| DOCKETED | |
|---|---|
| **Docket Number:** | 06-AFC-10C |
| **Project Title:** | Midway Peaking Project - Starwood Power-Midway LLC |
| **TN #:** | 262160 |
| **Document Title:** | Quarterly Operation Report – 4th Qtr 2024 |
| **Description:** | Quarterly Operation Report – Fourth Quarter 2024 |
| **Filer:** | Anwar Ali |
| **Organization:** | California Energy Commission |
| **Submitter Role:** | Commission Staff |
| **Submission Date:** | 3/12/2025 9:21:34 AM |
| **Docketed Date:** | 3/12/2025 |

Midway Peaking, LLC

4350 Executive Drive, Ste. 320
San Diego, CA 92122
619-756-5795

January 28, 2025

Anwar Ali
Compliance Project Manager
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814-5512
(916) 654-4611

Subject: **CEC Quarterly Operation Report – 4th Qtr. 2024**
**06-AFC-10**
**Midway Peaking, LLC**

Dear Mr. Ali.

Pursuant to Condition of Certification AQ-SC10 of Commission Decision, Docket No. 06-AFC-10, Midway Peaking, LLC hereby submits the *Quarterly Operation Report* for the fourth quarter 2024 reporting period.

The conditions referenced herein have been updated to coincide with the CEC Final order approved on March 14, 2012, Docket No.06-AFC-10C.

Midway Peaking, LLC is committed to the safe and environmentally responsible operation of this facility. Should you have any questions please contact Tony Gilmore, Compliance Manager, at (619) 756-5795.

Sincerely,

Claude Couvillion
Senior Vice President of Operations and Development
Middle River Power, LLC

Enclosure

DISTRIBUTION LIST

- Keith Winstead, Planner III/Compliance Project Manager, CEC (e copy)
- Kathy Hurst, Director of EHS, Middle River Power (e copy)
- Ramiro Gonzalez, Plant Manager, Midway Peaking, LLC. (e copy)
- Taylor Leach, Environmental Specialist, NAES (e copy)

# Midway Peaking, LLC
# CEC Quarterly Operation Report Summary
# Quarter 4 - 2024

| Condition | Description of Action | Status / Comments |
|---|---|---|
| AQ-7 | Submit proof that necessary Title IV SO2 emission allotments have been acquired as necessary for compliance with Title IV requirements annually in the first Quarterly Compliance Report (AQ-SC10) that is due after the annual SO2 allotment due date. | The project was in compliance with the holding/surrendering of Title IV SO2 allotments. The Acid Rain (Title IV) SO2 Annual Reconciliation/Allowance Transfer is due by Mar 1st each year. This information is included in **Attachment 7**. |
| AQ-25 | All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. | The project was in compliance with this requirement, |
| AQ-26 | No air contaminant shall be released into the atmosphere which causes a public nuisance. The project owner will document any complaints that it has received from the public in the Quarterly Operation Report (AQ-SC10). | The project was in compliance with this requirement. No complaints were received from the public during this reporting period. |
| AQ-27 | No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. The project owner shall document any known opacity violations in the Quarterly Operation Report (AQ-SC10). | The project was in compliance with this requirement. No known opacity violations occurred during the reporting period. |
| AQ-30 | The CTGs shall be fired exclusively on PUC-regulated natural gas with a sulfur content of no greater than 1.0 grain of sulfur compounds (as S) per 100 dry scf of natural gas. The project owner shall compile the required data on the sulfur content of the natural gas and submit the information to the CPM and the APCO in the Quarterly Operation Report (AQ-SC10). | The project was in compliance with this requirement. The CTGs are supplied with PUC-regulated natural gas with less than 1.0 gr/100 dscf in accordance with PG&E Gas Rule No. 21. Included in **Attachment 1** is data published by PG&E to demonstrate the natural gas sulfur content is consistently less than the standard. |
| AQ-31 | Emission rates from each CTG, except during startup and shutdown periods, shall not exceed any of the following limits: NOx (as NO2) – 2.8 lb/hr and 2.5 ppmvd @ 15% O2; CO – 4.19 lb/hr and 6.0 ppmvd @ 15% O2; VOC (as methane) – 0.82 lb/hr and 2.0 ppmvd @ 15% O2; PM10 – 1.85 lb/hr; or SOx (as SO2) – 0.89 lb/hr. The project owner shall submit to the CPM and APCO CTG emissions data demonstrating compliance with this condition as part of the Quarterly Operation Report (AQ-SC10). | CEMS are used to demonstrate compliance with NOx and CO; all emissions were within permitted emission limits unless specifically noted in **Attachment 2**, which includes a copy of the Quarterly CEMS Excess Emission and Downtime Summary report submitted to the APCO for the reporting period. Source tests are conducted every 12 or 24 months to demonstrate compliance with PM10 and VOC and the source test reports are submitted to the CMP and APCO within 60-days of completing the test; refer to AQ-50 for more information. Ongoing monitoring for SOx is not required by the permit. |
| AQ-32 | Combined emission rates except during startup and shutdown periods, shall not exceed any of the following Swift Pac two turbine limits: NOx (as NO2) – 5.6 lb/hr and 2.5 ppmvd @ 15% O2; CO – 8.38 lb/hr and 6.0 ppmvd @ 15% O2; VOC (as methane) – 1.64 lb/hr and 2.0 ppmvd @ 15% O2; PM10 – 3.70 lb/hr; or SOx (as SO2) – 1.78 lb/hr. The project owner shall submit to the CPM and APCO CTG emissions data demonstrating compliance with this condition as part of the Quarterly Operation Report (AQ-SC10). | CEMS are used to demonstrate compliance with NOx and CO; all emissions were within permitted emission limits unless specifically noted in **Attachment 2**, which includes a copy of the Quarterly CEMS Excess Emission and Downtime Summary report submitted to the APCO for the reporting period. Source tests are conducted every 12 or 24 months to demonstrate compliance with PM10 and VOC and the source test reports are submitted to the CMP and APCO within 60-days of completing the test; refer to AQ-50 for more information. Ongoing monitoring for SOx is not required by the permit. |
| AQ-33 | The ammonia (NH3) emissions shall not exceed either of the following limits: 4.24 lb/hr or 10 ppmvd @ 15% O2 over a 24 hour rolling average. The project owner shall submit to the CPM and APCO CTG emissions data demonstrating compliance with this condition, using approved calculation methods (AQ-47), as part of the Quarterly Operation Report (AQ-SC10). | Ammonia emissions are estimated hourly using a calculation involving inlet and outlet NOx and O2 CEMS measurements. Included in **Attachment 3** is an excess emission report from the CEMS data acquisition and monitoring system (DAHS) to demonstrate that the emission limits were not exceeded during the compliance period. |
| AQ-34 | During start-up, CTG exhaust emission rates shall not exceed any of the following limits: NOx (as NO2) – 30 lb/hr; CO – 12.5 lb/hr; VOC (as methane) – 0.83 lb/hr; PM10 – 1.85 lb/hr; or SOx (as SO2) – 0.89 lb/hr. All averages on a per event basis. The project owner shall submit to the CPM and APCO CEM-derived emissions data for NOx and CO (except when source testing is required for startups) and shall provide calculated PM10 and VOC emission from fuel consumption data and source test results to demonstrate compliance with this condition as part of the Quarterly Operation Report (AQ-SC10) | Included in **Attachment 3** are excess emission reports from the CEMS DAHS to demonstrate that the emission limits were not exceeded during the compliance period. |

| Condition | Description of Action | Status / Comments |
|---|---|---|
| AQ-35 | During shutdown, CTG exhaust emission rates shall not exceed any of the following limits: NOx (as NO2) – 1.50 lb/hr; CO – 21.33 lb/hr; VOC (as methane) – 0.83 lb/hr; PM10 – 1.85 lb/hr; or SOx (as SO2) – 0.89 lb/hr. All averages on a per event basis. The project owner shall submit to the CPM and APCO CEM-derived emissions data for NOx and CO (except when source testing is required for shutdowns) and shall provide calculated PM10 and VOC emission from fuel consumption data and source test results to demonstrate compliance with this condition as part of the Quarterly Operation Report (AQ-SC10). | Included in **Attachment 3** are excess emission reports from the CEMS DAHS to demonstrate that the emission limits were not exceeded during the compliance period. 10/3/2024 NOx shutdown exceedance occurred due to equipment breakdown. Detailed in breakdown report included in **Attachment 2** |
| AQ-36 | Startup shall be defined as the period of time during which a unit is brought from a shutdown status to its SCR operating temperature and pressure, including the time required by the unit's emission control system to reach full operations. Shutdown shall be defined as the period of time during which a unit is taken from an operational to a non-operational status as the fuel supply to the unit is completely turned off. The project owner shall submit to the CPM and APCO the CTG startup and shutdown event duration data demonstrating compliance with this condition as part of the Quarterly Operation Report (AQ-SC10). | The CEMS DAHS monitors unit parameters and is programmed to recognize and record the duration of offline, startup, shutdown and normal operating conditions. The CEMS DAHS is programmed to prevent more than 120 minutes of data being flagged as startup or shutdown. |
| AQ-37 | The duration of each startup or shut down time shall not exceed two hours. Startup and shutdown emissions shall be counted toward all applicable emission limits. The project owner shall submit to the CPM and APCO the CTG startup and shutdown event duration data demonstrating compliance with this condition as part of the Quarterly Operation Report (AQ-SC10). | The CEMS DAHS monitors unit parameters and is programmed to recognize and record the duration of offline, startup, shutdown and normal operating conditions. The CEMS DAHS is programmed to prevent more than 120 minutes of data being flagged as startup or shutdown. Included inn **Attachment 6** |
| AQ-38 | The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during startup and shutdown. The project owner shall submit to the CPM and APCO the CTG startup and shutdown emissions data demonstrating compliance with this condition as part of the Quarterly Operation Report (AQ-SC10). | Included in **Attachment 3** are excess emission reports from the CEMS DAHS to demonstrate that the startup and shutdown emission limits were not exceeded during the compliance period. 10/3/2024 NOx shutdown exceedance occurred due to equipment breakdown. Detailed in breakdown report included in **Attachment 2** |
| AQ-39 | Daily emissions from the CTG shall not exceed any of the following limits: NOx (as NO2) – 79.8 lb/day; CO – 117.6 lb/day; VOC – 19.7 lb/day; PM10 – 44.4 lb/day; or SOx (as SO2) – 21.4 lb/day. The project owner shall submit to the CPM and APCO CTG emissions data demonstrating compliance with this condition as part of the Quarterly Operation Report (AQ-SC10). | Included in **Attachment 3** are excess emission reports from the CEMS DAHS to demonstrate that the daily emission limits were not exceeded during the compliance period. |
| AQ-40 | Combined daily emissions from the two Swift Pac unit CTG's operating under permit units C-7286-1 and C-7286-2, and the two Swift Pac unit CTG's operating under permit units C-7286-3 and C-7286 shall not exceed any of the following Swift Pac two turbine limits: NOx (as NO2) – 159.6 lb/day; CO – 235.2 lb/day; VOC – 39.4 lb/day; PM10 – 88.8 lb/day; or SOx (as SO2) – 42.8 lb/day. The project owner shall submit to the CPM and APCO CTG emissions data demonstrating compliance with this condition as part of the Quarterly Operation Report (AQ-SC10). | Included in **Attachment 3** are excess emission reports from the CEMS DAHS to demonstrate that the daily emission limits were not exceeded during the compliance period. |
| AQ-41 | Quarterly hours of operation of each CTG shall not exceed any of the following limits: 1st Quarter—800 hours, 2nd Quarter—800 hours, 3rd Quarter—1,400 hours, or 4th Quarter—1,000 hours. The project owner shall submit to the CPM and APCO CTG operations data demonstrating compliance with this condition as part of the Quarterly Operation Report (AQ-SC10). | Included in **Attachment 4** is a summary of operating time for each unit that demonstrates all CTGs operated less than the allowable limit during the reporting period. |
| AQ-42 | Annual emissions from each CTG, calculated on a twelve month rolling basis, shall not exceed any of the following limits: NOx (as NO2) – 12,736 lb/year; CO – 18,826 lb/year; VOC – 3,281 lb/year; PM10 – 7,400 lb/year; or SOx (as SO2) – 3,560 lb/year. The project owner shall submit to the CPM and APCO CTG emissions data demonstrating compliance with this condition as part of the Quarterly Operation Report (AQ-SC10). | Included in **Attachment 5** is a summary of monthly emissions from each turbine over the latest twelve months. |
| AQ-43 | Combined annual emissions from the two Swift Pac unit CTG's operating under permit units C-7286-1 and C-7286-2, and the two Swift Pac unit CTG's operating under permit units C-7286-3 and C-7286 calculated on a twelve consecutive month rolling basis, shall not exceed any of the following Swift Pac two turbine limits: NOx (as NO2) – 25,742 lb/year; CO – 37,652 lb/year; VOC – 6,562 lb/year; PM10 – 14,800 lb/year; or SOx (as SO2) – 7,120 lb/year. The project owner shall submit to the CPM and APCO CTG emissions data demonstrating compliance with this condition as part of the Quarterly Operation Report (AQ-SC10). | Included in **Attachment 5** is a summary of monthly emissions from each turbine over the latest twelve months. |
| AQ-44 | Combined annual NOX from CTG's operating under permits C-7286-1, -2, -3, and -4 shall not exceed 50,000 lb/year. The project owner shall compile required emission compliance data using these standards and shall submit the information to the CPM and the APCO as part of the Quarterly Operation Report (AQ-SC10). | Included in **Attachment 5** is a summary of monthly emissions from each turbine over the latest twelve months. |

