | 6,573 | 43 | 43 |
| 10th | 0.3 | 2,592 | 15 | 695,070 | 1,183 | 24 | 88,781 | 1,438,405 | 0 | 0 | 47 | 47 |
| 11th | 0 | 0 | 24 | 1,408,273 | 1,589 | 24 | 92,487 | 1,483,895 | 0 | 0 | 48 | 48 |
| 12th | 0 | 0 | 17 | 627,505 | 1,041 | 24 | 94,749 | 1,508,675 | 0 | 0 | 48 | 48 |
| 13th | 0.1 | 995 | 24 | 1,093,597 | 1,307 | 24 | 91,305 | 1,484,917 | 0 | 0 | 48 | 48 |
| 14th | 0 | 0 | 9 | 193,440 | 660 | 24 | 88,265 | 1,434,110 | 0 | 0 | 48 | 48 |
| 15th | 0.1 | 423 | 0 | 0 | 0 | 24 | 76,768 | 1,299,214 | 18 | 224,189 | 31 | 49 |
| 16th | 4 | 35,886 | 12 | 524,349 | 1,105 | 23 | 84,917 | 1,423,654 | 8 | 145,935 | 33 | 41 |
| 17th | 8 | 162,258 | 16 | 611,646 | 1,114 | 24 | 85,427 | 1,366,300 | 0 | 0 | 48 | 48 |
| 18th | 20 | 447,529 | 13 | 704,243 | 1,427 | 24 | 85,988 | 1,425,121 | 0 | 0 | 48 | 48 |
| 19th | 10 | 163,965 | 24 | 1,360,480 | 1,465 | 24 | 83,931 | 1,376,559 | 0 | 0 | 48 | 48 |
| 20th | 0.4 | 8,276 | 24 | 1,956,947 | 1,612 | 24 | 85,543 | 1,385,932 | 0 | 0 | 48 | 48 |
| 21st | 0 | 0 | 18 | 626,082 | 826 | 24 | 87,572 | 1,423,747 | 1.4 | 22,167 | 47 | 48 |
| 22nd | 0 | 0 | 0 | 0 | 0 | 24 | 81,429 | 1,364,809 | 24 | 280,832 | 24 | 48 |
| 23rd | 0.0 | 605 | 21 | 765,700 | 895 | 22 | 79,229 | 1,323,630 | 12 | 272,888 | 31 | 43 |
| 24th | 0 | 0 | 24 | 1,444,717 | 1,641 | 0 | 0 | 0 | 24 | 581,024 | 48 | 72 |
| 25th | 0 | 0 | 24 | 1,504,506 | 1,621 | 0 | 0 | 0 | 24 | 678,564 | 48 | 72 |
| 26th | 0.1 | 1,070 | 24 | 1,011,567 | 1,238 | 11 | 37,784 | 645,433 | 13 | 347,836 | 48 | 61 |
| 27th | 0.2 | 2,208 | 23 | 844,828 | 1,761 | 24 | 87,770 | 1,436,648 | 3 | 42,524 | 43 | 46 |
| 28th | 0.8 | 6,245 | 22 | 925,434 | 1,314 | 24 | 90,126 | 1,487,254 | 17 | 469,226 | 20 | 37 |
| 29th | 1.3 | 10,078 | 0.1 | 398 | 7 | 24 | 81,799 | 1,365,746 | 24 | 660,263 | 24 | 48 |
| 30th | 0 | 0 | 6 | 61,587 | 232 | 24 | 87,216 | 1,480,784 | 24 | 667,828 | 24 | 48 |
| 31st | 0.03 | 384 | 12 | 303,760 | 879 | 24 | 83,638 | 1,403,946 | 13 | 372,339 | 34 | 47 |
| Totals | 66 | 1,408,545 | 473 | 21,683,929 | | 677 | 2,456,174 | 40,278,754 | 207 | 4,785,225 | 1,307 | 1,514 |
| | | | Maximum | 1,761 | | | | | | Maximum | 72 | |



June - 2022

Daily Data for Air Permit

Elmer E. Ross Power Station

| Date | Run Time, Hours | | | | KiloWatt Hours Generated | | | | Fuel Oil Used, gal | | | | Gas, Roots Meter, cu ft | | | |
|---------------|-----------------|-------|-------|-------|--------------------------|---------|-----------|-----------|--------------------|--------|--------|-------|-------------------------|-----------|------------|------------|
| | Eng 1 | Eng 2 | Eng 3 | Total | Gen. 1 | Gen 2 | Gen 3 | Total | Eng. 1 | Eng. 2 | Eng. 3 | Total | Eng. 1 | Eng. 2 | Eng. 3 | Total |
| 1st | 24 | 0 | 20 | 44 | 47,885 | 0 | 37,343 | 85,228 | 26 | 0 | 44 | 70 | 851,499 | 0 | 664,040 | 1,515,539 |
| 2nd | 24 | 0 | 24 | 48 | 53,871 | 0 | 52,658 | 106,529 | 26 | 0 | 32 | 58 | 910,525 | 0 | 890,022 | 1,800,547 |
| 3rd | 24 | 0 | 23 | 47 | 52,707 | 0 | 51,655 | 104,362 | 32 | 0 | 32 | 64 | 899,911 | 0 | 881,949 | 1,781,860 |
| 4th | 24 | 0 | 24 | 48 | 49,593 | 0 | 48,350 | 97,943 | 26 | 0 | 31 | 58 | 859,294 | 0 | 837,757 | 1,697,051 |
| 5th | 24 | 0 | 4 | 28 | 49,286 | 0 | 5,101 | 54,387 | 27 | 0 | 15 | 43 | 881,603 | 0 | 91,244 | 972,847 |
| 6th | 24 | 0 | 8 | 32 | 46,642 | 0 | 15,968 | 62,610 | 26 | 0 | 15 | 41 | 869,238 | 0 | 297,586 | 1,166,824 |
| 7th | 24 | 0 | 24 | 48 | 44,420 | 0 | 43,234 | 87,654 | 29 | 0 | 32 | 61 | 823,803 | 0 | 801,807 | 1,625,610 |
| 8th | 24 | 0 | 24 | 48 | 47,178 | 0 | 45,967 | 93,145 | 25 | 0 | 37 | 63 | 846,897 | 0 | 825,159 | 1,672,056 |
| 9th | 24 | 0 | 24 | 48 | 50,785 | 0 | 49,651 | 100,436 | 13 | 0 | 30 | 44 | 882,078 | 0 | 862,382 | 1,744,460 |
| 10th | 24 | 0 | 24 | 48 | 49,618 | 0 | 48,503 | 98,121 | 28 | 0 | 34 | 62 | 862,357 | 0 | 842,978 | 1,705,335 |
| 11th | 24 | 0 | 24 | 48 | 49,512 | 0 | 48,355 | 97,867 | 26 | 0 | 31 | 57 | 852,072 | 0 | 832,160 | 1,684,232 |
| 12th | 24 | 0 | 8 | 32 | 49,071 | 0 | 13,717 | 62,788 | 16 | 0 | 24 | 40 | 863,711 | 0 | 241,437 | 1,105,148 |
| 13th | 12 | 0 | 14 | 26 | 22,374 | 0 | 30,158 | 52,532 | 22 | 0 | 20 | 42 | 410,495 | 0 | 553,308 | 963,803 |
| 14th | 24 | 0 | 24 | 48 | 43,493 | 0 | 45,040 | 88,533 | 26 | 0 | 32 | 58 | 801,376 | 0 | 829,880 | 1,631,256 |
| 15th | 24 | 0 | 24 | 48 | 48,712 | 0 | 50,343 | 99,055 | 27 | 0 | 35 | 61 | 837,121 | 0 | 865,150 | 1,702,271 |
| 16th | 24 | 0 | 24 | 48 | 48,747 | 0 | 50,326 | 99,073 | 30 | 14 | 32 | 76 | 837,975 | 0 | 865,119 | 1,703,094 |
| 17th | 24 | 0 | 24 | 48 | 51,044 | 0 | 52,682 | 103,726 | 33 | 0 | 37 | 70 | 870,666 | 0 | 898,606 | 1,769,272 |
| 18th | 24 | 0 | 24 | 48 | 49,087 | 0 | 50,590 | 99,677 | 26 | 0 | 31 | 58 | 845,973 | 0 | 871,876 | 1,717,849 |
| 19th | 24 | 0 | 7 | 31 | 45,053 | 0 | 9,721 | 54,774 | 31 | 0 | 14 | 45 | 815,788 | 0 | 176,021 | 991,809 |
| 20th | 19 | 0 | 14 | 33 | 30,443 | 0 | 25,198 | 55,641 | 27 | 0 | 29 | 57 | 578,216 | 0 | 478,596 | 1,056,812 |
| 21st | 24 | 0 | 24 | 48 | 43,262 | 0 | 44,728 | 87,990 | 28 | 0 | 32 | 60 | 776,389 | 0 | 802,699 | 1,579,088 |
| 22nd | 24 | 2 | 24 | 50 | 44,972 | 722 | 46,216 | 91,910 | 76 | 75 | 51 | 202 | 784,330 | 12,592 | 806,026 | 1,602,948 |
| 23rd | 24 | 0 | 24 | 48 | 47,946 | 0 | 49,414 | 97,360 | 31 | 0 | 33 | 64 | 837,676 | 0 | 863,324 | 1,701,000 |
| 24th | 21 | 0 | 24 | 45 | 38,173 | 0 | 45,752 | 83,925 | 38 | 0 | 33 | 71 | 682,530 | 0 | 818,041 | 1,500,571 |
| 25th | 23 | 0 | 24 | 47 | 41,931 | 0 | 46,370 | 88,301 | 31 | 0 | 32 | 63 | 741,803 | 0 | 820,334 | 1,562,137 |
| 26th | 0 | 0 | 24 | 24 | 0 | 0 | 50,308 | 50,308 | 0 | 0 | 38 | 38 | 0 | 0 | 881,860 | 881,860 |
| 27th | 9 | 0 | 24 | 33 | 17,251 | 0 | 46,519 | 63,770 | 18 | 0 | 33 | 52 | 317,478 | 0 | 856,110 | 1,173,588 |
| 28th | 24 | 12 | 12 | 48 | 40,790 | 22,295 | 20,673 | 83,758 | 26 | 17 | 20 | 64 | 742,421 | 405,793 | 376,270 | 1,524,484 |
| 29th | 24 | 23 | 1 | 48 | 49,577 | 48,963 | 1,116 | 99,656 | 29 | 35 | 10 | 74 | 834,247 | 823,915 | 18,779 | 1,676,941 |
| 30th | 24 | 24 | 0 | 48 | 47,254 | 47,809 | 0 | 95,063 | 28 | 31 | 0 | 59 | 799,181 | 808,568 | 0 | 1,607,749 |
| Totals | 660 | 61 | 567 | 1,288 | 1,300,677 | 119,789 | 1,125,656 | 2,546,122 | 830 | 172 | 872 | 1,874 | 22,916,653 | 2,050,868 | 19,850,520 | 44,818,041 |
| | Sum of Engines | | 1,288 | | Sum of Engines | | 2,546,122 | | Sum of Engines | | 1,874 | | Sum of Engines | | 44,818,041 | |