| Condition | Description of Action | Status / Comments |
|---|---|---|
| AQ-45 | Each one hour period shall commence on the hour. Each one hour period in a three hour rolling average will commence on the hour. The three hour average will be compiled from the three most recent one hour periods. Each one hour period in a twenty-four hour average for ammonia slip will commence on the hour. | The CEMS DAHS is programmed to record and report emissions data in accordance with these averaging periods. |
| AQ-46 | Daily emissions will be compiled for a twenty-four hour period starting and ending at twelve-midnight. Each month in the twelve consecutive month rolling average emissions shall commence at the beginning of the first day of the month. The twelve consecutive month rolling average emissions to determine compliance with annual emissions limitations shall be compiled from the twelve most recent calendar months. | The CEMS DAHS is programmed to record and report emissions data in accordance with these averaging periods. |
| AQ-52 | The sulfur content of each fuel source shall be: (i) documented in a valid purchase contract, a supplier certification, a tariff sheet or transportation contract ....The result of the natural gas fuel sulfur monitoring data and other fuel sulfur content source data shall be submitted to the CPM and the APCO in the Quarterly Operation Report (AQ-SC10). | The CTGs are supplied with PUC-regulated natural gas with less than 1.0 gr/100 dscf in accordance with PG&E Gas Rule No. 21 (tariff sheet). Included in **Attachment 1** is data published by PG&E to meet this requirement. |
| AQ-54 | Fuel sulfur content shall be monitored using one of the following methods: ASTM Methods D1072, D3246, D4084, D4468, D4810, D6228, D6667 or Gas Processors Association Standard 2377. The fuel sulfur content data shall be submitted to the CPM and the APCO in the Quarterly Operation Report (AQ-SC10). | The CTGs are supplied with PUC-regulated natural gas with less than 1.0 gr/100 dscf in accordance with PG&E Gas Rule No. 21 (tariff sheet). Included in **Attachment 1** is data published by PG&E to meet this requirement. |
| AQ-59 | The CEMS shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period or shall meet equivalent specifications established by mutual agreement of the District, the ARB and the EPA. The project owner shall submit to the CPM and APCO CEMS audits demonstrating compliance with this condition as part of the Quarterly Operation Report (AQ-SC10). | The CEMS is designed and programmed to sample, analyze and record emissions data in accordance with these requirements. Any period of downtime from meeting this requirement is reported in the Quarterly CEMS Excess Emission and Downtime Summary report submitted to the APCO. A copy of the report for this reporting period is included in **Attachment 2**. |
| AQ-60 | The NOx, CO and O2 CEMS shall meet the requirements in 40 CFR 60, Attachment F Procedure 1 and Part 60, Attachment B Performance Specification 2 (PS 2), or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. The project owner shall submit to the CPM and APCO CEMS audits demonstrating compliance with this condition as part of the Quarterly Operation Report (AQ-SC10). | CEMS are used to demonstrate compliance with NOx and CO; all emissions were within permitted emission limits unless specifically noted in **Attachment 2**, which includes a copy of the Quarterly CEMS Excess Emission and Downtime Summary report submitted to the APCO for the reporting period. Source tests are conducted every 12 or 24 months to demonstrate compliance with PM10 and VOC and the source test reports are submitted to the CMP and APCO within 60-days of completing the test; refer to AQ-50 for more information. Ongoing monitoring for SOx is not required by the permit. |
| AQ-61 | Audits of continuous emission monitors shall be conducted as specified by 40 CFR Parts 60 (CO analyzer) and 75 (NOx and O2 analyzers) at least once every QA operating quarter. The project owner shall submit to the CPM and APCO the CEMS audits demonstrating compliance with this condition as part of the Quarterly Operation Report (AQ-SC10). | Copies of audits performed on the CEMS during this compliance period are included in the Quarterly CEMS Excess Emission and Downtime Summary report included in Attachment 2. |
| AQ-62 | The owner/operator shall perform a relative accuracy test audit (RATA) for the NOx, CO and O2 CEMS at least once every two Quality Assurance (QA) operating quarters, this frequency may be reduced to once every four QA quarters if the incentive criteria of 40 CFR 75 are met. A calendar quarter that does not qualify as a QA operating quarter shall be excluded in determining the deadline for the next RATA. No more than eight successive calendar quarters shall elapse after the quarter in which a RATA was last performed without a subsequent RATA having been conducted. The project owner shall submit to the CPM and APCO CEMS audits demonstrating compliance with this condition as part of the Quarterly Operation Report (AQ-SC10). | The most recent RATA test was performed in **April 2023**; a copy of the RATA report is submitted to the CPM and APCO in accordance with AQ-58. The CEMS performance met the incentive criteria of 40 CFR 75, and the units have not operated four QA operating quarters since the latest test (Q2 2023). |
| AQ-64 | Results of the CEM system shall be averaged over a one hour period for NOx emissions and a three hour period for CO emissions using consecutive 15-minute sampling periods in accordance with all applicable requirements of CFR 60.13. | The CEMS DAHS is programmed to record and report emissions data in accordance with these averaging periods. |
| AQ-65 | Excess emissions shall be defined as any operating hour in which the 1-hour NOx concentration exceeds applicable emissions limit and a period of monitor downtime shall be any unit operating hour in which sufficient data are not obtained to validate the hour for either NOx or O2 (or both). The project owner shall submit to the CPM and APCO emission data and monitor downtime data in the Quarterly Operation Reports (AQ-SC10) that follows the definitions of this condition. | CEMS is used to demonstrate compliance; all emissions were within the permitted emission limits unless specifically noted in **Attachment 2**, which includes a copy of the Quarterly CEMS Excess Emission and Downtime Summary report submitted to the APCO for the reporting period. |
| AQ-66 | Results of continuous emissions monitoring shall be reduced according to the procedures established in 40 CFR, Part 51, Attachment P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. | The CEMS DAHS is programmed to record and report emissions data in accordance with these averaging periods. |

| Condition | Description of Action | Status / Comments |
|---|---|---|
| AQ-70 | The owner or operator shall submit a written report of CEM operations for each calendar quarter to the APCO. The report is due on the 30th day following the end of the calendar quarter. The project owner shall submit to the CPM and APCO the CEMS audits demonstrating compliance with this condition as part of the Quarterly Operation Report required by this condition and condition AQ-SC10. | A copy of the Quarterly CEMS Excess Emission and Downtime Summary report submitted to the APCO for the reporting period is included in **Attachment 2**. |
| AQ-72 | Notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. Submit written copies of these notification reports to the CPM and the APCO as part of the Quarterly Operation Report. | Breakdown notifications, if applicable during this reporting period are contained in **Attachment 2**. |
| AQ-73 | The District shall be notified in writing within ten days following the correction of any breakdown condition. Submit written copies of these notification reports to as part of the Quarterly Operation Report. | Breakdown notifications, if applicable during this reporting period are contained in **Attachment 2**. |
| AQ-77 | Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021. Document compliance with Rule 8021 in the Quarterly Operation Report. | There were no activities conducted during the quarter that would have triggered the requirements of this Rule. |
| AQ-79 | Prevent or cleanup any carryout or track out in accordance with the requirements of District Rule 8041. Document compliance with Rule 8041 in the Quarterly Operation Report. | There were no activities conducted during the quarter that would have triggered the requirements of this Rule. |
| AQ-80 | Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051. Document compliance with Rule 8051 in the Quarterly Operation Report. | There were no activities conducted during the quarter that would have triggered the requirements of this Rule. |
| AQ-81 | Any paved road or unpaved road shall comply with the requirements of District Rule 8061 or Rule 8011. Document compliance with Rule 8061 in the Quarterly Operation Report. | There were no activities conducted during the quarter that would have triggered the requirements of this Rule. |
| AQ-82 | Water, gravel, road mix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure shall be applied to unpaved vehicle travel areas as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road (District Rule 8071). Document compliance with Rule 8071 in the Quarterly Operation Report. | There were no activities conducted during the quarter that would have triggered the requirements of this Rule. |
| AQ-83 | Where dusting materials are allowed to accumulate on paved surfaces, the accumulation shall be removed daily or water and/or chemical/organic dust stabilizers/suppressants shall be applied to the paved surface as required to maintain continuous compliance with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011 and limit Visible Dust Emissions (VDE) to 20% opacity. Document compliance with Rule 8071 in the Quarterly Operation Report. | There were no activities conducted during the quarter that would have triggered the requirements of this Rule. |
| AQ-84 | On each day that 50 or more Vehicle Daily Trips or 25 or more Vehicle Daily Trips with 3 axles or more will occur on an unpaved vehicle/equipment traffic area, the project owner shall apply water, gravel, road mix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure as required to limit Visible Dust Emissions to 20% opacity. Document compliance with Rule 8071 in the Quarterly Operation Report. | There were no activities conducted during the quarter that would have triggered the requirements of this Rule. |
| AQ-85 | Whenever any portion of the site becomes inactive, the project owner shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in Section 3.58 of District Rule 8011. Document compliance with Rule 8011 in the Quarterly Operation Report. | There were no activities conducted during the quarter that would have triggered the requirements of this Rule. |
| AQ-86 | Records and other supporting documentation shall be maintained as required to demonstrate compliance with the requirements of the rules under Regulation VIII only for those days that a control measure was implemented. Document compliance with Regulation VIII in the Quarterly Operation Report. | There were no activities conducted during the quarter that would have triggered the requirements of this Rule. |
| AQ-SC8 | Demonstrate that the actual annual SO2 emissions remain below the 2.28 tons of emissions that have been offset by complying with this condition. | Included in **Attachment 5** is a summary of monthly and annual emissions from each turbine over the latest twelve months. |
| AQ-SC10 | The project owner shall submit the Quarterly Operation Reports to the CPM and APCO no later than 30 days following the end of each calendar quarter that include operational and emissions information as necessary to demonstrate compliance with the Conditions of Certification. | This report demonstrates compliance with this requirement. |

# Attachment 1

## Natural Gas Sulfur Content

# Gas System Sulfur Survey Results



**Note:** Starting Q4 2022, we began breaking sulfur data down monthly. Data will still be updated on a quarterly basis just with additional granularity.



## 2021 - 2024

### 2024

| Date | Total Sulfur Maximum | | Total Sulfur Average all sites | |
|---|---|---|---|---|
| | PPMv | gr/100 scf | PPMv | gr/100 scf |
| **2024** | | | | |
| Fourth Quarter | 3.9 | 0.23 | 2.7 | 0.16 |
| Fourth Quarter - October | 3.7 | 0.22 | 2.7 | 0.16 |
| Fourth Quarter - November | 3.7 | 0.22 | 2.7 | 0.16 |
| Fourth Quarter - December | 3.9 | 0.23 | 2.9 | 0.17 |
| Third Quarter | 4.3 | 0.25 | 2.8 | 0.17 |
| Third Quarter - July | 4.2 | 0.25 | 2.8 | 0.17 |
| Third Quarter - August | 4.3 | 0.25 | 2.9 | 0.17 |
| Third Quarter - September | 4.1 | 0.24 | 3.0 | 0.18 |
| Second Quarter | 4.1 | 0.24 | 2.7 | 0.16 |
| Second Quarter - April | 3.6 | 0.21 | 2.7 | 0.16 |
| Second Quarter - May | 4.0 | 0.24 | 2.8 | 0.16 |
| Second Quarter - June | 4.1 | 0.24 | 3.0 | 0.17 |
| First Quarter | 3.8 | 0.23 | 2.9 | 0.17 |

| | | | | |
|---|---|---|---|---|
| First Quarter - January | 3.8 | 0.23 | 3.0 | 0.18 |
| First Quarter - February | 3.8 | 0.23 | 3.0 | 0.18 |
| First Quarter - March | 3.5 | 0.21 | 2.6 | 0.15 |

## 2023

# Attachment 2

## Quarterly CEMS Excess Emissions & Downtime Report

4350 Executive Drive
Suite320
San Diego, CA 92121
619-756-5795

January 23, 2025

San Joaquin Valley Air Pollution Control District
Central Region
Attn.: Preet Bath
1990 East Gettysburg Ave.
Fresno, CA 93726

Subject**: Quarterly CEMS Report – 4th Quarter 2024**

Dear Ms. Bath:

Pursuant to Condition 45 of Permit to Operate (PTO) Nos. C-7286-1-4, C-7286-2-4, C-7286-3-4, and C-7286-4-4, Midway Peaking, LLC hereby submits the Quarterly CEMS Excess Emission and Downtime Summary Report for the fourth quarter of 2024.