June - 2022

Daily Data for Air Permit

SD1 Flare Burners, Turbine, and Boiler

| Date | Flares A-190,191,192,193 | | Flares A-194,195 | | | Turbine | | | Boiler | | Run Time Check | |
|---------------|--------------------------|--------------|------------------|--------------|-------------------------|-----------------|--------------|--------------|-----------------|--------------|----------------|---------------------|
| | Run Time Hrs | Gas cu ft | Run Time Hrs | Gas cu ft | Peak 1-hr Flow, SCFM | Run Time Hrs | Power KWh | Gas cu ft | Run Time Hrs | Gas cu ft | Engine Hrs | Eng + Boiler Hrs |
| 1st | 11 | 283,012 | 9 | 441,142 | 997 | 24 | 85,237 | 1,429,215 | 0 | 0 | 44 | 44 |
| 2nd | 18 | 442,233 | 10 | 473,089 | 1,083 | 24 | 86,924 | 1,398,476 | 0 | 0 | 48 | 48 |
| 3rd | 5 | 112,569 | 24 | 1,231,279 | 1,521 | 19 | 63,665 | 1,055,087 | 4 | 113,853 | 47 | 51 |
| 4th | 0 | 0 | 18 | 398,416 | 632 | 24 | 84,156 | 1,362,361 | 0 | 0 | 48 | 48 |
| 5th | 0.8 | 4,956 | 0 | 0 | 0 | 24 | 77,985 | 1,310,453 | 4 | 130,711 | 28 | 32 |
| 6th | 2 | 12,862 | 7 | 104,542 | 380 | 24 | 81,333 | 1,413,491 | 0 | 0 | 32 | 32 |
| 7th | 1.0 | 9,455 | 15 | 648,565 | 1,275 | 24 | 86,064 | 1,428,442 | 0 | 0 | 48 | 48 |
| 8th | 0.7 | 4,528 | 13 | 576,428 | 959 | 24 | 85,374 | 1,410,409 | 0 | 0 | 48 | 48 |
| 9th | 0 | 0 | 24 | 1,277,159 | 1,412 | 24 | 85,661 | 1,405,423 | 0 | 0 | 48 | 48 |
| 10th | 5 | 85,913 | 24 | 1,684,523 | 1,817 | 24 | 83,747 | 1,374,528 | 0 | 0 | 48 | 48 |
| 11th | 0.1 | 644 | 20 | 1,050,372 | 1,330 | 24 | 83,957 | 1,382,428 | 0 | 0 | 48 | 48 |
| 12th | 0.1 | 409 | 0.02 | 304 | 5 | 24 | 80,878 | 1,324,629 | 15 | 402,819 | 32 | 47 |
| 13th | 0.1 | 978 | 13 | 413,926 | 931 | 17 | 57,782 | 985,441 | 16 | 328,622 | 26 | 42 |
| 14th | 0 | 0 | 17 | 647,474 | 1,035 | 24 | 84,018 | 1,429,204 | 0 | 0 | 48 | 48 |
| 15th | 8 | 182,443 | 21 | 1,091,090 | 1,131 | 24 | 87,593 | 1,420,528 | 0 | 0 | 48 | 48 |
| 16th | 0 | 0 | 24 | 1,085,059 | 1,152 | 24 | 88,056 | 1,427,472 | 0 | 0 | 48 | 48 |
| 17th | 8 | 135,370 | 22 | 1,068,479 | 1,534 | 14 | 51,622 | 832,746 | 9 | 257,843 | 48 | 57 |
| 18th | 0.1 | 799 | 18 | 1,300,374 | 1,563 | 8 | 26,106 | 430,681 | 16 | 446,149 | 48 | 64 |
| 19th | 0 | 0 | 0 | 0 | 0 | 24 | 77,050 | 1,289,577 | 0 | 0 | 31 | 31 |
| 20th | 0 | 0 | 21 | 661,846 | 967 | 24 | 80,156 | 1,380,237 | 6 | 83,821 | 33 | 39 |
| 21st | 0 | 0 | 24 | 1,457,633 | 1,437 | 24 | 82,769 | 1,375,481 | 0 | 0 | 48 | 48 |
| 22nd | 0.02 | 57 | 24 | 916,353 | 1,077 | 24 | 84,846 | 1,367,146 | 0 | 0 | 50 | 50 |
| 23rd | 0.2 | 2,306 | 24 | 1,152,557 | 1,684 | 19 | 68,631 | 1,117,558 | 5 | 161,464 | 48 | 53 |
| 24th | 0 | 0 | 24 | 1,231,294 | 1,619 | 14 | 50,764 | 840,109 | 10 | 313,317 | 45 | 55 |
| 25th | 0 | 0 | 10 | 202,975 | 435 | 24 | 83,828 | 1,378,136 | 0 | 0 | 47 | 47 |
| 26th | 0 | 0 | 2 | 33,626 | 260 | 24 | 81,970 | 1,360,614 | 0 | 0 | 24 | 24 |
| 27th | 0 | 0 | 9 | 151,958 | 385 | 24 | 79,422 | 1,334,364 | 0 | 0 | 33 | 33 |
| 28th | 0 | 0 | 22 | 1,151,017 | 1,327 | 24 | 85,505 | 1,435,348 | 0 | 0 | 48 | 48 |
| 29th | 0 | 0 | 24 | 1,892,061 | 1,755 | 24 | 86,987 | 1,409,587 | 0 | 0 | 48 | 48 |
| 30th | 6 | 92,296 | 24 | 2,026,585 | 1,923 | 24 | 88,578 | 1,441,277 | 0 | 0 | 48 | 48 |
| Totals | 65 | 1,370,830 | 487 | 24,370,126 | | 666 | 2,330,664 | 38,550,448 | 86 | 2,238,599 | 1,288 | 1,374 |
| | | | | | Maximum | 1,923 | | | | | Maximum | 64 |

Attachment 2 - Combustion Device Summaries

EBMUD Main Wastewater Plant

January 1 - June 30, 2022

Engine Thermal Throughput - Thermal Mass Meter, Common Engine Digester Gas Line

| Turbine Operation | | | Data Source | Jan-22 | Feb-22 | Mar-22 | Apr-22 | May-22 | Jun-22 | Semi-annual Totals | Limits |
|-------------------------------------|-----------|----------|-------------|---|------------|------------|------------|------------|------------|--------------------|---------------------------------------|
| Run Time | Total | hrs | metered | 247 | 672 | 719 | 597 | 677 | 666 | 3,578 | |
| Digester Gas | Total | cu ft | metered | 13,609,459 | 35,137,114 | 38,190,678 | 34,302,277 | 40,278,754 | 38,550,448 | 200,068,730 | |
| Thermal Throughput ³ | Total | MMBTU | | 8,903 | 22,981 | 25,176 | 22,541 | 26,525 | 25,419 | 131,545 | 389,820 MMBTU HHV per 12-Month period |
| | Total | MMBTU/hr | | 36.0 | 34.2 | 35.0 | 37.8 | 39.2 | 38.2 | x | |
| Nitrogen Oxide ⁴ | Max | ppm | sampled | 6.5 | 6.1 | 6.5 | 6.8 | 6.0 | 5.0 | x | 23 ppm at any time |
| Carbon Monoxide ⁴ | Max | ppm | sampled | 3.3 | 3.9 | 4.9 | 1.7 | 4.6 | 1.9 | x | 100 |
| Sulfur Dioxide ⁴ | Max | ppm | sampled | 7.1 | 7.0 | 5.3 | 3.2 | 5.8 | 3.9 | x | 150 |
| Nitrogen Oxide | Total | lbs | calc'd | Based on last annual source test mass load rate (0.86 lbs/hr) x run time (1,068+3,578hrs)--> | | | | | | 3,996 | 34,400 lbs per 12- Month period |
| Carbon Monoxide | Total | lbs | calc'd | Based on last annual source test mass flow rate (0.3 lbs/hr) x run time (1,068+3,578hrs)----> | | | | | | 1,394 | 92,200 |
| Engine Operation | | | | | | | | | | | |
| Run Time | Eng #1 | hrs | metered | 578 | 87 | 554 | 567 | 625 | 660 | 3,071 | |
| | Eng #2 | hrs | metered | 528 | 492 | 396 | 416 | 387 | 61 | 2,280 | |
| | Eng #3 | hrs | metered | 677 | 668 | 499 | 325 | 295 | 567 | 3,031 | |
| | Total | hrs | sum | 1,783 | 1,247 | 1,449 | 1,308 | 1,307 | 1,288 | 8,382 | 25,316 hr/365 days |
| Diesel Fuel ¹ | Eng #1 | gal | calc'd | 621 | 108 | 670 | 658 | 804 | 830 | 3,691 | |
| | Eng #2 | gal | calc'd | 739 | 680 | 327 | 623 | 536 | 172 | 3,077 | |
| | Eng #3 | gal | calc'd | 977 | 953 | 733 | 595 | 507 | 872 | 4,637 | |
| | Total | gal | sum | 2,337 | 1,741 | 1,730 | 1,876 | 1,847 | 1,874 | 11,405 | 150,000 gal/365 days |
| Digester Gas ² | Eng #1 | cu ft | metered | 20,326,471 | 3,108,324 | 19,718,101 | 20,412,647 | 22,222,505 | 22,916,653 | 108,704,701 | |
| | Eng #2 | cu ft | metered | 18,745,659 | 16,656,755 | 13,964,631 | 14,808,631 | 13,597,192 | 2,050,868 | 79,823,736 | |
| | Eng #3 | cu ft | metered | 24,291,923 | 23,342,846 | 18,215,960 | 12,184,370 | 10,643,710 | 19,850,520 | 108,529,329 | |
| | Total | cu ft | sum | 63,364,053 | 43,107,925 | 51,898,692 | 47,405,648 | 46,463,407 | 44,818,041 | 297,057,766 | |
| Thermal Throughput ³ | Eng #1 | MMBTU/hr | | 23.2 | 23.5 | 23.6 | 23.8 | 23.6 | 23.1 | x | 25 MMBTU/hr |
| | Eng #2 | MMBTU/hr | | 23.4 | 22.3 | 23.4 | 23.6 | 23.3 | 22.6 | x | 25 MMBTU/hr |
| | Eng #3 | MMBTU/hr | | 23.7 | 23.1 | 24.3 | 24.9 | 24.0 | 23.3 | x | 25 MMBTU/hr |
| Natural Gas | Total | cu ft | metered | - | - | - | - | - | - | - | |
| Boiler Operation | | | | | | | | | | | |
| Run Time | Boiler | hrs | metered | 139 | 88 | 70 | 196 | 207 | 86 | 786 | |
| Digester Gas | Boiler | cu ft | metered | 2,202,065 | 1,287,235 | 1,299,860 | 4,527,971 | 4,785,225 | 2,238,599 | 16,340,955 | |
| Thermal Thruput ³ | Boiler | MMBTU/hr | | 10.4 | 9.6 | 12.2 | 15.2 | 15.2 | 17.1 | x | 20.41 MMBTU/hr |
| Flare Operation (A-190,191,192,193) | | | | | | | | | | | |
| Run Time | Flares | hrs | metered | 206 | 3 | 20 | 187 | 66 | 65 | 546 | |
| Digester Gas | Flares | cu ft | metered | 3,962,136 | 29,156 | 353,278 | 3,622,147 | 1,408,545 | 1,370,830 | 10,746,092 | |
| Thermal Thruput ³ | Flares | MMBTU/hr | | 12.6 | 7.4 | 11.8 | 12.7 | 14.0 | 13.9 | x | |
| Flare Operation (A-194,195) | | | | | | | | | | | |
| Run Time | Flares | hrs | metered | 306 | 570 | 743 | 501 | 473 | 487 | 3,079 | |
| Digester Gas | Flares | cu ft | metered | 13,002,500 | 17,941,171 | 31,018,668 | 20,151,966 | 21,683,929 | 24,370,126 | 128,168,360 | |
| Thermal Thruput ³ | Flares | MMBTU/hr | | 27.8 | 20.6 | 27.5 | 26.4 | 30.2 | 33.0 | x | |
| Max Total Flow | Flares | scfm | metered | 1,650 | 1,884 | 1,928 | 2,153 | 1,761 | 1,923 | x | |
| Digester Gas HHV | 12-mo Avg | BTU/scf | sampled | 654 | 654 | 659 | 657 | 659 | 659 | x | 3,000 scfm |

(1) Diesel use per engine (gal) = diesel withdrawn from common storage tank daily (gal) x ratio of fuel used per engine (single day tank level / sum of all day tanks)

(2) Digester gas usage (cf) = DCS/PI flow data from common engine line meter (scfm) x minutes of gas flow x (engine hours/sum of engine hours)

(3) Thermal Throughput is estimated using the 12-month HHV average and monthly digester gas flow volumes combined with similar diesel fuel data.. 2022 CARB Annual Data, Engines, Flares, Boiler with mmbtu - Rolling Avg

(4) Monthly turbine exhaust check - ppm corrected to 15% O2

ATTACHMENT 3

ANNUAL SOURCE TEST RESULTS

- Enclosed Flares (A-194 and A-195) Source Test Summary, Blue Sky Environmental, 4/27/22

TABLE #1

**East Bay Municipal Utility District
Flare #1 (A-194)**

| Parameter | Run 1 | Run 2 | Run 3 | Average Results | Permit Limits |
|---|-----------|-----------|-----------|-----------------|---------------|
| Test Date | 4/27/22 | 4/27/22 | 4/27/22 | | |
| Test Time | 0801-0836 | 0904-0937 | 0953-1027 | | |
| Standard Temperature, °F | 70 | 70 | 70 | 70 | |
| Flare Temperature, °F | 1,300 | 1,300 | 1,298 | 1,299 | |
| Fuel: | | | | | |
| Fuel Flow Rate, DSCFM | 445 | 438 | 439 | 441 | |
| Fuel Heat Input, MMBtu/hr | 17.67 | 17.55 | 17.53 | 17.58 | |
| Stack Gas: | | | | | |
| Exhaust Flow Rate, DSCFM (<i>EPA Method 19</i>) | 27,394 | 24,145 | 28,862 | 26,801 | |
| Oxygen (O ₂), % volume dry | 18.9 | 18.6 | 19.0 | 18.8 | |
| Carbon Dioxide (CO ₂), % volume dry | 1.4 | 1.7 | 1.5 | 1.5 | |
| CO ₂ , lb/hr | 2,681 | 2,758 | 3,008 | 2,816 | |
| NO_x Emissions (reported as NO₂): | | | | | |
| NO _x , ppmvd | 5.4 | 7.0 | 6.3 | 6.2 | |
| NO _x , ppmvd @ 15% O ₂ | 15.5 | 17.9 | 19.5 | 17.6 | |
| NO _x , lb/hr | 1.05 | 1.20 | 1.31 | 1.18 | |
| NO _x , lb/day | 25.1 | 28.8 | 31.4 | 28.4 | |
| NO _x , lb/MMBtu | 0.059 | 0.068 | 0.075 | 0.067 | 0.12 |
| CO Emissions: | | | | | |
| CO, ppmvd | 7.7 | 8.0 | 7.4 | 7.7 | |
| CO, ppmvd @ 15% O ₂ | 22.3 | 20.6 | 22.7 | 21.9 | |
| CO, lb/hr | 0.92 | 0.84 | 0.93 | 0.90 | |
| CO, lb/day | 22.0 | 20.2 | 22.3 | 21.5 | |
| CO, lb/MMBtu | 0.052 | 0.048 | 0.053 | 0.051 | 0.2 |
| THC Emissions (reported as CH₄): | | | | | |
| THC, ppmvd | 5.52 | 6.09 | 6.09 | 5.90 | |
| THC, lb/hr | 0.375 | 0.365 | 0.436 | 0.392 | |
| Methane (CH₄) Emissions: | | | | | |
| CH ₄ , ppmvd | 5.52 | 6.09 | 6.09 | 5.90 | |
| CH ₄ , lb/hr | 0.375 | 0.365 | 0.436 | 0.392 | |
| NMOC Emissions (reported as CH₄): | | | | | |
| NMOC, ppmvd | <5.52 | <6.09 | <6.09 | <5.90 | |
| NMOC, ppmvd @ 3% O ₂ | <48.4 | <47.4 | <56.8 | <50.9 | |
| NMOC, lb/hr | <0.375 | <0.365 | <0.436 | <0.392 | |
| Hydrogen Sulfide (H₂S) Emissions: | | | | | |
| Inlet H ₂ S, ppmvd | <0.073 | 35.1 | 42.1 | 38.6 | |
| Outlet H ₂ S, ppmvd | <0.080 | <0.076 | <0.078 | <0.077 | |
| Outlet H ₂ S, lb/hr | <0.00019 | <0.00018 | <0.00018 | <0.00018 | 0.032 |
| Outlet H ₂ S, lb/MMBtu | <0.00001 | <0.00001 | <0.00001 | <0.00001 | |
| H₂S Destruction Efficiency, % | -- | >99.78% | >99.81% | >99.80% | |
| Inlet Hydrocarbons (reported as CH₄): | | | | | |
| NMOC, ppmvd | 934 | 938 | 1,130 | 1,001 | |
| NMOC, lb/hr | 1.03 | 1.02 | 1.23 | 1.09 | |
| NMOC Destruction Efficiency, % | >63.63% | >64.21% | >64.57% | >64.13% | |
| CH ₄ , ppmvd | 660,000 | 666,000 | 663,000 | 663,000 | |
| CH ₄ , lb/hr | 729 | 724 | 723 | 725 | |
| CH₄ Destruction Efficiency, % | >99.95% | >99.95% | >99.94% | >99.95% | |
| THC, ppmvd as CH ₄ | 660,934 | 666,938 | 664,130 | 664,001 | |
| THC, lb/hr as CH ₄ | 730 | 725 | 724 | 726 | |
| THC Destruction Efficiency, % | >99.95% | >99.95% | >99.94% | >99.95% | |

Values in red are outliers and were excluded from the average.

WHERE,

ppmv = parts per million concentration by volume expressed on a dry gas basis

lb/hr = pound per hour emission rate

Tstd. = standard temperature (°R = °F+460)

MW = molecular weight

DSCFM = dry standard cubic feet per minute

NO_x = oxides of nitrogen, reported as NO₂ (MW = 46)

CO = carbon monoxide (MW = 28)

CH₄ = methane (MW = 16)

THC = total hydrocarbons, reported as CH₄ (MW = 16)

NMOC = total non-methane organic compounds, reported as CH₄ (MW = 16)

CALCULATIONS,

$$15\% \text{ O}_2 \text{ Correction} = \text{ppm} \cdot 5.9 / (20.9 - \% \text{ O}_2)$$

$$3\% \text{ O}_2 \text{ Correction} = \text{ppm} \cdot 17.9 / (20.9 - \% \text{ O}_2)$$

$$\text{lb/hr} = \text{ppm} \cdot 8.223 \text{ E-05} \cdot \text{DSCFM} \cdot \text{MW} / \text{Tstd. } ^\circ\text{R}$$

$$\text{lb/day} = \text{lb/hr} \cdot 24$$

$$\text{lb/MMBtu} = \text{Fd} \cdot \text{MW} \cdot \text{ppm} \cdot 2.59\text{E-9} \cdot 20.9 / (20.9 - \% \text{ O}_2)$$

$$\text{Destruction Efficiency} = (\text{inlet, lb/hr - outlet, lb/hr}) / \text{inlet, lb/hr}$$

$$<\text{value} = 2\% \text{ of analyzer range}$$

TABLE #2

**East Bay Municipal Utility District
Flare #2 (A-195)**

| Parameter | Run 1 | Run 2 | Run 3 | Average Results | Permit Limits |
|---|-----------|-----------|-----------|-----------------|---------------|
| Test Date | 4/27/22 | 4/27/22 | 4/27/22 | | |
| Test Time | 1100-1135 | 1201-1236 | 1328-1403 | | |
| Standard Temperature, °F | 70 | 70 | 70 | 70 | |
| Flare Temperature, °F | 1,237 | 1,245 | 1,236 | 1,239 | |
| Fuel: | | | | | |
| Fuel Flow Rate, DSCFM | 424 | 434 | 437 | 432 | |
| Fuel Heat Input, MMBtu/hr | 16.89 | 17.21 | 17.45 | 17.18 | |
| Stack Gas: | | | | | |
| Exhaust Flow Rate, DSCFM (<i>EP-A Method 19</i>) | 9,227 | 9,589 | 9,614 | 9,477 | |
| Oxygen (O ₂), % volume dry | 15.1 | 15.2 | 15.2 | 15.2 | |
| Carbon Dioxide (CO ₂), % volume dry | 4.4 | 4.3 | 4.3 | 4.3 | |
| CO ₂ , lb/hr | 2,760 | 2,823 | 2,840 | 2,808 | |
| NO_x Emissions (reported as NO₂): | | | | | |
| NO _x , ppmvd | 22.2 | 22.0 | 21.7 | 22.0 | |
| NO _x , ppmvd @ 15% O ₂ | 22.5 | 22.9 | 22.3 | 22.6 | |
| NO _x , lb/hr | 1.46 | 1.51 | 1.49 | 1.49 | |
| NO _x , lb/day | 35.0 | 36.2 | 35.8 | 35.7 | |
| NO _x , lb/MMBtu | 0.086 | 0.088 | 0.085 | 0.087 | 0.12 |
| CO Emissions: | | | | | |
| CO, ppmvd | 3.4 | 2.5 | 2.7 | 2.9 | |
| CO, ppmvd @ 15% O ₂ | 3.5 | 2.6 | 2.8 | 2.9 | |
| CO, lb/hr | 0.14 | 0.10 | 0.11 | 0.12 | |
| CO, lb/day | 3.3 | 2.5 | 2.7 | 2.8 | |
| CO, lb/MMBtu | 0.0082 | 0.0060 | 0.0064 | 0.007 | 0.2 |
| THC Emissions (reported as CH₄): | | | | | |
| THC, ppmvd | <2.0 | <2.0 | <2.0 | <2.0 | |
| THC, lb/hr | <0.046 | <0.048 | <0.048 | <0.047 | |
| Methane (CH₄) Emissions: | | | | | |
| CH ₄ , ppmvd | <2.0 | <2.0 | <2.0 | <2.0 | |
| CH ₄ , lb/hr | <0.046 | <0.048 | <0.048 | <0.047 | |
| NMOC Emissions (reported as CH₄): | | | | | |
| NMOC, ppmvd | <2.0 | <2.0 | <2.0 | <2.0 | |
| NMOC, ppmvd @ 3% O ₂ | <6.2 | <6.3 | <6.2 | <6.2 | |
| NMOC, lb/hr | <0.046 | <0.048 | <0.048 | <0.047 | |
| Hydrogen Sulfide (H₂S) Emissions: | | | | | |
| Inlet H ₂ S, ppmvd | <0.074 | <0.071 | 55.2 | 55.2 | |
| Outlet H ₂ S, ppmvd | <0.086 | <0.174 | <0.075 | <0.075 | |
| Outlet H ₂ S, lb/hr | <0.00019 | <0.00040 | <0.00017 | <0.00017 | 0.032 |
| Outlet H ₂ S, lb/MMBtu | <0.000011 | <0.000023 | <0.000010 | <0.000010 | |
| H₂S Destruction Efficiency, % | -- | -- | >99.86% | >99.86% | |
| Inlet Hydrocarbons (reported as CH₄): | | | | | |
| NMOC, ppmvd | 1,113 | 1,120 | 1,229 | 1,154 | |
| NMOC, lb/hr | 1.17 | 1.21 | 1.33 | 1.24 | |
| NMOC Destruction Efficiency, % | >96.09% | >96.05% | >96.42% | >96.19% | |
| CH ₄ , ppmvd | 662,000 | 659,000 | 663,000 | 661,333 | |
| CH ₄ , lb/hr | 697 | 710 | 719 | 709 | |
| CH₄ Destruction Efficiency, % | >99.99% | >99.99% | >99.99% | >99.99% | |
| THC, ppmvd as CH ₄ | 663,113 | 660,120 | 664,229 | 662,487 | |
| THC, lb/hr as CH ₄ | 698 | 711 | 721 | 710 | |
| THC Destruction Efficiency, % | >99.99% | >99.99% | >99.99% | >99.99% | |

Values in red are outliers and were excluded from the average.