If you have any questions regarding any of the information provided in this submittal, or require additional information, please contact Tony Gilmore, Compliance Manager at 619-756-5795.

Sincerely,

Claude Couvillion
Senior Vice President of Operations and Development
Midway Peaking, LLC

cc

- Kathy Hurstr, Director of EHS, Middle River Power (e copy)
- Ramiro Gonzalez, Plant Manager, CalPeak Power, LLC (e copy)
- Taylor Leach, Environmental Specialist, NAES (e copy)

# San Joaquin Valley
# Unified Air Pollution Control District

## Certification of Truth and Accuracy

| Company Name: Midway Peaking,LLC | Facility ID: C - 7286 |
|---|---|

I declare, under penalty of perjury under the laws of the state of California that based on information and belief formed after reasonable inquiry, the statements and information provided in the document are true, accurate, and complete:

Signature of Responsible Official

1/23/2025

Date

Claude Couvillion

Name of Responsible Official (please print)

Senior Vice President of Operations and Development

Title of Responsible Official (please print)

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

☐ Northern Region ☒ Central Region ☐ Southern Region

## QUARTERLY CEMS EXCESS EMISSION AND DOWNTIME SUMMARY

1st ☐ JAN - MAR 20___ 3rd ☐ JUL - SEPT 20___

2nd ☐ APR - JUN 20___ 4th ☒ OCT - DEC 2024

Facility Name: Midway Peaking, LLC Permit #: **C-7286-1-4 & 2-4 (Midway 1)**

Location: 43627 West Panoche Rd. City: Firebaugh

AIRS #: _____ NSPS Source?: ☒ Yes ☐ No

Process Equipment Description: 60 MW, simple cycle gas turbine, peaking unit, 611 MMBtu/hr

Pollutants Monitored: ☒ $NO_X$ ☐ $SO_X$ ☒ CO ☐ Opacity ☒ $O_2$ ☐ $CO_2$ ☐ $NH_3$
☐ Other: _____

Total Hours Process Equipment Operated During Quarter: 57

**CEM Unit Information**

| Pollutant | Manufacturer / Model | Serial # | Date Installed | Total Hours CEMS Operated During Qtr |
|---|---|---|---|---|
| $NO_X$ | TAPI 200EM | 374 | Q2 2009 | 75 |
| $SO_X$ | | | | |
| CO | TAPI 300E | 1892 | Q2 2009 | 75 |
| Opacity | | | | |
| $O_2$ | TAPI 300E | 1892 | Q2 2009 | 75 |
| $CO_2$ | | | | |
| $NH_3$ | | | | |
| Other | | | | |
| | | | | |
| | | | | |

**Date of Last Performance Specification Test**

| Pollutant | $NO_X$ | $SO_X$ | CO | Opacity | $O_2$ | $CO_2$ | $NH_3$ | Other |
|---|---|---|---|---|---|---|---|---|
| Date | 10/17/24 | | 10/17/24 | | 10/17/24 | | | |
| Type | ☐ RATA | ☐ RATA | ☐ RATA | ☐ RATA | ☐ RATA | ☐ RATA | ☐ RATA | ☐ RATA |
| | ☒ CGA | ☐ CGA | ☒ CGA | ☐ CGA | ☒ CGA | ☐ CGA | ☐ CGA | ☐ CGA |
| | ☐ Linearity | ☐ Linearity | ☐ Linearity | ☐ Linearity | ☐ Linearity | ☐ Linearity | ☐ Linearity | ☐ Linearity |

| Emission Limits (From Operating Permits) | | | | | | |
|---|---|---|---|---|---|---|
| Pollutant | ppm @ $O_2$% | lb/MMBtu | lb/hr[1] | lb/day[1] | lbs/yr [1] | NSPS (Subpart KKKK) |
| $NO_X$ | 2.5 | N/A | 2.8/5.6 | 79.8 / 159.6 | 12,736 / 25,742 | 25 |
| $SO_X$ | | | | | | |
| CO | 6.0 | N/A | 4.19/8.38 | 117.6 / 235.2 | 18,826 / 37,652 | N/A |
| Opacity | | | | | | |
| $O_2$ | | | | | | |
| $CO_2$ | | | | | | |
| $NH_3$ | | | | | | |
| Other | | | | | | |

Note 1: Midway Unit 1 has a mass emission limit that applies to a single engine, and a mass emission limit that applies when two engines are in operation, presented above as “one engine / two engines”.

| Excess Emissions Information (Report in Hours) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Pollutant | Start-Up / Shutdown | Process Problems | Breakdown | Other Known | Other Unknown | Total Hrs Excess | Total Op Hrs for Qtr | % Excess |
| $NO_X$ | 0 | 0 | 1 | 0 | 0 | 1 | 75 | 1.3 |
| $SO_X$ | | | | | | | | |
| CO | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 0 |
| Opacity | | | | | | | | |
| $O_2$ | | | | | | | | |
| $CO_2$ | | | | | | | | |
| $NH_3$ | | | | | | | | |
| Other | | | | | | | | |

Include a summary of all dates, times, and excess emissions that occurred during the reporting period or submit copies of all related breakdown reports and Title V deviations.

Excess emissions caused by a startup after shutdown due to a malfunction should be reported as an excess emission due to an equipment breakdown. The source is not however, exempt from emission limits. All exceedances are to be reported in whole hour increments.

| CEM Downtime Information (Report in Hours) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Pollutant | Monitor Malfunction | Non-Monitor Malfunction | Q/A - Cal | Other | Unknown | Total Hrs Downtime | Total Hrs | % Downtime |
| $NO_X$ | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 0 |
| $SO_X$ | | | | | | | | |
| CO | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 0 |
| Opacity | | | | | | | | |
| $O_2$ | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 0 |
| $CO_2$ | | | | | | | | |
| $NH_3$ | | | | | | | | |
| Other | | | | | | | | |

Include a summary of all downtime dates, times, duration, and activities that occurred during the reporting period or submit copies of all related breakdown reports and Title V deviations.

Non-CEM malfunctions are incidents that result in the CEM system being down but are not associated with a malfunction of the CEM system, i.e. plant power failure.

# 1 Midway NOx/H Linearity

Calpeak

## Test Information

| | |
|---|---|
| **Test Date** | **10/17/2024** |
| Test Reason | |
| Grace Period | No |
| Aborted | No |
| **Result** | **Passed** |

*Unit offline during QA test -- Not valid for 40CFR75*

## Analyzer and Monitor Information

| | |
|---|---|
| Range | High |
| Instrument Span | 250 ppm |
| Component ID | 110 |
| Manufacturer | TELEDYNE |
| Model | M200EM |
| Serial Number | 374 |

| Run | Time | Reference Gas | CEMS Response | | Cylinder Information |
|---|---|---|---|---|---|
| **Low Gas** | | | | | |
| 1 | 11:06 AM | 57.00 | 55.66 | | Allowable Reference Values: 50-75 ppm (20-30% of span) |
| 2 | 11:18 AM | 57.00 | 59.84 | | |
| 3 | 11:31 AM | 57.00 | 59.93 | | Cylinder ID: CC755708 |
| Mean (ppm) | | 57.00 | 58.48 | | Expiration Date: 11/29/2030 |
| Difference of means ( \|R-A\| ) (ppm) | | 1.5 | *Limit 5* | *Passed* | EPA Vendor ID: W12022 |
| Linearity Error (%) | | 2.6 | *Limit 5.0* | *Passed* | Cylinder contains: CO,NO,NOX,BALN |
| **Mid Gas** | | | | | |
| 1 | 11:10 AM | 141.30 | 139.65 | | Allowable Reference Values: 125-150 ppm (50-60% of span) |
| 2 | 11:23 AM | 141.30 | 141.38 | | |
| 3 | 11:35 AM | 141.30 | 140.14 | | Cylinder ID: CC755707 |
| Mean (ppm) | | 141.30 | 140.39 | | Expiration Date: 11/29/2030 |
| Difference of means ( \|R-A\| ) (ppm) | | 0.9 | *Limit 5* | *Passed* | EPA Vendor ID: W12022 |
| Linearity Error (%) | | 0.6 | *Limit 5.0* | *Passed* | Cylinder contains: CO,NO,NOX,BALN |
| **High Gas** | | | | | |
| 1 | 11:14 AM | 227.00 | 227.09 | | Allowable Reference Values: 200-250 ppm (80-100% of span) |
| 2 | 11:27 AM | 227.00 | 228.63 | | |
| 3 | 11:40 AM | 227.00 | 229.48 | | Cylinder ID: EB0149214 |
| Mean (ppm) | | 227.00 | 228.40 | | Expiration Date: 6/12/2032 |
| Difference of means ( \|R-A\| ) (ppm) | | 1.4 | *Limit 5* | *Passed* | EPA Vendor ID: W12024 |
| Linearity Error (%) | | 0.6 | *Limit 5.0* | *Passed* | Cylinder contains: CO,NO,NOX,BALN |

*Linearity Error (LE) Determination*

*LE (%) = (|R-A| / R) * 100*

*R = Reference gas value*

*A = Mean of actual CEMS responses*

# 1 Midway NOx/L CGA

Calpeak

## Test Information

| | |
|---|---|
| **Test Date** | **10/17/2024** |
| **Result** | **Passed** |

## Analyzer and Monitor Information

| | |
|---|---|
| Range | Low |
| Instrument Span | 10 ppm |
| Manufacturer | TELEDYNE |
| Model | M200EM |
| Serial Number | 374 |

### Low Gas

| Run | Time | Reference Gas | CEMS Response | | Cylinder Information |
|---|---|---|---|---|---|
| 1 | 9:23 AM | 2.560 | 2.415 | | Allowable Reference Values: 2-3 ppm (20-30% of span) |
| 2 | 9:32 AM | 2.560 | 2.471 | | |
| 3 | 9:40 AM | 2.560 | 2.494 | | Cylinder ID: CC760992 |
| | Mean (ppm) | 2.560 | 2.460 | | Expiration Date: 12/3/2025 |
| | Difference of means (Cm-Ca) (ppm) | -0.1 | *Limit 2* | *Passed* | EPA Vendor ID: W12022 |
| | CEMS Accuracy (%) | -3.9 | *Limit 15* | *Passed* | Cylinder contains: BALN,CO,NO,NOX |

### Mid Gas

| Run | Time | Reference Gas | CEMS Response | | Cylinder Information |
|---|---|---|---|---|---|
| 1 | 9:28 AM | 5.420 | 3.985 | | Allowable Reference Values: 5-6 ppm (50-60% of span) |
| 2 | 9:36 AM | 5.420 | 4.027 | | |
| 3 | 9:45 AM | 5.420 | 4.046 | | Cylinder ID: CC754803 |
| | Mean (ppm) | 5.420 | 4.019 | | Expiration Date: 1/17/2026 |
| | Difference of means (Cm-Ca) (ppm) | -1.4 | *Limit 2* | *Passed* | EPA Vendor ID: W12023 |
| | CEMS Accuracy (%) | -25.8 | *Limit 15* | | Cylinder contains: BALN,CO,NO,NOX |

*CEMS Accuracy Determination (%)*

*Accuracy (%) = ((Cm - Ca) / Ca) * 100*

*Ca = Reference gas value*

*Cm = Mean of actual CEMS responses*

# 1 Midway CO/H CGA

Calpeak

## Test Information

| | |
|---|---|
| **Test Date** | **10/17/2024** |
| **Result** | **Passed** |

## Analyzer and Monitor Information

| | |
|---|---|
| Range | High |
| Instrument Span | 1000 ppm |
| Manufacturer | TELEDYNE |
| Model | M300E |
| Serial Number | 1892 |

| Run | Time | Reference Gas | CEMS Response | | Cylinder Information |
|---|---|---|---|---|---|
| **Low Gas** | | | | | |
| 1 | 11:06 AM | 276.600 | 293.292 | | Allowable Reference Values: 200-300 ppm (20-30% of span) |
| 2 | 11:18 AM | 276.600 | 293.137 | | |
| 3 | 11:31 AM | 276.600 | 293.007 | | Cylinder ID: CC755708 |
| | Mean (ppm) | 276.600 | 293.145 | | Expiration Date: 11/29/2030 |
| | Difference of means (Cm-Ca) (ppm) | 16.5 | *Limit 5* | | EPA Vendor ID: W12022 |
| | CEMS Accuracy (%) | 6.0 | *Limit 15* | *Passed* | Cylinder contains: CO,NO,NOX,BALN |
| **Mid Gas** | | | | | |
| 1 | 11:10 AM | 548.000 | 560.685 | | Allowable Reference Values: 500-600 ppm (50-60% of span) |
| 2 | 11:23 AM | 548.000 | 559.158 | | |
| 3 | 11:35 AM | 548.000 | 557.316 | | Cylinder ID: CC755707 |
| | Mean (ppm) | 548.000 | 559.053 | | Expiration Date: 11/29/2030 |
| | Difference of means (Cm-Ca) (ppm) | 11.1 | *Limit 5* | | EPA Vendor ID: W12022 |
| | CEMS Accuracy (%) | 2.0 | *Limit 15* | *Passed* | Cylinder contains: CO,NO,NOX,BALN |