WHERE,

ppmv = parts per million concentration by volume expressed on a dry gas basis

lb/hr = pound per hour emission rate

Tstd. = standard temperature (°R = °F+460)

MW = molecular weight

DSCFM = dry standard cubic feet per minute

NO_x = oxides of nitrogen, reported as NO₂ (MW = 46)

CO = carbon monoxide (MW = 28)

CH₄ = methane (MW = 16)

THC = total hydrocarbons, reported as CH₄ (MW = 16)

NMOC = total non-methane organic compounds, reported as CH₄ (MW = 16)

CALCULATIONS,

$$15\% \text{ O}_2 \text{ Correction} = \text{ppm} \cdot 5.9 / (20.9 - \% \text{ O}_2)$$

$$3\% \text{ O}_2 \text{ Correction} = \text{ppm} \cdot 17.9 / (20.9 - \% \text{ O}_2)$$

$$\text{lb/hr} = \text{ppm} \cdot 8.223 \cdot 10^{-5} \cdot \text{DSCFM} \cdot \text{MW} / \text{Tstd. } ^\circ\text{R}$$

$$\text{lb/day} = \text{lb/hr} \cdot 24$$

$$\text{lb/MMBtu} = \text{Fd} \cdot \text{MW} \cdot \text{ppm} \cdot 2.59 \cdot 10^{-9} \cdot 20.9 / (20.9 - \% \text{ O}_2)$$

$$\text{Destruction Efficiency} = (\text{inlet, lb/hr} - \text{outlet, lb/hr}) / \text{inlet, lb/hr}$$

$$<\text{value} = 2\% \text{ of analyzer range}$$

Attachment 4
Gasoline Facility Throughput (S-48)

MAIN WASTEWATER TREATMENT PLANT
GASOLINE DISPENSING FACILITY
Maintenance Center (3,000 gallon gasoline compartment)
Year: 2022
As of June 30, 2022

| MONTH | GALLONS RECEIVED | RECEIVED YR-TO-DATE | GALLONS ISSUED | ISSUED YR-TO-DATE | COMMENTS |
|--------------|------------------|---------------------|----------------|-------------------|----------|
| JAN | 2210 | 2210 | 2501 | 2501 | |
| FEB | 2253 | 4463 | 2221 | 4722 | |
| MAR | 3709 | 8172 | 2697 | 7419 | |
| APR | 2455 | 10627 | 2082 | 9501 | |
| MAY | 1500 | 12127 | 2494 | 11995 | |
| JUN | 2500 | 14627 | 2666 | 14661 | |
| JUL | | | | | |
| AUG | | | | | |
| SEP | | | | | |
| OCT | | | | | |
| NOV | | | | | |
| DEC | | | | | |
| Total | | | | | |

ATTACHMENT 5

Hours of Operation for Stand-by Emergency Generators

January 1, 2022 – June 30, 2022

| Source | Location | Hours Meter Begin | Hours Meter End | Emergency Use Hours | Reliability-related Hours | Limit on reliability-related Hours |
|---------------|----------------------|--------------------------|------------------------|----------------------------|----------------------------------|---|
| S-50 | North of PGS | N/A | N/A | N/A | N/A | Removed 12/31/2021 |
| S-51 | Dechlorination | 750.9 | 758.8 | 3.4 | 4.5 | 50 |
| S-53 | West of Admin Bldg | 128.2 | 129.6 | 0 | 1.4 | 30 |
| S-54 | East Bayshore RWP | 36 | 36 | 0 | 0 | 50 |
| S-58 | North of Maintenance | 20.2 | 20.2 | 0 | 0 | 50 |

July 1, 2021 – December 31, 2021

| Source | Location | Hours Meter Begin | Hours Meter End | Emergency Use Hours | Reliability-related Hours | Limit on reliability-related Hours |
|---------------|----------------------|--------------------------|------------------------|----------------------------|----------------------------------|---|
| S-50 | North of PGS | 142.9 | 142.9 | 0 | 0 | 30 |
| S-51 | Dechlorination | 734.7 | 750.9 | 12.7 | 3.5 | 50 |
| S-53 | West of Admin Bldg | 126.9 | 128.2 | 0 | 1.3 | 30 |
| S-54 | East Bayshore RWP | 36 | 36 | 0 | 0 | 50 |
| S-58 | North of Maintenance | 20.2 | 20.2 | 0 | 0 | 50 |

July 1, 2021 – June 30, 2022 (last 12 months total)

| Source | Location | Hours Meter Begin | Hours Meter End | Emergency Use Hours | Reliability-related Hours | Limit on reliability-related Hours |
|---------------|----------------------|--------------------------|------------------------|----------------------------|----------------------------------|---|
| S-50 | North of PGS | 142.9 | 142.9 | 0 | 0 | 30 |
| S-51 | Dechlorination | 734.7 | 758.8 | 16.1 | 8.0 | 50 |
| S-53 | West of Admin Bldg | 126.9 | 129.6 | 0 | 2.7 | 30 |
| S-54 | East Bayshore RWP | 36 | 36 | 0 | 0 | 50 |
| S-58 | North of Maintenance | 20.2 | 20.2 | 0 | 0 | 50 |

ATTACHMENT 6

**TURBINE MONTHLY TEST
RESULTS**

TABLE # 1

EBMUD-JAN-2022
DG TURBINE #1 (S-56)
3004 kW

| RUN | 1 | LIMITS |
|--|------------|------------|
| Test Date | 1/26/22 | |
| Test Time | 1239-1254 | |
| PGS-2 Turbine kW | 3,004 | |
| PGS-2 Fuel Flow Rate, DSCFM | 851 | |
| Oxygen, O ₂ , % | 17.0 | |
| NOx, ppm | 4.3 | |
| NOx, ppm @ 15% O₂ | 6.5 | 23 |
| CO, ppm | 2.2 | |
| CO, ppm @ 15% O₂ | 3.3 | 100 |
| SO ₂ , ppm | 4.7 | |
| SO₂, ppm @ 15% O₂ | 7.1 | 150 |

WHERE,

ppm = Parts Per Million Concentration

NOx = Oxides of Nitrogen as NO₂ (MW = 46)

CO = Carbon Monoxide (MW = 28)

SO₂ = Sulfur Dioxide (MW= 64)**CALCULATIONS,**

$$\text{PPM} @ 15\% \text{ O}_2 = \text{ppm} * 5.9 / (20.9 - \% \text{ O}_2)$$

TABLE # 1

EBMUD-FEB-2022
DG TURBINE #1 (S-56)
3287 kW

| RUN | 1 | LIMITS |
|--|------------|------------|
| Test Date | 2/24/22 | |
| Test Time | 1418-1433 | |
| PGS-2 Turbine kW | 3,287 | |
| PGS-2 Fuel Flow Rate, DSCFM | 903 | |
| Oxygen, O ₂ , % | 17.1 | |
| NOx, ppm | 3.9 | |
| NOx, ppm @ 15% O₂ | 6.1 | 23 |
| CO, ppm | 2.5 | |
| CO, ppm @ 15% O₂ | 3.9 | 100 |
| SO ₂ , ppm | 4.5 | |
| SO₂, ppm @ 15% O₂ | 7.0 | 150 |

WHERE,

ppm = Parts Per Million Concentration

NOx = Oxides of Nitrogen as NO₂ (MW = 46)

CO = Carbon Monoxide (MW = 28)

SO₂ = Sulfur Dioxide (MW= 64)**CALCULATIONS,**PPM @ 15% O₂ = ppm * 5.9 / (20.9 - %O₂)

TABLE # 1

EBMUD-MAR-2022
DG TURBINE #1 (S-56)
3287 kW

| RUN | 1 | LIMITS |
|--|------------|------------|
| Test Date | 3/25/22 | |
| Test Time | 1358-1413 | |
| PGS-2 Turbine kW | 3,287 | |
| PGS-2 Fuel Flow Rate, DSCFM | 903 | |
| Oxygen, O ₂ , % | 17.2 | |
| NOx, ppm | 4.1 | |
| NOx, ppm @ 15% O₂ | 6.5 | 23 |
| CO, ppm | 3.1 | |
| CO, ppm @ 15% O₂ | 4.9 | 100 |
| SO ₂ , ppm | 3.3 | |
| SO₂, ppm @ 15% O₂ | 5.3 | 150 |

WHERE,

ppm = Parts Per Million Concentration

NOx = Oxides of Nitrogen as NO₂ (MW = 46)

CO = Carbon Monoxide (MW = 28)

SO₂ = Sulfur Dioxide (MW= 64)**CALCULATIONS,**

$$\text{PPM} @ 15\% \text{ O}_2 = \text{ppm} * 5.9 / (20.9 - \% \text{O}_2)$$

TABLE # 1

EBMUD-APR-2022
DG TURBINE #1 (S-56)
3497 kW

| RUN | 1 | LIMITS |
|--|------------|------------|
| Test Date | 4/26/22 | |
| Test Time | 1412-1427 | |
| PGS-2 Turbine kW | 3,497 | |
| PGS-2 Fuel Flow Rate, DSCFM | 1,023 | |
| Oxygen, O ₂ , % | 16.5 | |
| NOx, ppm | 5.1 | |
| NOx, ppm @ 15% O₂ | 6.8 | 23 |
| CO, ppm | 1.3 | |
| CO, ppm @ 15% O₂ | 1.7 | 100 |
| SO ₂ , ppm | 2.4 | |
| SO₂, ppm @ 15% O₂ | 3.2 | 150 |

WHERE,

ppm = Parts Per Million Concentration

NOx = Oxides of Nitrogen as NO₂ (MW = 46)

CO = Carbon Monoxide (MW = 28)

SO₂ = Sulfur Dioxide (MW= 64)**CALCULATIONS,**PPM @ 15% O₂ = ppm * 5.9 / (20.9 - %O₂)

TABLE # 1

EBMUD-MAY-2022
DG TURBINE #1 (S-56)
3774 kW

| RUN | 1 | LIMITS |
|--|------------|------------|
| Test Date | 5/28/22 | |
| Test Time | 1424-1439 | |
| PGS-2 Turbine kW | 3,774 | |
| PGS-2 Fuel Flow Rate, DSCFM | 1,041 | |
| Oxygen, O ₂ , % | 16.9 | |
| NOx, ppm | 4.1 | |
| NOx, ppm @ 15% O₂ | 6.0 | 23 |
| CO, ppm | 3.1 | |
| CO, ppm @ 15% O₂ | 4.6 | 100 |
| SO ₂ , ppm | 3.9 | |
| SO₂, ppm @ 15% O₂ | 5.8 | 150 |

WHERE,

ppm = Parts Per Million Concentration

NOx = Oxides of Nitrogen as NO₂ (MW = 46)

CO = Carbon Monoxide (MW = 28)

SO₂ = Sulfur Dioxide (MW= 64)**CALCULATIONS,**

$$\text{PPM} @ 15\% \text{ O}_2 = \text{ppm} * 5.9 / (20.9 - \% \text{ O}_2)$$

TABLE # 1

EBMUD-JUN-2022
DG TURBINE #1 (S-56)
3597 kW

| RUN | 1 | LIMITS |
|--|------------|------------|
| Test Date | 6/22/22 | |
| Test Time | 1531-1546 | |
| PGS-2 Turbine kW | 3,597 | |
| PGS-2 Fuel Flow Rate, DSCFM | 988 | |
| Oxygen, O ₂ , % | 16.5 | |
| NOx, ppm | 3.7 | |
| NOx, ppm @ 15% O₂ | 5.0 | 23 |
| CO, ppm | 1.4 | |
| CO, ppm @ 15% O₂ | 1.9 | 100 |
| SO ₂ , ppm | 2.9 | |
| SO₂, ppm @ 15% O₂ | 3.9 | 150 |

WHERE,

ppm = Parts Per Million Concentration

NOx = Oxides of Nitrogen as NO₂ (MW = 46)

CO = Carbon Monoxide (MW = 28)

SO₂ = Sulfur Dioxide (MW= 64)**CALCULATIONS,**PPM @ 15% O₂ = ppm * 5.9 / (20.9 - %O₂)

ATTACHMENT 7

MAIN WASTEWATER TREATMENT PLANT FLOWS

East Bay Municipal Utility District
MONTHLY WASTEWATER MONITORING SUMMARY JUNE 2022