*CEMS Accuracy Determination (%)*

*Accuracy (%) = ((Cm - Ca) / Ca) * 100*

*Ca = Reference gas value*

*Cm = Mean of actual CEMS responses*

# 1 Midway CO/L CGA

Calpeak

## Test Information

| | |
|---|---|
| **Test Date** | **10/17/2024** |
| **Result** | **Passed** |

## Analyzer and Monitor Information

| | |
|---|---|
| Range | Low |
| Instrument Span | 20 ppm |
| Manufacturer | TELEDYNE |
| Model | M300E |
| Serial Number | 1892 |

### Low Gas

| Run | Time | Reference Gas | CEMS Response | | Cylinder Information |
|---|---|---|---|---|---|
| 1 | 9:23 AM | 4.920 | 5.056 | | Allowable Reference Values: 4-6 ppm (20-30% of span) |
| 2 | 9:32 AM | 4.920 | 4.981 | | |
| 3 | 9:40 AM | 4.920 | 4.988 | | Cylinder ID: CC760992 |
| | Mean (ppm) | 4.920 | 5.008 | | Expiration Date: 12/3/2025 |
| | Difference of means (Cm-Ca) (ppm) | 0.1 | *Limit 2* | *Passed* | EPA Vendor ID: W12022 |
| | CEMS Accuracy (%) | 1.8 | *Limit 15* | *Passed* | Cylinder contains: CO,NO,NOX,BALN |

### Mid Gas

| Run | Time | Reference Gas | CEMS Response | | Cylinder Information |
|---|---|---|---|---|---|
| 1 | 9:28 AM | 10.600 | 10.588 | | Allowable Reference Values: 10-12 ppm (50-60% of span) |
| 2 | 9:36 AM | 10.600 | 10.559 | | |
| 3 | 9:45 AM | 10.600 | 10.529 | | Cylinder ID: CC754803 |
| | Mean (ppm) | 10.600 | 10.559 | | Expiration Date: 1/17/2026 |
| | Difference of means (Cm-Ca) (ppm) | 0.0 | *Limit 2* | *Passed* | EPA Vendor ID: W12023 |
| | CEMS Accuracy (%) | -0.4 | *Limit 15* | *Passed* | Cylinder contains: CO,NO,NOX,BALN |

*CEMS Accuracy Determination (%)*

*Accuracy (%) = ((Cm - Ca) / Ca) * 100*

*Ca = Reference gas value*

*Cm = Mean of actual CEMS responses*

# 1 Midway O2 Linearity

Calpeak

## Test Information

| | |
|---|---|
| **Test Date** | **10/17/2024** |
| Test Reason | |
| Grace Period | No |
| Aborted | No |
| **Result** | **Passed** |

*Unit offline during QA test -- Not valid for 40CFR75*

## Analyzer and Monitor Information

| | |
|---|---|
| Range | Single Scale |
| Instrument Span | 21 %O2 |
| Component ID | 120 |
| Manufacturer | TELEDYNE |
| Model | M300E |
| Serial Number | 1892 |

| Run | Time | Reference Gas | CEMS Response | | Cylinder Information |
|---|---|---|---|---|---|
| **Low Gas** | | | | | |
| 1 | 11:58 AM | 5.450 | 5.454 | | |
| 2 | 12:07 PM | 5.450 | 5.470 | | Allowable Reference Values: 4.2-6.3 %O2 (20-30% of span) |
| 3 | 12:16 PM | 5.450 | 5.475 | | |
| Mean (%O2) | | 5.450 | 5.466 | | Cylinder ID: CC460556 |
| Difference of means ( \|R-A\| ) (%O2) | | 0.0 | *Limit 0.5* | *Passed* | Expiration Date: 11/19/2030 |
| Linearity Error (%) | | 0.3 | *Limit 5.0* | *Passed* | EPA Vendor ID: W12022 |
| | | | | | Cylinder contains: O2,BALN |
| **Mid Gas** | | | | | |
| 1 | 12:01 PM | 11.600 | 11.612 | | Allowable Reference Values: 10.5-12.6 %O2 (50-60% of span) |
| 2 | 12:10 PM | 11.600 | 11.636 | | |
| 3 | 12:19 PM | 11.600 | 11.623 | | |
| Mean (%O2) | | 11.600 | 11.624 | | Cylinder ID: CC755982 |
| Difference of means ( \|R-A\| ) (%O2) | | 0.0 | *Limit 0.5* | *Passed* | Expiration Date: 11/19/2030 |
| Linearity Error (%) | | 0.2 | *Limit 5.0* | *Passed* | EPA Vendor ID: W12022 |
| | | | | | Cylinder contains: O2,BALN |
| **High Gas** | | | | | |
| 1 | 12:04 PM | 19.060 | 19.115 | | Allowable Reference Values: 16.8-21 %O2 (80-100% of span) |
| 2 | 12:13 PM | 19.060 | 19.137 | | |
| 3 | 12:22 PM | 19.060 | 19.128 | | |
| Mean (%O2) | | 19.060 | 19.127 | | Cylinder ID: EB0166973 |
| Difference of means ( \|R-A\| ) (%O2) | | 0.1 | *Limit 0.5* | *Passed* | Expiration Date: 6/4/2032 |
| Linearity Error (%) | | 0.3 | *Limit 5.0* | *Passed* | EPA Vendor ID: 12024 |
| | | | | | Cylinder contains: O2,BALN |

*Linearity Error (LE) Determination*

*LE (%) = (|R-A| / R) * 100*

*R = Reference gas value*

*A = Mean of actual CEMS responses*

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx ppm @15% O2 1-Hr

| Reason | Duration |
|---|---|
| Other Known Causes (excess) | 1 hour |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of NOx ppm @15% O2 1-Hr excess emissions | 1 hour |
| Source operating time with excess emissions | 1.3% |

# 1 Midway Excess Emissions

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx ppm @15% O2 1-Hr

| Parameter | Start | End | Duration | Value | Min | Max | Limit | Reason | Action |
|---|---|---|---|---|---|---|---|---|---|
| NOx ppm @15% O2 1-Hr | 10/3/2024 4:00 PM | 4:59 PM | 1 hour | 6.1 | 6.1 | 6.1 | 2.50 | Other Known Causes (excess) | Troubleshoot & Repair |
| Total duration | | | 1 hour | | | | | | |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx ppm @15% O2 4-Hr (Subpart KKKK)

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of NOx ppm @15% O2 4-Hr (Subpart KKKK) excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx ppm @15% O2 4-Hr (Subpart KKKK)

| Parameter | Start | End | Duration | Value | Min | Max | Limit | Reason | Action |
|---|---|---|---|---|---|---|---|---|---|

*There are no excess emissions for this report.*

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx Lb/hr Per S/U

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 11 hours, 12 minutes |
| Duration of NOx Lb/hr Per S/U excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx Lb/hr Per S/U

| Parameter | Start | End | Duration | Value | Min | Max | Limit | Reason | Action |
|---|---|---|---|---|---|---|---|---|---|

*There are no excess emissions for this report.*

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx Lb/hr Per S/D

| Reason | Duration |
|---|---|
| Other Known Causes (excess) | 2 minutes |

| | |
|---|---|
| Source operating time | 3 hours, 43 minutes |
| Duration of NOx Lb/hr Per S/D excess emissions | 2 minutes |
| Source operating time with excess emissions | 0.9% |

# 1 Midway Excess Emissions

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx Lb/hr Per S/D

| Parameter | Start | End | Duration | Value | Min | Max | Limit | Reason | Action |
|---|---|---|---|---|---|---|---|---|---|
| NOx Lb/hr Per S/D | 10/3/2024 4:09 PM | 4:09 PM | 1 minute | 3.61 | 3.61 | 3.61 | 3.00 | Other Known Causes (excess) | Troubleshoot & Repair |
| NOx Lb/hr Per S/D | 10/3/2024 4:34 PM | 4:34 PM | 1 minute | 2.40 | 2.40 | 2.40 | 1.50 | Other Known Causes (excess) | Troubleshoot & Repair |
| Total duration | | | 2 minutes | | | | | | |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: Normal Ops NOx lbs 1-Hr

| Reason | Duration |
|---|---|
| Other Known Causes (excess) | 1 hour |
| Source operating time | 75 hours |
| Duration of Normal Ops NOx lbs 1-Hr excess emissions | 1 hour |
| Source operating time with excess emissions | 1.3% |

# 1 Midway Excess Emissions

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: Normal Ops NOx lbs 1-Hr

| Parameter | Start | End | Duration | Value | Min | Max | Limit | Reason | Action |
|---|---|---|---|---|---|---|---|---|---|
| Normal Ops NOx lbs 1-Hr | 10/3/2024 4:00 PM | 4:59 PM | 1 hour | 7.34 | 7.34 | 7.34 | 5.60 | Other Known Causes (excess) | Troubleshoot & Repair |
| Total duration | | | 1 hour | | | | | | |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx lbs/Day

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of NOx lbs/Day excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx lbs/Day

| Parameter | Start | End | Duration | Value | Min | Max | Limit | Reason | Action |
|---|---|---|---|---|---|---|---|---|---|

*There are no excess emissions for this report.*

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: CO ppm @15% O2 3-Hr Rolling

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of CO ppm @15% O2 3-Hr Rolling excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: CO ppm @15% O2 3-Hr Rolling

| Parameter | Start | End | Duration | Value | Min | Max | Limit | Reason | Action |
|---|---|---|---|---|---|---|---|---|---|

*There are no excess emissions for this report.*

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: CO Lb/hr Per S/U

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 11 hours, 12 minutes |
| Duration of CO Lb/hr Per S/U excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: CO Lb/hr Per S/U

| Parameter | Start | End | Duration | Value | Min | Max | Limit | Reason | Action |
|---|---|---|---|---|---|---|---|---|---|

*There are no excess emissions for this report.*

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: CO Lb/hr Per S/D

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 3 hours, 43 minutes |
| Duration of CO Lb/hr Per S/D excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: CO Lb/hr Per S/D

| Parameter | Start | End | Duration | Value | Min | Max | Limit | Reason | Action |
|---|---|---|---|---|---|---|---|---|---|

*There are no excess emissions for this report.*

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: Normal Ops CO lbs 3-Hr Rolling

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of Normal Ops CO lbs 3-Hr Rolling excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: Normal Ops CO lbs 3-Hr Rolling

| Parameter | Start | End | Duration | Value | Min | Max | Limit | Reason | Action |
|---|---|---|---|---|---|---|---|---|---|

*There are no excess emissions for this report.*

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: CO lbs/Day

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of CO lbs/Day excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: CO lbs/Day

| Parameter | Start | End | Duration | Value | Min | Max | Limit | Reason | Action |
|---|---|---|---|---|---|---|---|---|---|

*There are no excess emissions for this report.*

# 1 Midway CEMS Downtime Summary

Calpeak

CEMS Downtime for 10/1/2024 thru 12/31/2024: NOx ppm @15% O2

| Reason | Duration |
|---|---|
| *There are no CEMS downtimes for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of NOx ppm @15% O2 monitor downtime | 0 |
| Percent monitor downtime | 0.0% |
| Source operating time with valid data | 75 hours |
| Percent monitor availability | 100.0% |

# 1 Midway CEMS Downtime Summary

Calpeak

CEMS Downtime for 10/1/2024 thru 12/31/2024: NOx lbs

| Reason | Duration |
|---|---|
| *There are no CEMS downtimes for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of NOx lbs monitor downtime | 0 |
| Percent monitor downtime | 0.0% |
| Source operating time with valid data | 75 hours |
| Percent monitor availability | 100.0% |

# 1 Midway CEMS Downtime Summary

Calpeak

CEMS Downtime for 10/1/2024 thru 12/31/2024: CO ppm @15% O2

| Reason | Duration |
|---|---|
| *There are no CEMS downtimes for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of CO ppm @15% O2 monitor downtime | 0 |
| Percent monitor downtime | 0.0% |
| Source operating time with valid data | 75 hours |
| Percent monitor availability | 100.0% |

# 1 Midway CEMS Downtime Summary

Calpeak

CEMS Downtime for 10/1/2024 thru 12/31/2024: CO lbs

| Reason | Duration |
|---|---|
| *There are no CEMS downtimes for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of CO lbs monitor downtime | 0 |
| Percent monitor downtime | 0.0% |
| Source operating time with valid data | 75 hours |
| Percent monitor availability | 100.0% |

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October 11, 2024

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1990 East Gettysburg Avenue
Fresno, CA 93726-0244

RE: **Title V – Deviation/Breakdown Report C-2024-10-2**
**Date of Occurrence: 10/3/2024**
**Date of Discovery: 10/3/2024**
**Midway Peaking, LLC**

Dear Ms. Bath:

Pursuant to condition 11 of Permit to Operate (PTO) C-7286-0-3, Midway Peaking, LLC hereby submits the attached Title V Deviation Report, including the associated Certification of Truth and Accuracy.