STATION: WWTP INFLUENT - INF-001

STATION: WWTP EFFLUENT - EFF-001/EFF-001B

FLOWS & CONVENTIONAL POLLUTANTS (R2-2020-0024)

| INF (MGD) | | | | EFF (MGD) | | | | CBOD | | | | | | TSS | | | | | | Oil and Grease | |
|-------------------------|-------|-------|--------|-----------|-------|-------|-----|------------------------|-----------------|--------------------------|--------------|-------------|------------------|--------------------------|--------------|-------------|-------------|--------------------------|--------------|----------------|-------------|
| | | | | | | | | Inf (INF-001) | Eff mg/L | # excs/ # of Analyses | % Removal | Inf mg/L | Eff mg/L | # excs/ # of Analyses | % Removal | Eff mg/L | Eff mg/L | # excs/ # of Analyses | % Removal | Eff mg/L | Eff mg/L |
| 3-mo Max Min Dry | | | | Max Min | | | | Mo. Daily Daily Season | Mo. Daily Daily | Month Month Week | Mo. Week | Month Month | Month Month Week | Mo. Week | Month Month | Month Month | Month Daily | Month Daily | | | |
| Mo. | Daily | Daily | Season | Mo. | Daily | Daily | Mo. | Month | Month | Week | Mo. | Week | Month | Month | Month | Month | Avg | Max | | | |
| Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | | | | |
| Limits: 120 | | | | | | | | 25 | 40 | | Min 85 | | | | | 30 | 45 | | Min 85 | 10 | 20 |
| Jan | 63 | 99 | 51 | 57 | 95 | 47 | 232 | 7 | 10 | 0/ 1 | 0/ 5 | 97% | 319 | 8 | 9 | 0/ 1 | 0/ 5 | 97% | 4x/year | | |
| Feb | 53 | 57 | 49 | 48 | 53 | 45 | 314 | 9 | 12 | 0/ 1 | 0/ 4 | 97% | 373 | 10 | 14 | 0/ 1 | 0/ 4 | 97% | E 1.6 E 1.6 | | |
| Mar | 51 | 64 | 45 | 47 | 54 | 43 | 319 | 6 | 7 | 0/ 1 | 0/ 4 | 98% | 394 | 10 | 10 | 0/ 1 | 0/ 4 | 98% | | | |
| Apr | 52 | 67 | 41 | 48 | 63 | 39 | 328 | 9 | 11 | 0/ 1 | 0/ 5 | 97% | 443 | 11 | 12 | 0/ 1 | 0/ 5 | 98% | | | |
| May | 47 | 52 | 42 | 44 | 48 | 42 | 344 | 6 | 7 | 0/ 1 | 0/ 4 | 98% | 393 | 8 | 10 | 0/ 1 | 0/ 4 | 98% | < 1.3 < 1.3 | | |
| Jun | 46 | 53 | 41 | 43 | 49 | 39 | 421 | 7 | 9 | 0/ 1 | 0/ 4 | 98% | 716 | 9 | 11 | 0/ 1 | 0/ 4 | 98% | | | |
| Jul | | | | | | | | | | | | | | | | | | | | | |
| Aug | | | | | | | | | | | | | | | | | | | | | |
| Sep | | | | | | | | | | | | | | | | | | | | | |
| Oct | | | | | | | | | | | | | | | | | | | | | |
| Nov | | | | | | | | | | | | | | | | | | | | | |
| Dec | | | | | | | | | | | | | | | | | | | | | |
| Avg | 52 | 65 | 45 | 48 | 60 | 43 | 326 | 7 | 9 | | 98% | 440 | 9 | 11 | | 98% | E 1.6 E 1.6 | | | | |
| Max | 63 | 99 | 51 | 57 | 95 | 47 | 421 | 9 | 12 | | 98% | 716 | 11 | 14 | | 98% | E 1.6 E 1.6 | | | | |
| Min | 46 | 52 | 41 | 43 | 48 | 39 | 232 | 6 | 7 | | 97% | 319 | 8 | 9 | | 97% | < 1.3 < 1.3 | | | | |
| Exc/Analyses 0/0 | | | | | | | | 0/ 6 | 0/ 26 | 0/6 | | | 0/ 6 | 0/ 26 | 0/6 | | 0/2 | 0/2 | | | |

Exc / Analyses = number of exceedances / number of analyses

ATTACHMENT 8 -- IPS Scrubber Inlet and Outlet H2S Readings, ppm

pg 1 of 4

(A-462 is Fine Screen Room Scrubber, A-463,A-464 are Coarse Screen Room/IPS Scrubbers)

| | Coarse Scrubber | | Fine Scrubber | | Coarse Scrubber | | Fine Scrubber | |
|-----------|-----------------|------------|---------------|------------|-----------------|------------|---------------|------------|
| | Inlet Avg | Outlet Avg | Inlet Avg | Outlet Avg | Inlet Max | Outlet Max | Inlet Max | Outlet Max |
| 01-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 02-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 03-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 04-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 05-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 06-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 07-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 08-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 09-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25-Jan-22 | 0.0 | 0.0 | 4.3 | 0.0 | 0.0 | 0.0 | 9.9 | 0.0 |
| 26-Jan-22 | 0.0 | 0.0 | 8.5 | 0.0 | 0.0 | 0.0 | 9.9 | 0.0 |
| 27-Jan-22 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 9.9 | 0.0 |
| 28-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 29-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 31-Jan-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Monthly Avg 0.0 0.0 0.0 0.4

Monthly Max 0.1 0.0 0.0 9.9

| | Coarse Scrubber | | Fine Scrubber | | Coarse Scrubber | | Fine Scrubber | |
|-----------|-----------------|------------|---------------|------------|-----------------|------------|---------------|------------|
| | Inlet Avg | Outlet Avg | Inlet Avg | Outlet Avg | Inlet Max | Outlet Max | Inlet Max | Outlet Max |
| 01-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 02-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 03-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 |
| 04-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 05-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 06-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 07-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 08-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 09-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 |
| 11-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13-Feb-22 | 0.3 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 |
| 14-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 | 0.0 |
| 18-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 |
| 22-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 23-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 1.6 | 0.0 |
| 24-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 25-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 26-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 28-Feb-22 | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 | 0.0 | 0.0 | 0.0 |

Monthly Avg 0.0 0.0 0.0 0.0

Monthly Max 3.0 6.6 2.3 0.0

ATTACHMENT 8 -- IPS Scrubber Inlet and Outlet H2S Readings, ppm

pg 2 of 4

| | Coarse Scrubber | | Fine Scrubber | | Coarse Scrubber | | Fine Scrubber | |
|-----------|-----------------|------------|---------------|------------|-----------------|------------|---------------|------------|
| | Inlet Avg | Outlet Avg | Inlet Avg | Outlet Avg | Inlet Max | Outlet Max | Inlet Max | Outlet Max |
| 01-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 02-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 03-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 04-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 05-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 06-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 07-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 08-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 09-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11-Mar-22 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21-Mar-22 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25-Mar-22 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 26-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27-Mar-22 | 0.1 | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 28-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 29-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 31-Mar-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Monthly Avg 0.0 0.0 0.0 0.0
Monthly Max

3.1 0.0 0.0 0.0

| | Coarse Scrubber | | Fine Scrubber | | Coarse Scrubber | | Fine Scrubber | |
|-----------|-----------------|------------|---------------|------------|-----------------|------------|---------------|------------|
| | Inlet Avg | Outlet Avg | Inlet Avg | Outlet Avg | Inlet Max | Outlet Max | Inlet Max | Outlet Max |
| 01-Apr-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 02-Apr-22 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 |
| 03-Apr-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 04-Apr-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 |
| 05-Apr-22 | 0.2 | 0.0 | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 |
| 06-Apr-22 | 0.2 | 0.0 | 0.0 | 0.0 | 2.3 | 4.7 | 0.0 | 0.0 |
| 07-Apr-22 | 0.4 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 |
| 08-Apr-22 | 0.2 | 0.0 | 0.0 | 0.0 | 3.6 | 0.0 | 0.0 | 0.0 |
| 09-Apr-22 | 0.7 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | 0.0 |
| 10-Apr-22 | 0.2 | 0.0 | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 |
| 11-Apr-22 | 0.4 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | 0.0 |
| 12-Apr-22 | 0.1 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 |
| 13-Apr-22 | 0.5 | 0.0 | 0.0 | 0.0 | 4.2 | 0.0 | 1.5 | 0.0 |
| 14-Apr-22 | 0.7 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 |
| 15-Apr-22 | 0.1 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 |
| 16-Apr-22 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 | 0.0 |
| 17-Apr-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18-Apr-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19-Apr-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20-Apr-22 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 |
| 21-Apr-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22-Apr-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23-Apr-22 | 0.1 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | 0.0 |
| 24-Apr-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25-Apr-22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 26-Apr-22 | 0.1 | 0.0 | 0.0 | 0.0 | 2.2 | 0.0 | 1.5 | 0.0 |
| 27-Apr-22 | 0.1 | 0.0 | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 |
| 28-Apr-22 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 |
| 29-Apr-22 | 0.1 | 0.0 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 |
| 30-Apr-22 | 0.3 | 0.0 | 0.0 | 0.0 | 2.6 | 0.0 | 0.0 | 0.0 |

Monthly Avg 0.2 0.0 0.0 0.0
Monthly Max

4.2 4.7 1.5 0.3

ATTACHMENT 8 -- IPS Scrubber Inlet and Outlet H2S Readings, ppm

pg 3 of 4

| | Coarse Scrubber | | Fine Scrubber | | Coarse Scrubber | | Fine Scrubber | |
|-----------|-----------------|------------|---------------|------------|-----------------|------------|---------------|------------|
| | Inlet Avg | Outlet Avg | Inlet Avg | Outlet Avg | Inlet Max | Outlet Max | Inlet Max | Outlet Max |
| 01-May-22 | 0.1 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 |
| 02-May-22 | 0.2 | 0.0 | 0.0 | 0.0 | 3.8 | 0.0 | 0.0 | 0.0 |
| 03-May-22 | 0.1 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 |
| 04-May-22 | 0.3 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 |
| 05-May-22 | 0.5 | 0.0 | 0.0 | 0.0 | 3.6 | 0.0 | 0.0 | 0.0 |
| 06-May-22 | 1.1 | 0.0 | 0.0 | 0.0 | 7.5 | 0.0 | 2.0 | 0.0 |
| 07-May-22 | 0.2 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 |
| 08-May-22 | 0.1 | 0.0 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 |
| 09-May-22 | 0.9 | 0.0 | 0.0 | 0.0 | 3.6 | 0.0 | 0.0 | 0.0 |
| 10-May-22 | 0.7 | 0.0 | 0.0 | 0.0 | 3.8 | 0.0 | 0.0 | 0.0 |
| 11-May-22 | 1.7 | 0.0 | 0.0 | 0.0 | 8.3 | 0.0 | 3.5 | 0.0 |
| 12-May-22 | 0.9 | 0.0 | 0.0 | 0.0 | 4.3 | 0.0 | 0.0 | 0.0 |
| 13-May-22 | 1.7 | 0.0 | 0.0 | 0.0 | 4.7 | 0.0 | 0.0 | 0.0 |
| 14-May-22 | 2.9 | 0.0 | 0.0 | 0.0 | 10.6 | 0.0 | 1.7 | 0.0 |
| 15-May-22 | 1.2 | 0.0 | 0.0 | 0.0 | 9.0 | 0.0 | 0.0 | 0.0 |
| 16-May-22 | 1.2 | 0.0 | 0.0 | 0.0 | 7.7 | 0.0 | 0.0 | 0.0 |
| 17-May-22 | 1.6 | 0.0 | 0.0 | 0.0 | 7.6 | 0.0 | 0.0 | 0.0 |
| 18-May-22 | 2.2 | 0.0 | 0.0 | 0.0 | 9.0 | 0.0 | 0.0 | 0.0 |
| 19-May-22 | 3.0 | 0.0 | 0.0 | 0.0 | 10.8 | 0.0 | 0.0 | 0.3 |
| 20-May-22 | 3.6 | 0.0 | 0.0 | 0.0 | 9.2 | 0.0 | 0.0 | 0.0 |
| 21-May-22 | 2.6 | 0.0 | 0.0 | 0.0 | 7.8 | 0.0 | 0.0 | 0.0 |
| 22-May-22 | 2.0 | 0.0 | 0.0 | 0.0 | 6.5 | 0.0 | 0.0 | 0.0 |
| 23-May-22 | 2.7 | 0.0 | 0.0 | 0.0 | 11.1 | 0.0 | 0.0 | 0.0 |
| 24-May-22 | 3.7 | 0.0 | 0.0 | 0.0 | 14.0 | 0.0 | 0.0 | 0.0 |
| 25-May-22 | 4.0 | 0.0 | 0.0 | 0.0 | 16.7 | 0.0 | 0.0 | 0.0 |
| 26-May-22 | 2.9 | 0.0 | 0.0 | 0.0 | 8.1 | 0.0 | 0.0 | 0.0 |
| 27-May-22 | 4.3 | 0.0 | 0.0 | 0.0 | 9.3 | 0.0 | 0.0 | 0.0 |
| 28-May-22 | 3.3 | 0.0 | 0.0 | 0.0 | 14.3 | 0.0 | 0.0 | 0.0 |
| 29-May-22 | 2.6 | 0.0 | 0.0 | 0.0 | 11.3 | 0.0 | 0.0 | 0.0 |
| 30-May-22 | 2.4 | 0.0 | 0.0 | 0.0 | 8.0 | 0.0 | 0.0 | 0.0 |
| 31-May-22 | 2.7 | 0.0 | 0.0 | 0.0 | 9.3 | 0.0 | 0.0 | 0.0 |