Midway Peaking is aware that the breakdown notification to the district appears to be three minutes after the allotted one hour notification period. Midway received the initial excess emissions alarm on 10/3/24 at 16:10 CEMS time and due to the ongoing intermittent issue and the remote operations of the plant, the facility was in the process of diagnosing and restoring the unit to prevent additional excess emissions. Throughout this breakdown, the facility made a good faith effort to limit excess emissions and restore the facility to safe and stable operations as quickly as possible. Midway believes this time discrepancy falls within COM Policy 2035 IV.A.1 and should be excused.

Midway Peaking, LLC is committed to safe and environmentally responsible operations. Should you require additional information please contact Tony Gilmore, Compliance Manager at 619-756-5795.

Sincerely,

Claude Couvillion
SVP of Operations and Development
Middle River Power, LLC

4350 Executive Drive
Suite 320
San Diego, CA 92121
619-756-5795

DISTRIBUTION LIST

- Preet Bath, Air Quality Inspector, San Joaquin Valley Air Pollution Control District (e copy)
- Ramiro Gonzalez, Plant Manager, Midway Peaking (e copy)
- Kathy Hurst, Director of EHS, Middle River Power (e copy)
- Taylor Leach, Environmental Specialist, NAES (e copy)

# BREAKDOWN / TITLE V - DEVIATION REPORTING FORM

Check the appropriate box if using this form to submit/report a:

☐ Breakdown Notification (must be reported within 1 hour)

☐ Title V Deviation

☐ Breakdown Follow-up Report

☒ Title V Deviation/Breakdown Follow-up Report

This form can be used to file the initial report of an equipment breakdown, and as the follow-up report for both a breakdown and/or deviation from a Federal Title V permit condition. The required reports must be submitted to the nearest District regional office as follows:

- Breakdown follow-up reports no later than 10 days after returning to compliance
- Deviation reports no later than 10 days after discovery

Company Name: Midway Peaking, LLC Facility ID: **C-7286**

**Breakdown - Initial Notification:**

Reported by: R. Gonzalez Date: 10/03/2024

Reported to: SJVAPCD phone call followed by Email Time: 5:13 PM (CEMS)

## BREAKDOWN / DEVIATION INFORMATION

| | |
|---|---|
| 1. | Permit unit and condition number(s):<br>C-7286-0-3, Condition 5<br>C-7286-1-4, C-7286-2-4, Conditions 8 & 11 |
| 2. | Equipment involved:<br>Midway Unit 1 GTB (C-7286-2) engine exhaust air tempering controls system. |
| 3. | Location of operation:<br>43627 W Panoche Rd, Firebaugh, CA 93622 |

4. Description of permit condition:

C-7286-0-3, Condition 5: The permittee must comply with all conditions of the permit including permit revisions originated by the District.

C-7286-1-4, -2-4 Condition 8: Combined emission rates from the CTG's operating under permit units C-7286-1 and C-7286-2, except during startup and shutdown periods, shall not exceed any of the following limits: **NOx (as NO2)- 5.6 lb/hr** and **2.5 ppmvd@ 15% 02**; CO - 8.38 lb/hr and 6.0 ppmvd @ 15% O2; VOC (as methane) - 1.64 lb/hr and 2.0 ppmvd @ 15% O2; PM10 - 3.70 lb/hr; or SOx (as SO2) - 1.78 lb/hr. NOx (as NO2) emission rates are one hour rolling averages. All other emission rates are three hour rolling averages.

C-7286-1-4, -2-4 Condition 11: During **shutdown**, CTG exhaust emission rates shall not exceed any of the following limits: **NOx (as NO2) - 1.50 lb/hr;** CO- 21.33 lb/hr; VOC (as methane)- 0.83 lb/hr; PM10- 1.85 lb/hr; or SOx (as SO2)- 0.89 lb/hr, based on a per event average.

5. Date, time, and duration of breakdown/deviation:

Deviation Periods:

- 10/03/2024 1600 – 1659 (1hr)
- 10/03/2024 1605 – 1609 (4-minute shutdown period)
- 10/03/2024 1628 – 1633 (6-minute shutdown period)

Breakdown Period: Based on a review of CEMS minute data, symptoms of the issue began on 10/03/2024 at 16:05. The breakdown condition was resolved on 10/03/2024 at 16:45.

[Note: All time periods in this report are in CEMS time]

6. Description of breakdown/deviation (include excess and visible emissions, if applicable):

Gas turbine B experienced a failure in the bleed air control system causing excess emissions.

Normal operation excess emissions:

- NOx ppm @15% O2 1-Hr:
  - 10/03/2024 4:00 PM - 4:59 PM (CEMS): 6.1 ppm @ 15% O2 (Permit limit is 2.5 ppm @ 15% O2, 1 hour rolling average)
- NOx lb/hr:
  - 10/03/2024 4:00 PM - 4:59 PM (CEMS): 7.34 lb/hr (Permit limit is 5.6 lb/hr, 1 hour rolling average)

Shutdown excess emissions:

- NOx lb/hr:
  - 10/03/2024 4:05 - 4:08 PM (CEMS): 3.61 lb/hr (Permit limit 3.0 lb/hr, event average two engine operation)
  - 10/03/2024 4:28 - 4:33 PM (CEMS): 2.4 lb/hr (Permit limit 1.5 lb/hr, event average)

7. Date and time when breakdown/deviation was discovered:

10/03/2024 at 16:10 hours (CEMS time)

8. Date and time compliance was achieved:

   10/03/2024 at 17:00, after shutting down and interim repairs completed and GTB restarted.

9. Probable cause of breakdown/deviation:

   During the initial stages of the dispatch of Midway 1 on 10/3/2024, the turbine 'B' (GTB) damper failed causing two load reduction (driveback) events during the start process. These drivebacks are flagged as shutdown events based on fuel flow and MW load.

   Event investigation determined that Gas Turbine B (GTB) pantleg damper drive actuator positioner was the failed component (see attached photos). This piece of equipment controls a large damper that allows cooling air supplied from (tempering) air fans to be introduced into the hot exhaust stream. This process controls the turbine exhaust to a design temperature acceptable to the Selective Catalyst Reduction (SCR) NOx emission control component.

   The SCR NOx catalyst is rated up to an 850 degrees temperature. Temperatures higher than the 850 deg rating can potentially have negative effects on the NOx catalyst and SCR life. The SCR system has protection designed and employed in the Gas Turbine operating software to prevent SCR over-temperature conditions. The Gas Turbine controls will reduce turbine load (driveback) by reducing fuel to the turbine and shedding generator load to compensate for the high temperature. The control system will react to the (driveback) and attempt to return to a loaded condition when the temperature parameter allows. This resulted in the cycling of the protection system allowing the turbine and generator to resume load and subsequent rise in temperature and driveback again.

   The Midway operators noted this trend and the associated alarms and took appropriate action. After confirmation with an onsite technician and with no option to make repairs on the operating unit, the unit was shut down to prevent further potential exceedance. Once the engine was shut down, the site technician manually opened the damper and locked it in a stationary position. GTB restarted and completed operation with no further emission issues.

10. Measures taken to correct this occurrence and prevent recurrence:

    To following steps were implemented to investigate the cause and to prevent a recurrence:

    - Conducted an inspection and determined the source temp and driveback alarm, which was a pantleg damper drive actuator positioner assembly.
    - The failed positioner was replaced and function checked. Operation was restored.

    The damper assembly also inspected and found functionally operational.

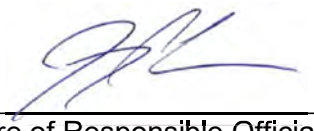
- Attach photographs of defective equipment.

- Provide any additional information necessary to establish that this occurrence was the result of an unavoidable failure or malfunction; Rule 1100 – *Equipment Breakdown* assigns the burden of proof to the source owner/operator seeking relief.

  ***See attached CEMS Emissions and Operating Data***

**CERTIFICATION:**

I declare, under penalty of perjury under the laws of the state of California, that based on information and belief formed after reasonable inquiry, all information provided in this report is true, accurate, and addresses all deviations that resulted from this event:



| | |
|---|---|
| Signature of Responsible Official<br>*(Responsible Official only required for Title V Permit Holders)* | 10/11/2024<br>Date |
| Claude Couvillion<br>Name of Responsible Official | 760-912-3007<br>Telephone |
| SVP of Operations and Development<br>Title of Responsible Official | jcouvillion@mrpgenco.com<br>Email |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/3/2024: NOx ppm @15% O2 1-Hr

| Reason | Duration |
|---|---|
| Other Known Causes (excess) | 1 hour |

| | |
|---|---|
| Source operating time | 5 hours |
| Duration of NOx ppm @15% O2 1-Hr excess emissions | 1 hour |
| Source operating time with excess emissions | 20.0% |

# 1 Midway Excess Emissions

Calpeak

Excess Emissions for 10/3/2024: NOx ppm @15% O2 1-Hr

| Parameter | Start | End | Duration | Value | Min | Max | Limit | Reason | Action |
|---|---|---|---|---|---|---|---|---|---|
| NOx ppm @15% O2 1-Hr | 10/3/2024 4:00 PM | 4:59 PM | 1 hour | 6.1 | 6.1 | 6.1 | 2.50 | Other Known Causes (excess) | Troubleshoot & Repair |
| Total duration | | | 1 hour | | | | | | |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/3/2024: NOx Lb/hr Per S/D

| Reason | Duration |
|---|---|
| Other Known Causes (excess) | 2 minutes |

| | |
|---|---|
| Source operating time | 24 minutes |
| Duration of NOx Lb/hr Per S/D excess emissions | 2 minutes |
| Source operating time with excess emissions | 8.3% |

# 1 Midway Excess Emissions

Calpeak

Excess Emissions for 10/3/2024: NOx Lb/hr Per S/D

| Parameter | Start | End | Duration | Value | Min | Max | Limit | Reason | Action |
|---|---|---|---|---|---|---|---|---|---|
| NOx Lb/hr Per S/D | 10/3/2024 4:09 PM | 4:09 PM | 1 minute | 3.61 | 3.61 | 3.61 | 3.00 | Other Known Causes (excess) | Troubleshoot & Repair |
| NOx Lb/hr Per S/D | 10/3/2024 4:34 PM | 4:34 PM | 1 minute | 2.40 | 2.40 | 2.40 | 1.50 | Other Known Causes (excess) | Troubleshoot & Repair |
| Total duration | | | 2 minutes | | | | | | |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/3/2024: Normal Ops NOx lbs 1-Hr

| Reason | Duration |
|---|---|
| Other Known Causes (excess) | 1 hour |
| Source operating time | 5 hours |
| Duration of Normal Ops NOx lbs 1-Hr excess emissions | 1 hour |
| Source operating time with excess emissions | 20.0% |

# 1 Midway Excess Emissions

Calpeak

Excess Emissions for 10/3/2024: Normal Ops NOx lbs 1-Hr

| Parameter | Start | End | Duration | Value | Min | Max | Limit | Reason | Action |
|---|---|---|---|---|---|---|---|---|---|
| Normal Ops NOx lbs 1-Hr | 10/3/2024 4:00 PM | 4:59 PM | 1 hour | 7.34 | 7.34 | 7.34 | 5.60 | Other Known Causes (excess) | Troubleshoot & Repair |
| Total duration | | | 1 hour | | | | | | |

# Calpeak

California

## Midway 1- Hourly Emissions Report

October 3, 2024 - Hour 15

**Emission Limits**

| *1-Hr* | *3-Hr Rolling* | *24-Hr Rolling* |
|---|---|---|
| NOx ppm @15% O2 - 2.5 | CO ppm @15% O2 - 6 | NH3 Slip ppm @15% O2 - 10 |
| NOx lbs - 2.8 | CO lbs - 4.19 | NH3 Slip lbs - ERR |

| Minute | O2% | NOx ppm | NOx ppm @15% O2 | NOx lb/mmBtu | NOx lb/hr | CO ppm | CO ppm @15% O2 | CO lb/mmBtu | CO lb/hr | NH3 Slip ppm @15% O2 | NH3 Slip lb/hr | Process Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 01 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 02 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 03 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 04 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 05 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 06 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 07 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 08 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 09 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 10 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 11 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 12 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 13 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 14 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 15 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 16 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 17 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 18 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 19 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 20 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 21 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 22 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 23 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 24 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 25 | 20.86 | 0.00 | 0.00 | 0.0000 | 0.00 | 0.16 | 0.50 | 0.0011 | 0.04 | **Down** | **Down** | Startup |
| 26 | 19.36 | 0.33 | 1.02 | 0.0037 | 0.27 | 23.70 | 73.59 | 0.1636 | 12.04 | **Down** | **Down** | Startup |
| 27 | 18.23 | 9.86 | 21.79 | 0.0795 | 5.10 | 15.05 | 33.26 | 0.0739 | 4.74 | **Down** | **Down** | Startup |
| 28 | 18.47 | 7.28 | 17.68 | 0.0645 | 6.71 | 1.86 | 4.52 | 0.0100 | 1.04 | **Down** | **Down** | Startup |
| 29 | 17.21 | 4.44 | 7.10 | 0.0259 | 5.97 | 1.17 | 1.87 | 0.0042 | 0.96 | **Down** | **Down** | Startup |

| Minute | O2% | NOx ppm | NOx ppm @15% O2 | NOx lb/mmBtu | NOx lb/hr | CO ppm | CO ppm @15% O2 | CO lb/mmBtu | CO lb/hr | NH3 Slip ppm @15% O2 | NH3 Slip lb/hr | Process Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 16.42 | 6.26 | 8.24 | 0.0301 | 9.72 | 1.41 | 1.86 | 0.0041 | 1.32 | **Down** | **Down** | Startup |
| 31 | 15.89 | 12.32 | 14.51 | 0.0530 | 22.09 | 1.33 | 1.57 | 0.0035 | 1.46 | **Down** | **Down** | Startup |
| 32 | 15.16 | 21.96 | 22.57 | 0.0824 | 41.66 | 1.22 | 1.25 | 0.0028 | 1.42 | **Down** | **Down** | Startup |
| 33 | 14.67 | 57.38 | 54.34 | 0.1984 | 111.06 | 1.83 | 1.73 | 0.0039 | 2.18 | **Down** | **Down** | Startup |
| 34 | 14.54 | 35.79 | 33.20 | 0.1212 | 68.38 | 3.16 | 2.93 | 0.0065 | 3.66 | **Down** | **Down** | Startup |
| 35 | 14.50 | 21.20 | 19.54 | 0.0714 | 40.20 | 4.68 | 4.31 | 0.0096 | 5.41 | **Down** | **Down** | Startup |
| 36 | 14.51 | 19.39 | 17.90 | 0.0654 | 36.91 | 5.99 | 5.53 | 0.0123 | 6.94 | **Down** | **Down** | Startup |
| 37 | 14.52 | 19.39 | 17.93 | 0.0655 | 36.94 | 6.88 | 6.36 | 0.0141 | 7.95 | **Down** | **Down** | Startup |
| 38 | 14.69 | 19.29 | 18.33 | 0.0669 | 37.77 | 6.91 | 6.57 | 0.0146 | 8.24 | **Down** | **Down** | Startup |
| 39 | 14.99 | 18.89 | 18.86 | 0.0689 | 38.94 | 6.79 | 6.78 | 0.0151 | 8.53 | **Down** | **Down** | Startup |
| 40 | 14.94 | 18.50 | 18.31 | 0.0669 | 37.73 | 6.65 | 6.58 | 0.0146 | 8.23 | **Down** | **Down** | Startup |
| 41 | 15.23 | 19.05 | 19.82 | 0.0724 | 40.70 | 6.11 | 6.36 | 0.0141 | 7.93 | **Down** | **Down** | Startup |
| 42 | 15.27 | 21.09 | 22.10 | 0.0807 | 45.42 | 5.12 | 5.37 | 0.0119 | 6.70 | 9.3 | 7.88 | Startup |
| 43 | 15.47 | 20.00 | 21.73 | 0.0793 | 44.59 | 4.27 | 4.64 | 0.0103 | 5.79 | 20.3 | 18.00 | Startup |
| 44 | 15.33 | 5.68 | 6.02 | 0.0220 | 12.35 | 3.94 | 4.17 | 0.0093 | 5.22 | 9.7 | 8.42 | Startup |
| 45 | 15.07 | 2.76 | 2.79 | 0.0102 | 5.71 | 3.45 | 3.49 | 0.0078 | 4.36 | 7.7 | 6.16 | Startup |
| 46 | 15.24 | 3.09 | 3.22 | 0.0118 | 6.61 | 2.69 | 2.80 | 0.0062 | 3.48 | 9.3 | 7.84 | Startup |
| 47 | 15.30 | 3.18 | 3.35 | 0.0122 | 6.83 | 2.17 | 2.29 | 0.0051 | 2.86 | 9.3 | 7.85 | Startup |
| 48 | 15.33 | 2.97 | 3.15 | 0.0115 | 6.46 | 2.14 | 2.27 | 0.0050 | 2.81 | 10.6 | 8.98 | Startup |
| 49 | 15.29 | 2.65 | 2.79 | 0.0102 | 5.72 | 2.25 | 2.37 | 0.0053 | 2.97 | 10.3 | 8.41 | Startup |
| 50 | 15.33 | 2.43 | 2.57 | 0.0094 | 5.05 | 2.38 | 2.52 | 0.0056 | 3.01 | 11.2 | 9.14 | Startup |
| 51 | 15.53 | 2.39 | 2.63 | 0.0096 | 4.92 | 2.43 | 2.67 | 0.0059 | 3.03 | 11.5 | 9.75 | Startup |
| 52 | 15.57 | 2.24 | 2.48 | 0.0091 | 4.67 | 2.43 | 2.69 | 0.0060 | 3.07 | 11.1 | 9.23 | Startup |
| 53 | 15.49 | 1.97 | 2.15 | 0.0078 | 4.00 | 2.44 | 2.66 | 0.0059 | 3.03 | 11.3 | 9.23 | Startup |
| 54 | 15.41 | 1.90 | 2.04 | 0.0075 | 3.84 | 2.45 | 2.63 | 0.0059 | 3.03 | 11.5 | 9.22 | Startup |
| 55 | 15.46 | 1.93 | 2.09 | 0.0076 | 3.90 | 2.49 | 2.70 | 0.0060 | 3.08 | 10.9 | 8.72 | Startup |
| 56 | 15.44 | 1.84 | 1.99 | 0.0073 | 3.74 | 2.61 | 2.82 | 0.0063 | 3.23 | 10.4 | 8.21 | Startup |
| 57 | 15.43 | 1.78 | 1.92 | 0.0070 | 3.59 | 2.73 | 2.94 | 0.0065 | 3.34 | 9.9 | 8.21 | Startup |
| 58 | 15.44 | 1.84 | 1.99 | 0.0073 | 3.74 | 2.75 | 2.97 | 0.0066 | 3.38 | 9.5 | 7.69 | Startup |
| 59 | 15.47 | 1.83 | 1.99 | 0.0073 | 3.74 | 2.74 | 2.98 | 0.0066 | 3.38 | 7.7 | 6.15 | Normal |
| Average | 15.7 | 10.7 | | 0.0415 | | 4.2 | 6.3 | 0.0140 | 4.47 | 3.2 | 8.84 | Startup |
| Total | | | | | | | | | 2.47 | | 5.13 | |
| 3-Hr Rlng | | | | | | | **NSD *** | | **NSD *** | | | |
| 24-Hr Rlng | | | | | | | | | | 0.5 | 0.59 | |

** - Excluding Startup & Shutdown Emissions*

# Calpeak

California

## Midway 1- Hourly Emissions Report

October 3, 2024 - Hour 16

**Emission Limits**

| *1-Hr* | *3-Hr Rolling* | *24-Hr Rolling* |
|---|---|---|
| NOx ppm @15% O2 - 2.5 | CO ppm @15% O2 - 6 | NH3 Slip ppm @15% O2 - 10 |
| NOx lbs - 2.8 | CO lbs - 4.19 | NH3 Slip lbs - ERR |

| Minute | O2% | NOx ppm | NOx ppm @15% O2 | NOx lb/mmBtu | NOx lb/hr | CO ppm | CO ppm @15% O2 | CO lb/mmBtu | CO lb/hr | NH3 Slip ppm @15% O2 | NH3 Slip lb/hr | Process Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 15.43 | 1.84 | 1.98 | 0.0072 | 3.69 | 2.74 | 2.96 | 0.0066 | 3.38 | 8.0 | 6.66 | Normal |
| 01 | 15.46 | 1.93 | 2.09 | 0.0076 | 3.90 | 2.73 | 2.96 | 0.0066 | 3.38 | 7.9 | 6.16 | Normal |
| 02 | 15.45 | 1.96 | 2.12 | 0.0077 | 3.94 | 2.72 | 2.94 | 0.0065 | 3.32 | 8.2 | 6.65 | Normal |
| 03 | 15.46 | 1.95 | 2.11 | 0.0077 | 3.94 | 2.71 | 2.94 | 0.0065 | 3.33 | 8.1 | 6.65 | Normal |
| 04 | 15.47 | 1.94 | 2.11 | 0.0077 | 3.94 | 2.71 | 2.94 | 0.0065 | 3.33 | 8.0 | 6.66 | Normal |
| 05 | 15.54 | 1.92 | 2.11 | 0.0077 | 3.31 | 2.69 | 2.96 | 0.0066 | 2.83 | 13.6 | 9.46 | Shutdown |
| 06 | 16.89 | 1.70 | 2.50 | 0.0091 | 2.03 | 2.59 | 3.81 | 0.0085 | 1.90 | 30.7 | 20.11 | Shutdown |
| 07 | 16.92 | 1.10 | 1.63 | 0.0060 | 2.06 | 1.95 | 2.89 | 0.0064 | 2.20 | 10.4 | 10.67 | Shutdown |
| 08 | 15.84 | 3.72 | 4.34 | 0.0158 | 7.02 | 1.10 | 1.28 | 0.0029 | 1.29 | 12.6 | 10.23 | Shutdown |
| 09 | 15.51 | 17.06 | 18.67 | 0.0682 | 34.27 | 0.81 | 0.89 | 0.0020 | 1.00 | 24.9 | 20.10 | Normal |
| 10 | 15.59 | 43.69 | 48.54 | 0.1772 | 89.83 | 1.20 | 1.33 | 0.0030 | 1.52 | 54.1 | 45.62 | Normal |
| 11 | 15.57 | 19.22 | 21.28 | 0.0777 | 39.78 | 1.66 | 1.84 | 0.0041 | 2.10 | 26.6 | 22.53 | Normal |
| 12 | 15.55 | 2.77 | 3.05 | 0.0112 | 5.73 | 2.07 | 2.28 | 0.0051 | 2.61 | 8.5 | 7.16 | Normal |
| 13 | 15.49 | 2.28 | 2.49 | 0.0091 | 4.66 | 2.44 | 2.66 | 0.0059 | 3.02 | 8.3 | 6.66 | Normal |
| 14 | 15.45 | 2.25 | 2.44 | 0.0089 | 4.55 | 2.67 | 2.89 | 0.0064 | 3.28 | 8.5 | 6.65 | Normal |
| 15 | 15.49 | 2.21 | 2.41 | 0.0088 | 4.51 | 2.69 | 2.93 | 0.0065 | 3.34 | 8.3 | 6.66 | Normal |
| 16 | 15.51 | 2.08 | 2.28 | 0.0083 | 4.25 | 2.70 | 2.96 | 0.0066 | 3.38 | 8.0 | 6.65 | Normal |
| 17 | 15.50 | 1.95 | 2.13 | 0.0078 | 4.00 | 2.70 | 2.95 | 0.0066 | 3.38 | 7.9 | 6.65 | Normal |
| 18 | 15.48 | 1.92 | 2.09 | 0.0076 | 3.83 | 2.69 | 2.93 | 0.0065 | 3.28 | 8.4 | 7.06 | Normal |
| 19 | 15.92 | 1.88 | 2.23 | 0.0081 | 2.57 | 2.69 | 3.19 | 0.0071 | 2.25 | 23.8 | 14.26 | Shutdown |
| 20 | 17.72 | 1.34 | 2.49 | 0.0091 | 1.74 | 2.43 | 4.51 | 0.0100 | 1.92 | 26.8 | 23.93 | Shutdown |
| 21 | 17.58 | 0.87 | 1.55 | 0.0056 | 1.61 | 1.65 | 2.93 | 0.0065 | 1.87 | 10.6 | 12.88 | Shutdown |
| 22 | 16.71 | 0.85 | 1.20 | 0.0044 | 1.67 | 0.86 | 1.21 | 0.0027 | 1.03 | 8.6 | 8.73 | Shutdown |
| 23 | 16.35 | 2.59 | 3.36 | 0.0123 | 5.54 | 0.78 | 1.01 | 0.0022 | 0.99 | 7.9 | 8.10 | Shutdown |
| 24 | 15.93 | 15.52 | 18.42 | 0.0673 | 33.88 | 1.20 | 1.42 | 0.0032 | 1.61 | 22.1 | 21.14 | Normal |
| 25 | 15.50 | 38.96 | 42.57 | 0.1554 | 70.33 | 1.63 | 1.78 | 0.0040 | 1.81 | 52.5 | 38.01 | Normal |
| 26 | 15.75 | 11.83 | 13.55 | 0.0495 | 24.53 | 1.69 | 1.94 | 0.0043 | 2.13 | 18.8 | 16.35 | Normal |
| 27 | 15.57 | 3.24 | 3.59 | 0.0131 | 6.70 | 1.58 | 1.75 | 0.0039 | 2.00 | 8.9 | 7.67 | Normal |
| 28 | 15.80 | 2.05 | 2.37 | 0.0087 | 4.03 | 1.86 | 2.15 | 0.0048 | 2.23 | 9.6 | 7.88 | Shutdown |
| 29 | 16.60 | 1.79 | 2.46 | 0.0090 | 2.83 | 2.17 | 2.98 | 0.0066 | 2.08 | 17.8 | 14.17 | Shutdown |
| 30 | 17.19 | 1.46 | 2.32 | 0.0085 | 2.64 | 1.96 | 3.12 | 0.0069 | 2.14 | 12.5 | 13.35 | Shutdown |