Monthly Avg 1.9 0.0 0.0 0.0
Monthly Max

16.7 0.0 3.5 0.3

| | Coarse Scrubber | | Fine Scrubber | | Coarse Scrubber | | Fine Scrubber | |
|-----------|-----------------|------------|---------------|------------|-----------------|------------|---------------|------------|
| | Inlet Avg | Outlet Avg | Inlet Avg | Outlet Avg | Inlet Max | Outlet Max | Inlet Max | Outlet Max |
| 01-Jun-22 | 3.6 | 0.0 | 0.0 | 0.0 | 16.7 | 0.0 | 0.0 | 0.0 |
| 02-Jun-22 | 5.8 | 0.0 | 0.0 | 0.0 | 17.5 | 0.0 | 0.0 | 0.0 |
| 03-Jun-22 | 5.2 | 0.0 | 0.0 | 0.0 | 11.8 | 0.0 | 0.0 | 0.0 |
| 04-Jun-22 | 3.8 | 0.0 | 0.0 | 0.0 | 12.4 | 0.0 | 0.0 | 0.0 |
| 05-Jun-22 | 2.1 | 0.0 | 0.0 | 0.0 | 7.1 | 0.0 | 0.0 | 0.0 |
| 06-Jun-22 | 1.8 | 0.0 | 0.0 | 0.0 | 5.8 | 0.0 | 0.0 | 0.0 |
| 07-Jun-22 | 3.6 | 0.0 | 0.0 | 0.0 | 18.3 | 0.0 | 0.0 | 0.0 |
| 08-Jun-22 | 4.8 | 0.0 | 0.0 | 0.0 | 14.0 | 0.0 | 1.5 | 0.0 |
| 09-Jun-22 | 4.6 | 0.0 | 0.0 | 0.0 | 18.2 | 0.0 | 2.0 | 0.0 |
| 10-Jun-22 | 4.9 | 0.0 | 0.0 | 0.0 | 15.5 | 0.0 | 0.0 | 0.0 |
| 11-Jun-22 | 3.4 | 0.0 | 0.0 | 0.0 | 17.3 | 0.0 | 0.0 | 0.0 |
| 12-Jun-22 | 3.8 | 0.0 | 0.0 | 0.0 | 15.8 | 0.0 | 0.0 | 0.0 |
| 13-Jun-22 | 4.0 | 0.0 | 0.0 | 0.0 | 15.2 | 0.0 | 0.0 | 0.0 |
| 14-Jun-22 | 3.5 | 0.0 | 0.0 | 0.0 | 11.5 | 0.0 | 0.0 | 0.0 |
| 15-Jun-22 | 4.8 | 0.0 | 0.0 | 0.0 | 21.4 | 0.0 | 0.0 | 0.0 |
| 16-Jun-22 | 4.9 | 0.0 | 0.0 | 0.0 | 13.7 | 0.0 | 0.0 | 0.0 |
| 17-Jun-22 | 4.7 | 0.0 | 0.0 | 0.0 | 16.3 | 0.0 | 0.0 | 0.0 |
| 18-Jun-22 | 5.2 | 0.0 | 0.0 | 0.0 | 22.3 | 0.0 | 0.0 | 0.0 |
| 19-Jun-22 | 3.1 | 0.0 | 0.0 | 0.0 | 9.9 | 0.0 | 0.0 | 0.0 |
| 20-Jun-22 | 2.9 | 0.0 | 0.0 | 0.0 | 17.5 | 0.0 | 4.5 | 0.0 |
| 21-Jun-22 | 4.0 | 0.0 | 0.0 | 0.0 | 12.6 | 0.0 | 0.0 | 0.0 |
| 22-Jun-22 | 3.8 | 0.0 | 0.0 | 0.0 | 22.1 | 0.0 | 3.3 | 0.0 |
| 23-Jun-22 | 6.3 | 0.0 | 0.0 | 0.0 | 17.5 | 0.0 | 0.0 | 0.0 |
| 24-Jun-22 | 4.5 | 0.0 | 0.0 | 0.0 | 23.7 | 0.0 | 0.0 | 0.0 |
| 25-Jun-22 | 4.1 | 0.0 | 0.0 | 0.0 | 13.5 | 0.0 | 0.0 | 0.0 |
| 26-Jun-22 | 3.3 | 0.0 | 0.0 | 0.0 | 23.9 | 0.0 | 0.0 | 0.0 |
| 27-Jun-22 | 4.3 | 0.0 | 0.0 | 0.0 | 20.3 | 0.0 | 4.4 | 0.0 |
| 28-Jun-22 | 5.0 | 0.0 | 0.0 | 0.0 | 13.6 | 0.0 | 9.1 | 0.0 |
| 29-Jun-22 | 5.1 | 0.0 | 0.0 | 0.0 | 16.3 | 0.0 | 0.0 | 0.0 |
| 30-Jun-22 | 4.5 | 0.0 | 0.0 | 0.0 | 13.1 | 0.0 | 0.0 | 0.0 |

Monthly Avg 4.2 0.0 0.0 0.0
Monthly Max

23.9 0.0 9.1 0.0

ATTACHMENT 8 -- IPS Scrubber Inlet and Outlet H2S Readings - Related Outages

pg 4 of 4

Influent Pump Station Odor Scrubber Outage Table

| Start | Finish | Duration | Reason |
|-----------------|-----------------|--------------------|---|
| 07-Jan-22 07:04 | 07-Jan-22 07:08 | 0:04 | Maintenance inspection A462 (EF-09) |
| 25-Jan-22 11:21 | 25-Jan-22 11:32 | 0:11 | Power failure multiple locations at IPS including A462, A463/A464 |
| 07-Apr-22 07:42 | 07-Apr-22 13:09 | 5:27 | Coarse scrubber PM, grease/mist eliminator service for A642 |
| 12-Apr-22 12:51 | 12-Apr-22 12:57 | 0:06 | Power work at plant. Intermittent pumping while scrubber down. |
| 12-Apr-22 13:04 | 12-Apr-22 13:18 | 0:14 | Power work at plant. Intermittent pumping while scrubber down. |
| 22-Apr-22 14:48 | 22-Apr-22 14:53 | 0:05 | Power failure multiple locations at IPS including A462, A463/A464 |
| 02-May-22 08:06 | 02-May-22 08:49 | 0:43 | Blown fuse on startup after PLC reset A463/A464 |
| 04-May-22 13:59 | 04-May-22 14:07 | 0:08 | Not logged, Power glitch A462 |
| 05-May-22 10:24 | 05-May-22 10:27 | 0:03 | Not logged, Power glitch A462 |
| Total Down Time | | <u><u>7:01</u></u> | |

Attachment 9**Odor Scrubber Maintenance Records for S-110 (IPS, W-12, W-30) and S-170 (Sludge Handling, W-25)**

| Area | Wonum | Description | Assetnum | Req Dept | Resp Dept | Status | Type | Report Date | Reported By |
|-------------|--------------|--|------------------|-----------------|------------------|---------------|-------------|--------------------|--------------------|
| W-12 | 2022000073 | IPS BTF Odor Scrubber PLC is asking for a password and will not function without it. Need Password | W-12-FA-BIO-101 | PO | IN | COMP | CM | CAMAN | 1/19/2022 |
| W-30 | 2022021931 | Odor scrubber hypo line leaking (see long description) Odor scrubber's hypo line is leaking near the eyewash. Leak appears to be coming from the vent valve as well as a nearby union. | W-30-TKS-301-00 | PO | MEN | COMP | CM | MMYEE | 2/20/2022 |
| W-12 | 2022035236 | Carbon Scrubber #1 pressure differential transmitter (see long) Carbon Scrubber #1's differential pressure transmitter is displaying an "ANALOG SAT" error. The reading has been flatlining as a negative value. | W-12-FA-SBR-301 | PO | IN | COMP | CM | MMYEE | 3/4/2022 |
| W-12 | 2022035368 | Odor scrubber Grease/Mist Eliminator gauge is maxed out at 4in h2o. Possible plugged filter. | W-12-FA-FLT-002 | PO | MEN | COMP | CM | DGARCIA | 3/22/2022 |
| W-12 | 2022035369 | Biotrickling Filter #1+2 irrigation water PH meters need calibration. | W-12-IRR-AIT-128 | PO | IN | COMP | CM | DGARCIA | 3/22/2022 |
| W-12 | 2022050226 | Biotrickling filter exhaust fan #2 belt squealing/ burning | W-12-FA-EF-202 | PO | MEN | COMP | CM | RHELMERS | 4/12/2022 |
| W-12 | 2022050362 | fine-screen and rag room possible bad LEL sensor | W-12-INS-MSA-02 | PO | IN | COMP | CM | ZTPAYNE | 4/26/2022 |
| W-25 | 2022050203 | Dewater odor scrubber south unit (closer to Op Center) hypo rotometer has a hypo drip at bottom | W-25-MISC-000-00 | PO | MEN | COMP | BD | KDUONG | 4/7/2022 |

ATTACHMENT 10 -- S-170 Waste Activated Sludge Throughput

2022 January - June Gravity Belt Thickener Summary Flow Table

| Daily Flows | Note: Kgal=1,000 gallons | | | | | |
|-------------------|--------------------------|------------------|---------------|---------------|-------------|--------------|
| | January Kgal | February Kgal | March Kgal | April Kgal | May Kgal | June Kgal |
| 1st | 1,234 | 771 | 980 | 1,229 | 886 | 910 |
| 2nd | 1,220 | 882 | 724 | 1,287 | 766 | 1,308 |
| 3rd | 1,925 | 1,008 | 795 | 1,287 | 820 | 1,122 |
| 4th | 1,062 | 991 | 722 | 1,219 | 888 | 1,151 |
| 5th | 1,192 | 1,202 | 724 | 1,438 | 1,022 | 1,125 |
| 6th | 1,184 | 1,212 | 714 | 1,096 | 1,065 | 1,133 |
| 7th | 1,216 | 945 | 734 | 976 | 1,060 | 1,157 |
| 8th | 1,182 | 734 | 601 | 817 | 1,063 | 1,120 |
| 9th | 1,313 | 874 | 871 | 764 | 1,044 | 1,090 |
| 10th | 1,161 | 805 | 975 | 719 | 1,001 | 1,155 |
| 11th | 1,102 | 802 | 900 | 712 | 927 | 1,140 |
| 12th | 1,188 | 796 | 985 | 702 | 793 | 1,130 |
| 13th | 1,137 | 790 | 904 | 636 | 797 | 1,105 |
| 14th | 1,009 | 779 | 941 | 655 | 823 | 1,072 |
| 15th | 859 | 648 | 932 | 428 | 811 | 1,082 |
| 16th | 906 | 850 | 934 | 510 | 781 | 1,011 |
| 17th | 980 | 734 | 924 | 1,029 | 1,059 | 953 |
| 18th | 995 | 710 | 1,100 | 689 | 1,071 | 946 |
| 19th | 925 | 788 | 1,320 | 1,303 | 1,228 | 962 |
| 20th | 872 | 726 | 1,301 | 1,105 | 1,073 | 465 |
| 21st | 751 | 789 | 1,383 | 791 | 1,053 | 0 |
| 22nd | 768 | 767 | 1,259 | 727 | 1,012 | 921 |
| 23rd | 844 | 726 | 943 | 732 | 1,006 | 1,012 |
| 24th | 837 | 731 | 940 | 712 | 743 | 660 |
| 25th | 731 | 727 | 829 | 721 | 830 | 958 |
| 26th | 822 | 729 | 858 | 717 | 819 | 725 |
| 27th | 822 | 767 | 1,006 | 721 | 1,094 | 842 |
| 28th | 885 | 580 | 1,495 | 768 | 1,104 | 841 |
| 29th | 912 | | 1,429 | 886 | 850 | 1,004 |
| 30th | 876 | | 1,090 | 790 | 1,100 | 980 |
| 31st | 1,021 | | 1,261 | | 1,099 | |
| Monthly Total | 31,930 | 22,861 | 30,573 | 26,163 | 29,685 | 29,077 |
| Semi-Annual Total | 170,289 | | | | | |