| Minute | O2% | NOx ppm | NOx ppm @15% O2 | NOx lb/mmBtu | NOx lb/hr | CO ppm | CO ppm @15% O2 | CO lb/mmBtu | CO lb/hr | NH3 Slip ppm @15% O2 | NH3 Slip lb/hr | Process Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | 17.24 | 1.04 | 1.68 | 0.0061 | 1.90 | 1.44 | 2.32 | 0.0052 | 1.62 | 11.2 | 12.15 | Shutdown |
| 32 | 17.24 | 0.84 | 1.35 | 0.0049 | 1.53 | 1.22 | 1.97 | 0.0044 | 1.37 | 9.1 | 9.97 | Shutdown |
| 33 | 17.27 | 0.80 | 1.30 | 0.0047 | 1.47 | 1.24 | 2.02 | 0.0045 | 1.41 | 7.8 | 8.74 | Shutdown |
| 34 | 17.21 | 0.79 | 1.26 | 0.0046 | 1.29 | 1.28 | 2.05 | 0.0045 | 1.26 | 8.9 | 8.67 | Normal |
| 35 | 17.00 | 0.78 | 1.18 | 0.0043 | 1.20 | 1.27 | 1.92 | 0.0043 | 1.20 | 10.0 | 8.64 | Normal |
| 36 | 17.00 | 0.77 | 1.16 | 0.0043 | 1.19 | 1.12 | 1.69 | 0.0038 | 1.05 | 10.1 | 8.60 | Normal |
| 37 | 16.99 | 0.75 | 1.13 | 0.0041 | 1.14 | 0.96 | 1.45 | 0.0032 | 0.89 | 10.0 | 8.65 | Normal |
| 38 | 17.00 | 0.74 | 1.12 | 0.0041 | 1.14 | 0.89 | 1.35 | 0.0030 | 0.84 | 10.0 | 8.64 | Normal |
| 39 | 16.99 | 0.75 | 1.13 | 0.0041 | 1.15 | 0.91 | 1.37 | 0.0031 | 0.87 | 9.7 | 8.40 | Normal |
| 40 | 16.98 | 0.76 | 1.14 | 0.0042 | 1.18 | 0.93 | 1.40 | 0.0031 | 0.87 | 9.9 | 8.42 | Normal |
| 41 | 17.00 | 0.76 | 1.15 | 0.0042 | 1.18 | 0.96 | 1.45 | 0.0032 | 0.90 | 9.8 | 8.39 | Normal |
| 42 | 17.02 | 0.76 | 1.16 | 0.0042 | 1.18 | 1.00 | 1.52 | 0.0034 | 0.95 | 9.5 | 8.39 | Normal |
| 43 | 17.02 | 0.77 | 1.17 | 0.0043 | 1.20 | 1.03 | 1.57 | 0.0035 | 0.98 | 9.5 | 8.40 | Normal |
| 44 | 17.02 | 0.78 | 1.19 | 0.0043 | 1.20 | 1.07 | 1.63 | 0.0036 | 1.01 | 9.5 | 8.40 | Normal |
| 45 | 17.06 | 0.78 | 1.20 | 0.0044 | 1.37 | 1.13 | 1.74 | 0.0039 | 1.21 | 5.8 | 5.58 | Startup |
| 46 | 17.16 | 0.80 | 1.26 | 0.0046 | 1.50 | 1.61 | 2.54 | 0.0056 | 1.82 | 3.7 | 3.92 | Startup |
| 47 | 17.17 | 0.89 | 1.41 | 0.0051 | 1.74 | 1.89 | 2.99 | 0.0066 | 2.25 | 2.5 | 3.06 | Startup |
| 48 | 17.05 | 1.45 | 2.22 | 0.0081 | 3.09 | 1.82 | 2.79 | 0.0062 | 2.37 | 3.3 | 3.82 | Startup |
| 49 | 16.64 | 4.13 | 5.72 | 0.0209 | 9.54 | 1.52 | 2.11 | 0.0047 | 2.15 | 8.7 | 10.04 | Startup |
| 50 | 16.14 | 11.83 | 14.66 | 0.0535 | 27.90 | 1.55 | 1.92 | 0.0043 | 2.24 | 18.7 | 20.34 | Normal |
| 51 | 15.87 | 11.85 | 13.90 | 0.0507 | 28.26 | 1.78 | 2.09 | 0.0046 | 2.56 | 18.5 | 18.95 | Normal |
| 52 | 15.76 | 2.27 | 2.61 | 0.0095 | 5.33 | 2.37 | 2.72 | 0.0060 | 3.36 | 7.6 | 7.29 | Normal |
| 53 | 15.76 | 1.05 | 1.21 | 0.0044 | 2.47 | 3.73 | 4.28 | 0.0095 | 5.33 | 6.2 | 6.17 | Normal |
| 54 | 15.76 | 0.99 | 1.14 | 0.0041 | 2.29 | 5.22 | 5.99 | 0.0133 | 7.46 | 6.1 | 6.17 | Normal |
| 55 | 15.77 | 0.94 | 1.08 | 0.0039 | 2.18 | 5.89 | 6.77 | 0.0151 | 8.46 | 6.0 | 6.16 | Normal |
| 56 | 15.78 | 0.91 | 1.05 | 0.0038 | 2.13 | 5.96 | 6.87 | 0.0153 | 8.58 | 5.9 | 6.17 | Normal |
| 57 | 15.79 | 0.89 | 1.03 | 0.0038 | 2.13 | 5.80 | 6.70 | 0.0149 | 8.34 | 5.9 | 6.16 | Normal |
| 58 | 15.78 | 0.88 | 1.01 | 0.0037 | 2.07 | 5.60 | 6.45 | 0.0143 | 8.01 | 5.9 | 6.17 | Normal |
| 59 | 15.81 | 0.88 | 1.02 | 0.0037 | 2.07 | 5.58 | 6.47 | 0.0144 | 8.07 | 5.6 | 5.60 | Normal |
| Average | 16.3 | 4.1 | | 0.0176 | | 2.2 | 2.7 | 0.0061 | 2.95 | 12.3 | 10.76 | Startup |
| Total | | | | | | | | | 2.70 | | 10.76 | |
| 3-Hr Rlng | | | | | | | **NSD *** | | **NSD *** | | | |
| 24-Hr Rlng | | | | | | | | | | 1.0 | 0.99 | |

** - Excluding Startup & Shutdown Emissions*

# Calpeak

California

## Midway 1- Hourly Emissions Report

October 3, 2024 - Hour 17

**Emission Limits**

| *1-Hr* | *3-Hr Rolling* | *24-Hr Rolling* |
|---|---|---|
| NOx ppm @15% O2 - 2.5 | CO ppm @15% O2 - 6 | NH3 Slip ppm @15% O2 - 10 |
| NOx lbs - 2.8 | CO lbs - 4.19 | NH3 Slip lbs - ERR |

| Minute | O2% | NOx ppm | NOx ppm @15% O2 | NOx lb/mmBtu | NOx lb/hr | CO ppm | CO ppm @15% O2 | CO lb/mmBtu | CO lb/hr | NH3 Slip ppm @15% O2 | NH3 Slip lb/hr | Process Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 15.81 | 0.86 | 1.00 | 0.0036 | 2.02 | 5.63 | 6.53 | 0.0145 | 8.12 | 5.5 | 5.60 | Normal |
| 01 | 15.81 | 0.87 | 1.01 | 0.0037 | 2.07 | 5.32 | 6.17 | 0.0137 | 7.65 | 5.6 | 5.58 | Normal |
| 02 | 15.80 | 0.92 | 1.06 | 0.0039 | 2.18 | 4.40 | 5.09 | 0.0113 | 6.32 | 5.7 | 5.59 | Normal |
| 03 | 15.81 | 1.00 | 1.16 | 0.0042 | 2.35 | 3.56 | 4.13 | 0.0092 | 5.14 | 5.7 | 5.59 | Normal |
| 04 | 15.81 | 1.04 | 1.21 | 0.0044 | 2.46 | 3.28 | 3.80 | 0.0084 | 4.69 | 5.9 | 6.15 | Normal |
| 05 | 15.81 | 1.05 | 1.22 | 0.0044 | 2.46 | 3.30 | 3.83 | 0.0085 | 4.75 | 5.8 | 5.59 | Normal |
| 06 | 15.81 | 1.04 | 1.21 | 0.0044 | 2.46 | 3.34 | 3.87 | 0.0086 | 4.80 | 5.9 | 6.14 | Normal |
| 07 | 15.81 | 1.04 | 1.21 | 0.0044 | 2.46 | 3.38 | 3.92 | 0.0087 | 4.86 | 5.8 | 5.59 | Normal |
| 08 | 15.81 | 1.02 | 1.18 | 0.0043 | 2.40 | 3.38 | 3.92 | 0.0087 | 4.86 | 5.8 | 5.59 | Normal |
| 09 | 15.81 | 1.02 | 1.18 | 0.0043 | 2.40 | 3.37 | 3.91 | 0.0087 | 4.85 | 5.9 | 6.14 | Normal |
| 10 | 15.81 | 1.03 | 1.19 | 0.0044 | 2.46 | 3.35 | 3.88 | 0.0086 | 4.81 | 5.5 | 5.59 | Normal |
| 11 | 15.82 | 1.03 | 1.20 | 0.0044 | 2.46 | 3.33 | 3.87 | 0.0086 | 4.81 | 5.4 | 5.59 | Normal |
| 12 | 15.81 | 1.02 | 1.18 | 0.0043 | 2.40 | 3.31 | 3.84 | 0.0085 | 4.74 | 5.1 | 5.02 | Normal |
| 13 | 15.82 | 1.01 | 1.17 | 0.0043 | 2.40 | 3.31 | 3.84 | 0.0085 | 4.74 | 5.0 | 5.02 | Normal |
| 14 | 15.82 | 1.03 | 1.20 | 0.0044 | 2.46 | 3.33 | 3.87 | 0.0086 | 4.79 | 5.1 | 5.02 | Normal |
| 15 | 15.82 | 1.02 | 1.18 | 0.0043 | 2.40 | 3.35 | 3.89 | 0.0086 | 4.81 | 5.0 | 5.03 | Normal |
| 16 | 15.83 | 1.01 | 1.18 | 0.0043 | 2.40 | 3.33 | 3.88 | 0.0086 | 4.80 | 4.5 | 4.46 | Normal |
| 17 | 15.83 | 1.03 | 1.20 | 0.0044 | 2.46 | 3.32 | 3.86 | 0.0086 | 4.79 | 4.2 | 4.46 | Normal |
| 18 | 15.83 | 1.05 | 1.22 | 0.0045 | 2.51 | 3.34 | 3.89 | 0.0086 | 4.80 | 4.1 | 4.46 | Normal |
| 19 | 15.83 | 1.07 | 1.25 | 0.0045 | 2.51 | 3.36 | 3.91 | 0.0087 | 4.86 | 3.3 | 3.35 | Normal |
| 20 | 15.83 | 1.07 | 1.25 | 0.0045 | 2.51 | 3.36 | 3.91 | 0.0087 | 4.85 | 3.3 | 3.35 | Normal |
| 21 | 15.83 | 1.05 | 1.22 | 0.0045 | 2.50 | 3.36 | 3.91 | 0.0087 | 4.85 | 2.4 | 2.23 | Normal |
| 22 | 15.83 | 1.08 | 1.26 | 0.0046 | 2.57 | 3.36 | 3.91 | 0.0087 | 4.86 | 2.3 | 2.24 | Normal |
| 23 | 15.84 | 1.12 | 1.31 | 0.0048 | 2.68 | 3.37 | 3.93 | 0.0087 | 4.85 | 1.5 | 1.67 | Normal |
| 24 | 15.83 | 1.11 | 1.29 | 0.0047 | 2.62 | 3.38 | 3.93 | 0.0087 | 4.85 | 1.6 | 1.67 | Normal |
| 25 | 15.83 | 1.13 | 1.31 | 0.0048 | 2.68 | 3.40 | 3.96 | 0.0088 | 4.92 | 1.5 | 1.68 | Normal |
| 26 | 15.83 | 1.17 | 1.36 | 0.0050 | 2.79 | 3.37 | 3.92 | 0.0087 | 4.85 | 1.6 | 1.67 | Normal |
| 27 | 15.83 | 1.19 | 1.38 | 0.0051 | 2.85 | 3.31 | 3.85 | 0.0086 | 4.79 | 1.5 | 1.67 | Normal |
| 28 | 15.83 | 1.25 | 1.45 | 0.0053 | 2.96 | 3.15 | 3.67 | 0.0081 | 4.52 | 1.6 | 1.67 | Normal |
| 29 | 15.83 | 1.32 | 1.54 | 0.0056 | 3.13 | 3.00 | 3.49 | 0.0078 | 4.35 | 1.7 | 1.67 | Normal |
| 30 | 15.83 | 1.29 | 1.50 | 0.0055 | 3.06 | 2.97 | 3.46 | 0.0077 | 4.29 | 1.7 | 1.67 | Normal |