Gravity Belt Thickener and Dewatering Centrifuge Odor Scrubber Outage Table

| Start | Finish | Duration | Reason |
|-------|--------|----------|--------|
|-------|--------|----------|--------|

| | |
|----------------------|--------------------|
| Total Down Time, DWB | <u><u>0:00</u></u> |
|----------------------|--------------------|

ATTACHMENT 11**2022 January - June Blend Tank Summary Flow Table**

| Daily Flows | January | February | March | April | May | June |
|-------------------|----------------|-----------------|--------------|--------------|------------|-------------|
| | Kgal | Kgal | Kgal | Kgal | Kgal | Kgal |
| 1st | 632 | 848 | 990 | 857 | 745 | 754 |
| 2nd | 578 | 883 | 823 | 953 | 896 | 778 |
| 3rd | 533 | 990 | 901 | 820 | 1,068 | 730 |
| 4th | 645 | 797 | 781 | 873 | 1,035 | 738 |
| 5th | 827 | 864 | 831 | 1,081 | 938 | 540 |
| 6th | 874 | 801 | 661 | 915 | 972 | 692 |
| 7th | 808 | 822 | 791 | 948 | 872 | 794 |
| 8th | 765 | 872 | 860 | 1,003 | 824 | 742 |
| 9th | 650 | 714 | 867 | 827 | 909 | 722 |
| 10th | 640 | 899 | 1,019 | 854 | 977 | 801 |
| 11th | 858 | 761 | 935 | 906 | 823 | 773 |
| 12th | 817 | 706 | 977 | 1,032 | 739 | 678 |
| 13th | 836 | 649 | 813 | 860 | 868 | 661 |
| 14th | 816 | 787 | 927 | 945 | 756 | 753 |
| 15th | 745 | 780 | 942 | 642 | 625 | 835 |
| 16th | 548 | 885 | 959 | 1,089 | 835 | 755 |
| 17th | 691 | 879 | 916 | 900 | 869 | 772 |
| 18th | 823 | 697 | 1,041 | 1,046 | 919 | 601 |
| 19th | 800 | 835 | 905 | 1,159 | 904 | 471 |
| 20th | 778 | 680 | 710 | 1,000 | 888 | 588 |
| 21st | 791 | 757 | 771 | 990 | 792 | 629 |
| 22nd | 703 | 850 | 803 | 967 | 734 | 853 |
| 23rd | 690 | 824 | 843 | 866 | 840 | 865 |
| 24th | 752 | 851 | 921 | 699 | 764 | 541 |
| 25th | 931 | 818 | 849 | 874 | 796 | 667 |
| 26th | 819 | 783 | 944 | 1,043 | 821 | 484 |
| 27th | 868 | 726 | 871 | 991 | 909 | 721 |
| 28th | 815 | 784 | 945 | 1,030 | 848 | 889 |
| 29th | 850 | | 941 | 1,080 | 645 | 820 |
| 30th | 628 | | 844 | 947 | 680 | 915 |
| 31st | 805 | | 885 | | 706 | |
| Monthly Total | 23,317 | 22,541 | 27,268 | 28,197 | 25,998 | 21,562 |
| Semi-Annual Total | 148,884 | | | | | |

ATTACHMENT 12 - DIGESTER GAS SAMPLING DATA
EBMUD Biogas H2S
January - June 2022

| 2022 | Cogen Feed H2S (ppm) | 365 Day Avg H2S (ppm) |
|-------------|-------------------------|--------------------------|
| 1/1/2022 | 153 | 132 |
| 1/2/2022 | 71 | 132 |
| 1/3/2022 | 104 | 132 |
| 1/4/2022 | 170 | 132 |
| 1/5/2022 | 106 | 132 |
| 1/6/2022 | 162 | 132 |
| 1/7/2022 | 216 | 133 |
| 1/8/2022 | 132 | 133 |
| 1/9/2022 | 83 | 133 |
| 1/10/2022 | 66 | 133 |
| 1/11/2022 | 84 | 133 |
| 1/12/2022 | 82 | 132 |
| 1/13/2022 | 94 | 132 |
| 1/14/2022 | 96 | 132 |
| 1/15/2022 | 112 | 132 |
| 1/16/2022 | 59 | 132 |
| 1/17/2022 | 74 | 131 |
| 1/18/2022 | 79 | 131 |
| 1/19/2022 | 70 | 131 |
| 1/20/2022 | 87 | 131 |
| 1/21/2022 | 100 | 130 |
| 1/22/2022 | 100 | 130 |
| 1/23/2022 | 77 | 130 |
| 1/24/2022 | 68 | 130 |
| 1/25/2022 | 80 | 130 |
| 1/26/2022 | 81 | 129 |
| 1/27/2022 | 109 | 129 |
| 1/28/2022 | 83 | 129 |
| 1/29/2022 | 87 | 129 |
| 1/30/2022 | 90 | 129 |
| 1/31/2022 | 60 | 129 |
| 2/1/2022 | 86 | 128 |
| 2/2/2022 | 77 | 128 |
| 2/3/2022 | 99 | 128 |
| 2/4/2022 | 108 | 128 |
| 2/5/2022 | 101 | 128 |
| 2/6/2022 | 77 | 128 |
| 2/7/2022 | 79 | 128 |
| 2/8/2022 | 126 | 128 |
| 2/9/2022 | 141 | 128 |
| 2/10/2022 | 134 | 128 |
| 2/11/2022 | 100 | 128 |
| 2/12/2022 | 151 | 128 |
| 2/13/2022 | 99 | 128 |
| 2/14/2022 | 89 | 128 |
| 2/15/2022 | 105 | 128 |
| 2/16/2022 | 237 | 128 |
| 2/17/2022 | 141 | 128 |
| 2/18/2022 | 148 | 128 |
| 2/19/2022 | 153 | 128 |
| 2/20/2022 | 115 | 128 |
| 2/21/2022 | 102 | 128 |
| 2/22/2022 | 206 | 129 |
| 2/23/2022 | 161 | 129 |
| 2/24/2022 | 189 | 129 |
| 2/25/2022 | 225 | 129 |
| 2/26/2022 | 261 | 130 |
| 2/27/2022 | 146 | 129 |
| 2/28/2022 | 109 | 130 |

Carbon vessels swapped on 6/29
so 6/30 reading is zero breakthrough.

| 2022 | Cogen Feed H2S (ppm) | 365 Day Avg H2S (ppm) |
|-------------|-------------------------|--------------------------|
| 3/1/2022 | 108 | 130 |
| 3/2/2022 | 117 | 130 |
| 3/3/2022 | 164 | 130 |
| 3/4/2022 | 159 | 130 |
| 3/5/2022 | 173 | 130 |
| 3/6/2022 | 105 | 130 |
| 3/7/2022 | 166 | 131 |
| 3/8/2022 | 194 | 131 |
| 3/9/2022 | 97 | 131 |
| 3/10/2022 | 193 | 131 |
| 3/11/2022 | 244 | 131 |
| 3/12/2022 | 214 | 132 |
| 3/13/2022 | 154 | 132 |
| 3/14/2022 | 224 | 132 |
| 3/15/2022 | 178 | 132 |
| 3/16/2022 | 158 | 132 |
| 3/17/2022 | 190 | 132 |
| 3/18/2022 | 191 | 133 |
| 3/19/2022 | 167 | 133 |
| 3/20/2022 | 150 | 133 |
| 3/21/2022 | 169 | 133 |
| 3/22/2022 | 107 | 133 |
| 3/23/2022 | 166 | 133 |
| 3/24/2022 | 154 | 133 |
| 3/25/2022 | 162 | 133 |
| 3/26/2022 | 29 | 133 |
| 3/27/2022 | 96 | 133 |
| 3/28/2022 | 94 | 133 |
| 3/29/2022 | 168 | 133 |
| 3/30/2022 | 171 | 133 |
| 3/31/2022 | 153 | 134 |

| 2022 | Cogen Feed H2S (ppm) | 365 Day Avg H2S (ppm) |
|-------------|-------------------------|--------------------------|
| 5/1/2022 | 140 | 138 |
| 5/2/2022 | 87 | 138 |
| 5/3/2022 | 156 | 138 |
| 5/4/2022 | 142 | 138 |
| 5/5/2022 | 156 | 138 |
| 5/6/2022 | 339 | 139 |
| 5/7/2022 | 144 | 139 |
| 5/8/2022 | 190 | 139 |
| 5/9/2022 | 140 | 139 |
| 5/10/2022 | 129 | 139 |
| 5/11/2022 | 152 | 139 |
| 5/12/2022 | 147 | 139 |
| 5/13/2022 | 159 | 139 |
| 5/14/2022 | 133 | 139 |
| 5/15/2022 | 83 | 139 |
| 5/16/2022 | 79 | 139 |
| 5/17/2022 | 149 | 139 |
| 5/18/2022 | 140 | 140 |
| 5/19/2022 | 145 | 140 |
| 5/20/2022 | 152 | 140 |
| 5/21/2022 | 149 | 140 |
| 5/22/2022 | 111 | 140 |
| 5/23/2022 | 147 | 140 |
| 5/24/2022 | 86 | 140 |
| 5/25/2022 | 84 | 140 |
| 5/26/2022 | 131 | 140 |
| 5/27/2022 | 160 | 140 |
| 5/28/2022 | 96 | 140 |
| 5/29/2022 | 116 | 140 |
| 5/30/2022 | 167 | 140 |
| 5/31/2022 | 150 | 140 |
| 6/1/2022 | 103 | 141 |
| 6/2/2022 | 117 | 141 |
| 6/3/2022 | 105 | 141 |
| 6/4/2022 | 85 | 141 |
| 6/5/2022 | 124 | 141 |
| 6/6/2022 | 114 | 141 |
| 6/7/2022 | 120 | 141 |
| 6/8/2022 | 75 | 141 |
| 6/9/2022 | 92 | 141 |
| 6/10/2022 | 93 | 141 |
| 6/11/2022 | 89 | 141 |
| 6/12/2022 | 108 | 141 |
| 6/13/2022 | 86 | 142 |
| 6/14/2022 | 90 | 142 |
| 6/15/2022 | 61 | 142 |
| 6/16/2022 | 69 | 142 |
| 6/17/2022 | 74 | 142 |
| 6/18/2022 | 64 | 142 |
| 6/19/2022 | 73 | 141 |
| 6/20/2022 | 85 | 141 |
| 6/21/2022 | 161 | 142 |
| 6/22/2022 | 69 | 141 |
| 6/23/2022 | 84 | 141 |
| 6/24/2022 | 37 | 141 |
| 6/25/2022 | 52 | 141 |
| 6/26/2022 | 91 | 141 |
| 6/27/2022 | 69 | 140 |
| 6/28/2022 | 100 | 140 |
| 6/29/2022 | 127 | 140 |
| 6/30/2022 | 0 | 140 |

ATTACHMENT 13 - TOTAL DIGESTER GAS COMBUSTION
EBMUD Biogas to Combustion Devices
January - June 2022

| 2022 | Total Combustion, SCFM | | |
|-----------|------------------------|-----------|-------------|
| | Daily Max | Daily Avg | 365-Day Avg |
| 1/1/2022 | 2,598 | 1,783 | 2,437 |
| 1/2/2022 | 1,961 | 1,377 | 2,437 |
| 1/3/2022 | 2,336 | 1,779 | 2,438 |
| 1/4/2022 | 2,131 | 2,037 | 2,438 |
| 1/5/2022 | 3,179 | 2,175 | 2,437 |
| 1/6/2022 | 3,590 | 2,913 | 2,439 |
| 1/7/2022 | 3,484 | 2,929 | 2,440 |
| 1/8/2022 | 3,079 | 2,596 | 2,441 |
| 1/9/2022 | 2,242 | 1,616 | 2,440 |
| 1/10/2022 | 2,363 | 1,703 | 2,441 |
| 1/11/2022 | 3,430 | 2,746 | 2,443 |
| 1/12/2022 | 3,284 | 2,689 | 2,443 |
| 1/13/2022 | 3,150 | 2,584 | 2,444 |
| 1/14/2022 | 3,249 | 2,753 | 2,444 |
| 1/15/2022 | 2,462 | 2,102 | 2,443 |
| 1/16/2022 | 1,918 | 1,566 | 2,442 |
| 1/17/2022 | 1,964 | 1,728 | 2,442 |
| 1/18/2022 | 2,457 | 2,057 | 2,443 |
| 1/19/2022 | 3,268 | 2,570 | 2,444 |
| 1/20/2022 | 3,564 | 2,684 | 2,445 |
| 1/21/2022 | 3,280 | 2,101 | 2,444 |
| 1/22/2022 | 2,316 | 1,855 | 2,443 |
| 1/23/2022 | 1,885 | 1,535 | 2,442 |
| 1/24/2022 | 2,359 | 1,666 | 2,442 |
| 1/25/2022 | 2,952 | 2,377 | 2,445 |
| 1/26/2022 | 2,562 | 2,190 | 2,445 |
| 1/27/2022 | 2,693 | 2,471 | 2,446 |
| 1/28/2022 | 2,738 | 2,471 | 2,446 |
| 1/29/2022 | 2,358 | 2,196 | 2,444 |
| 1/30/2022 | 2,335 | 1,600 | 2,443 |
| 1/31/2022 | 2,807 | 1,917 | 2,444 |
| 2/1/2022 | 3,568 | 2,809 | 2,447 |
| 2/2/2022 | 3,175 | 2,473 | 2,448 |
| 2/3/2022 | 3,547 | 2,791 | 2,449 |
| 2/4/2022 | 2,794 | 2,253 | 2,449 |
| 2/5/2022 | 2,136 | 1,879 | 2,447 |
| 2/6/2022 | 2,362 | 1,791 | 2,446 |
| 2/7/2022 | 2,535 | 1,950 | 2,447 |
| 2/8/2022 | 3,802 | 2,921 | 2,450 |
| 2/9/2022 | 3,325 | 2,750 | 2,451 |
| 2/10/2022 | 3,414 | 2,711 | 2,451 |
| 2/11/2022 | 3,371 | 2,574 | 2,452 |
| 2/12/2022 | 3,133 | 2,317 | 2,452 |
| 2/13/2022 | 2,214 | 1,816 | 2,451 |
| 2/14/2022 | 3,218 | 2,491 | 2,453 |
| 2/15/2022 | 3,610 | 2,780 | 2,456 |
| 2/16/2022 | 4,121 | 3,247 | 2,459 |
| 2/17/2022 | 3,677 | 3,198 | 2,460 |
| 2/18/2022 | 2,887 | 2,354 | 2,460 |
| 2/19/2022 | 2,529 | 2,101 | 2,457 |
| 2/20/2022 | 2,183 | 1,837 | 2,457 |
| 2/21/2022 | 2,744 | 2,060 | 2,458 |
| 2/22/2022 | 3,073 | 2,563 | 2,460 |
| 2/23/2022 | 3,558 | 2,761 | 2,460 |
| 2/24/2022 | 3,233 | 2,659 | 2,461 |
| 2/25/2022 | 2,871 | 2,542 | 2,459 |
| 2/26/2022 | 2,622 | 2,291 | 2,458 |
| 2/27/2022 | 2,106 | 1,812 | 2,457 |
| 2/28/2022 | 2,569 | 1,979 | 2,458 |

3,400 Annual Average Limit

| 2022 | Total Combustion, SCFM | | |
|-----------|------------------------|-----------|-------------|
| | Daily Max | Daily Avg | 365-Day Avg |
| 3/1/2022 | 3,615 | 2,661 | 2,459 |
| 3/2/2022 | 3,974 | 3,103 | 2,460 |
| 3/3/2022 | 3,863 | 3,368 | 2,463 |
| 3/4/2022 | 3,683 | 2,813 | 2,463 |
| 3/5/2022 | 2,809 | 2,355 | 2,462 |
| 3/6/2022 | 2,156 | 1,827 | 2,461 |
| 3/7/2022 | 2,463 | 2,083 | 2,462 |
| 3/8/2022 | 3,579 | 2,789 | 2,464 |
| 3/9/2022 | 3,282 | 2,559 | 2,464 |
| 3/10/2022 | 3,667 | 3,233 | 2,463 |
| 3/11/2022 | 3,941 | 3,445 | 2,464 |
| 3/12/2022 | 3,451 | 2,688 | 2,464 |
| 3/13/2022 | 2,576 | 2,055 | 2,463 |
| 3/14/2022 | 3,365 | 2,770 | 2,466 |
| 3/15/2022 | 4,243 | 3,275 | 2,470 |
| 3/16/2022 | 4,091 | 3,424 | 2,473 |
| 3/17/2022 | 3,743 | 3,079 | 2,474 |
| 3/18/2022 | 3,662 | 3,371 | 2,475 |
| 3/19/2022 | 3,903 | 2,979 | 2,476 |
| 3/20/2022 | 2,601 | 2,218 | 2,476 |
| 3/21/2022 | 3,484 | 2,637 | 2,479 |
| 3/22/2022 | 3,258 | 2,581 | 2,481 |
| 3/23/2022 | 3,882 | 3,136 | 2,484 |
| 3/24/2022 | 3,779 | 3,387 | 2,486 |
| 3/25/2022 | 3,938 | 2,814 | 2,486 |
| 3/26/2022 | 2,965 | 2,497 | 2,486 |
| 3/27/2022 | 2,346 | 2,000 | 2,485 |
| 3/28/2022 | 3,488 | 2,518 | 2,487 |
| 3/29/2022 | 3,128 | 2,661 | 2,488 |
| 3/30/2022 | 3,369 | 2,377 | 2,488 |
| 3/31/2022 | 3,198 | 2,634 | 2,488 |
| 4/1/2022 | 3,478 | 2,522 | 2,487 |
| 4/2/2022 | 2,742 | 2,359 | 2,487 |
| 4/3/2022 | 2,513 | 1,953 | 2,487 |
| 4/4/2022 | 4,160 | 2,519 | 2,490 |
| 4/5/2022 | 3,609 | 2,760 | 2,492 |
| 4/6/2022 | 3,238 | 2,776 | 2,493 |
| 4/7/2022 | 3,782 | 3,089 | 2,496 |
| 4/8/2022 | 3,611 | 2,935 | 2,499 |
| 4/9/2022 | 2,656 | 2,337 | 2,499 |
| 4/10/2022 | 2,268 | 1,813 | 2,499 |
| 4/11/2022 | 2,803 | 2,111 | 2,500 |
| 4/12/2022 | 3,597 | 2,770 | 2,501 |
| 4/13/2022 | 3,707 | 2,869 | 2,503 |
| 4/14/2022 | 4,024 | 3,228 | 2,505 |
| 4/15/2022 | 3,497 | 2,602 | 2,506 |
| 4/16/2022 | 3,300 | 2,765 | 2,506 |
| 4/17/2022 | 2,605 | 2,172 | 2,505 |
| 4/18/2022 | 3,240 | 2,504 | 2,507 |
| 4/19/2022 | 4,025 | 3,030 | 2,509 |
| 4/20/2022 | 2,722 | 2,467 | 2,509 |
| 4/21/2022 | 3,320 | 2,604 | 2,509 |
| 4/22/2022 | 2,767 | 2,584 | 2,510 |
| 4/23/2022 | 2,559 | 2,327 | 2,510 |
| 4/24/2022 | 2,087 | 1,756 | 2,509 |
| 4/25/2022 | 3,237 | 2,236 | 2,510 |
| 4/26/2022 | 3,614 | 3,074 | 2,513 |
| 4/27/2022 | 3,337 | 2,741 | 2,513 |
| 4/28/2022 | 2,830 | 2,499 | 2,512 |
| 4/29/2022 | 2,711 | 2,458 | 2,511 |
| 4/30/2022 | 2,751 | 2,539 | 2,511 |

| 2022 | Total Combustion, SCFM | | |
|-----------|------------------------|-----------|-------------|
| | Daily Max | Daily Avg | 365-Day Avg |
| 5/1/2022 | 2,392 | 1,912 | 2,509 |
| 5/2/2022 | 3,012 | 2,495 | 2,510 |
| 5/3/2022 | 3,916 | 3,229 | 2,514 |
| 5/4/2022 | 3,279 | 2,777 | 2,514 |
| 5/5/2022 | 3,416 | 2,849 | 2,515 |
| 5/6/2022 | 3,583 | 2,838 | 2,516 |
| 5/7/2022 | 3,542 | 2,686 | 2,516 |
| 5/8/2022 | 2,073 | 1,857 | 2,515 |
| 5/9/2022 | 2,824 | 2,216 | 2,516 |
| 5/10/2022 | 3,533 | 2,712 | 2,518 |
| 5/11/2022 | 3,956 | 3,219 | 2,520 |
| 5/12/2022 | 3,457 | 2,657 | 2,521 |
| 5/13/2022 | 3,667 | 2,997 | 2,522 |
| 5/14/2022 | 2,989 | 2,247 | 2,522 |
| 5/15/2022 | 2,190 | 1,690 | 2,520 |
| 5/16/2022 | 3,467 | 2,367 | 2,522 |
| 5/17/2022 | 3,665 | 2,716 | 2,524 |
| 5/18/2022 | 3,923 | 2,986 | 2,527 |
| 5/19/2022 | 3,907 | 3,177 | 2,529 |
| 5/20/2022 | 3,848 | 3,489 | 2,532 |
| 5/21/2022 | 3,157 | 2,576 | 2,531 |
| 5/22/2022 | 1,906 | 1,756 | 2,528 |
| 5/23/2022 | 3,514 | 2,380 | 2,529 |
| 5/24/2022 | 3,282 | 2,648 | 2,531 |
| 5/25/2022 | 3,525 | 2,785 | 2,531 |
| 5/26/2022 | 3,305 | 2,612 | 2,532 |
| 5/27/2022 | 3,299 | 2,663 | 2,532 |
| 5/28/2022 | 3,138 | 2,527 | 2,531 |
| 5/29/2022 | 2,319 | 2,024 | 2,529 |
| 5/30/2022 | 2,603 | 2,173 | 2,530 |
| 5/31/2022 | 3,129 | 2,340 | 2,532 |
| 6/1/2022 | 3,383 | 2,548 | 2,533 |
| 6/2/2022 | 3,421 | 2,857 | 2,534 |
| 6/3/2022 | 3,807 | 2,982 | 2,535 |
| 6/4/2022 | 2,914 | 2,401 | 2,534 |
| 6/5/2022 | 2,519 | 1,680 | 2,532 |
| 6/6/2022 | 2,460 | 1,873 | 2,532 |
| 6/7/2022 | 3,693 | 2,578 | 2,534 |
| 6/8/2022 | 3,249 | 2,544 | 2,535 |
| 6/9/2022 | 3,697 | 3,074 | 2,536 |
| 6/10/2022 | 4,172 | 3,368 | 2,538 |
| 6/11/2022 | 3,720 | 2,859 | 2,538 |
| 6/12/2022 | 2,144 | 1,968 | 2,536 |
| 6/13/2022 | 2,662 | 1,870 | 2,535 |
| 6/14/2022 | 3,212 | 2,575 | 2,536 |
| 6/15/2022 | 3,538 | 3,053 | 2,538 |
| 6/16/2022 | 3,498 | 2,928 | 2,538 |
| 6/17/2022 | 3,445 | 2,822 | 2,537 |
| 6/18/2022 | 3,419 | 2,705 | 2,538 |
| 6/19/2022 | 2,035 | 1,584 | 2,535 |
| 6/20/2022 | 3,122 | 2,211 | 2,535 |
| 6/21/2022 | 3,534 | 3,064 | 2,538 |
| 6/22/2022 | 3,570 | 2,699 | 2,539 |
| 6/23/2022 | 3,565 | 2,871 | 2,539 |
| 6/24/2022 | 3,497 | 2,698 | 2,538 |
| 6/25/2022 | 2,688 | 2,183 | 2,537 |
| 6/26/2022 | 1,977 | 1,581 | 2,534 |
| 6/27/2022 | 2,369 | 1,847 | 2,532 |
| 6/28/2022 | 3,543 | 2,855 | 2,535 |
| 6/29/2022 | 3,963 | 3,457 | 2,538 |
| 6/30/2022 | 4,245 | 3,589 | 2,540 |