| Minute | O2% | NOx ppm | NOx ppm @15% O2 | NOx lb/mmBtu | NOx lb/hr | CO ppm | CO ppm @15% O2 | CO lb/mmBtu | CO lb/hr | NH3 Slip ppm @15% O2 | NH3 Slip lb/hr | Process Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | 15.83 | 1.31 | 1.52 | 0.0056 | 3.12 | 2.99 | 3.48 | 0.0077 | 4.29 | 1.8 | 1.67 | Normal |
| 32 | 15.83 | 1.34 | 1.56 | 0.0057 | 3.17 | 2.99 | 3.48 | 0.0077 | 4.30 | 1.8 | 1.67 | Normal |
| 33 | 15.85 | 1.35 | 1.58 | 0.0058 | 3.23 | 2.94 | 3.43 | 0.0076 | 4.23 | 1.7 | 1.67 | Normal |
| 34 | 15.85 | 1.45 | 1.69 | 0.0062 | 3.45 | 2.79 | 3.26 | 0.0072 | 4.01 | 1.8 | 1.67 | Normal |
| 35 | 15.85 | 1.56 | 1.82 | 0.0067 | 3.72 | 2.61 | 3.05 | 0.0068 | 3.78 | 2.0 | 2.22 | Normal |
| 36 | 15.84 | 1.57 | 1.83 | 0.0067 | 3.72 | 2.54 | 2.96 | 0.0066 | 3.67 | 1.5 | 1.67 | Normal |
| 37 | 15.85 | 1.58 | 1.85 | 0.0067 | 3.73 | 2.54 | 2.97 | 0.0066 | 3.67 | 1.1 | 1.11 | Normal |
| 38 | 15.84 | 1.62 | 1.89 | 0.0069 | 3.84 | 2.54 | 2.96 | 0.0066 | 3.67 | 1.2 | 1.11 | Normal |
| 39 | 15.85 | 1.65 | 1.93 | 0.0070 | 3.89 | 2.54 | 2.97 | 0.0066 | 3.67 | 1.2 | 1.11 | Normal |
| 40 | 15.85 | 1.67 | 1.95 | 0.0071 | 3.94 | 2.57 | 3.00 | 0.0067 | 3.73 | 1.2 | 1.11 | Normal |
| 41 | 15.85 | 1.66 | 1.94 | 0.0071 | 3.94 | 2.61 | 3.05 | 0.0068 | 3.77 | 1.1 | 1.11 | Normal |
| 42 | 15.86 | 1.60 | 1.87 | 0.0068 | 3.78 | 2.67 | 3.13 | 0.0069 | 3.83 | 1.1 | 1.11 | Normal |
| 43 | 15.87 | 1.61 | 1.89 | 0.0069 | 3.83 | 2.72 | 3.19 | 0.0071 | 3.94 | 1.0 | 1.11 | Normal |
| 44 | 15.86 | 1.64 | 1.92 | 0.0070 | 3.88 | 2.76 | 3.23 | 0.0072 | 4.00 | 1.0 | 1.11 | Normal |
| 45 | 15.86 | 1.64 | 1.92 | 0.0070 | 3.89 | 2.76 | 3.23 | 0.0072 | 4.00 | 1.0 | 1.11 | Normal |
| 46 | 15.85 | 1.64 | 1.92 | 0.0070 | 3.89 | 2.74 | 3.20 | 0.0071 | 3.95 | 1.2 | 1.11 | Normal |
| 47 | 15.85 | 1.64 | 1.92 | 0.0070 | 3.89 | 2.74 | 3.20 | 0.0071 | 3.95 | 1.0 | 1.11 | Normal |
| 48 | 15.85 | 1.63 | 1.90 | 0.0070 | 3.89 | 2.75 | 3.21 | 0.0071 | 3.95 | 1.0 | 1.11 | Normal |
| 49 | 15.86 | 1.62 | 1.90 | 0.0069 | 3.83 | 2.75 | 3.22 | 0.0072 | 4.00 | 1.1 | 1.11 | Normal |
| 50 | 15.86 | 1.56 | 1.83 | 0.0067 | 3.72 | 2.71 | 3.17 | 0.0071 | 3.94 | 1.0 | 1.11 | Normal |
| 51 | 15.87 | 1.54 | 1.81 | 0.0066 | 3.67 | 2.66 | 3.12 | 0.0069 | 3.83 | 1.0 | 1.11 | Normal |
| 52 | 15.87 | 1.58 | 1.85 | 0.0068 | 3.77 | 2.64 | 3.10 | 0.0069 | 3.83 | 1.0 | 1.11 | Normal |
| 53 | 15.87 | 1.56 | 1.83 | 0.0067 | 3.72 | 2.64 | 3.10 | 0.0069 | 3.83 | 1.0 | 1.11 | Normal |
| 54 | 15.87 | 1.59 | 1.87 | 0.0068 | 3.77 | 2.64 | 3.10 | 0.0069 | 3.83 | 0.9 | 1.11 | Normal |
| 55 | 15.87 | 1.63 | 1.91 | 0.0070 | 3.88 | 2.64 | 3.10 | 0.0069 | 3.83 | 1.0 | 1.11 | Normal |
| 56 | 15.87 | 1.57 | 1.84 | 0.0067 | 3.72 | 2.64 | 3.10 | 0.0069 | 3.83 | 1.0 | 1.11 | Normal |
| 57 | 15.87 | 1.58 | 1.85 | 0.0068 | 3.77 | 2.64 | 3.10 | 0.0069 | 3.83 | 1.0 | 1.11 | Normal |
| 58 | 15.87 | 1.64 | 1.92 | 0.0070 | 3.89 | 2.66 | 3.12 | 0.0069 | 3.83 | 1.1 | 1.11 | Normal |
| 59 | 15.87 | 1.66 | 1.95 | 0.0071 | 3.93 | 2.68 | 3.14 | 0.0070 | 3.89 | 1.0 | 1.11 | Normal |
| Average | 15.8 | 1.3 | | 0.0056 | | 3.1 | 3.6 | 0.0080 | 4.48 | 2.7 | 2.71 | Normal |
| Total | | | | | | | | | 4.48 | | 2.71 | |
| 3-Hr Rlng | | | | | | | 3.1 * | | 2.2 * | | | |
| 24-Hr Rlng | | | | | | | | | | 1.1 | 1.10 | |

** - Excluding Startup & Shutdown Emissions*

# Calpeak

California

## Midway 1- Hourly Emissions Report

October 3, 2024 - Hour 18

**Emission Limits**

| *1-Hr* | *3-Hr Rolling* | *24-Hr Rolling* |
|---|---|---|
| NOx ppm @15% O2 - 2.5 | CO ppm @15% O2 - 6 | NH3 Slip ppm @15% O2 - 10 |
| NOx lbs - 2.8 | CO lbs - 4.19 | NH3 Slip lbs - ERR |

| Minute | O2% | NOx ppm | NOx ppm @15% O2 | NOx lb/mmBtu | NOx lb/hr | CO ppm | CO ppm @15% O2 | CO lb/mmBtu | CO lb/hr | NH3 Slip ppm @15% O2 | NH3 Slip lb/hr | Process Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 15.88 | 1.62 | 1.90 | 0.0070 | 3.88 | 2.69 | 3.16 | 0.0070 | 3.88 | 0.9 | 1.11 | Normal |
| 01 | 15.88 | 1.64 | 1.93 | 0.0070 | 3.88 | 2.68 | 3.15 | 0.0070 | 3.88 | 0.9 | 1.11 | Normal |
| 02 | 15.87 | 1.65 | 1.94 | 0.0071 | 3.94 | 2.70 | 3.17 | 0.0070 | 3.89 | 1.1 | 1.11 | Normal |
| 03 | 15.87 | 1.64 | 1.92 | 0.0070 | 3.88 | 2.71 | 3.18 | 0.0071 | 3.93 | 1.0 | 1.11 | Normal |
| 04 | 15.87 | 1.63 | 1.91 | 0.0070 | 3.88 | 2.70 | 3.17 | 0.0070 | 3.88 | 1.0 | 1.11 | Normal |
| 05 | 15.88 | 1.64 | 1.93 | 0.0070 | 3.88 | 2.70 | 3.17 | 0.0071 | 3.94 | 1.1 | 1.11 | Normal |
| 06 | 15.88 | 1.63 | 1.92 | 0.0070 | 3.88 | 2.71 | 3.19 | 0.0071 | 3.94 | 1.1 | 1.11 | Normal |
| 07 | 15.88 | 1.58 | 1.86 | 0.0068 | 3.77 | 2.71 | 3.19 | 0.0071 | 3.94 | 0.9 | 1.11 | Normal |
| 08 | 15.88 | 1.55 | 1.82 | 0.0067 | 3.72 | 2.72 | 3.20 | 0.0071 | 3.94 | 1.0 | 1.11 | Normal |
| 09 | 15.88 | 1.57 | 1.85 | 0.0067 | 3.71 | 2.73 | 3.21 | 0.0071 | 3.94 | 1.0 | 1.11 | Normal |
| 10 | 15.88 | 1.58 | 1.86 | 0.0068 | 3.77 | 2.73 | 3.21 | 0.0071 | 3.94 | 0.9 | 1.11 | Normal |
| 11 | 15.89 | 1.56 | 1.84 | 0.0067 | 3.73 | 2.74 | 3.23 | 0.0072 | 4.00 | 0.8 | 0.56 | Normal |
| 12 | 15.88 | 1.54 | 1.81 | 0.0066 | 3.66 | 2.75 | 3.23 | 0.0072 | 3.99 | 0.9 | 1.11 | Normal |
| 13 | 15.87 | 1.57 | 1.84 | 0.0067 | 3.72 | 2.77 | 3.25 | 0.0072 | 4.00 | 1.0 | 1.11 | Normal |
| 14 | 15.88 | 1.59 | 1.87 | 0.0068 | 3.77 | 2.78 | 3.27 | 0.0073 | 4.04 | 1.1 | 1.11 | Normal |
| 15 | 15.88 | 1.59 | 1.87 | 0.0068 | 3.77 | 2.78 | 3.27 | 0.0073 | 4.05 | 0.9 | 1.11 | Normal |
| 16 | 15.87 | 1.59 | 1.87 | 0.0068 | 3.77 | 2.80 | 3.28 | 0.0073 | 4.05 | 0.9 | 1.11 | Normal |
| 17 | 15.88 | 1.59 | 1.87 | 0.0068 | 3.77 | 2.81 | 3.30 | 0.0073 | 4.05 | 1.0 | 1.11 | Normal |
| 18 | 15.88 | 1.60 | 1.88 | 0.0069 | 3.83 | 2.81 | 3.30 | 0.0073 | 4.05 | 0.9 | 1.11 | Normal |
| 19 | 15.86 | 1.59 | 1.86 | 0.0068 | 3.77 | 2.81 | 3.29 | 0.0073 | 4.05 | 1.0 | 1.11 | Normal |
| 20 | 15.87 | 1.57 | 1.84 | 0.0067 | 3.71 | 2.82 | 3.31 | 0.0074 | 4.10 | 1.0 | 1.11 | Normal |
| 21 | 15.86 | 1.57 | 1.84 | 0.0067 | 3.72 | 2.83 | 3.31 | 0.0074 | 4.10 | 1.0 | 1.11 | Normal |
| 22 | 15.86 | 1.56 | 1.83 | 0.0067 | 3.72 | 2.82 | 3.30 | 0.0073 | 4.05 | 1.0 | 1.11 | Normal |
| 23 | 15.87 | 1.52 | 1.78 | 0.0065 | 3.61 | 2.78 | 3.26 | 0.0072 | 4.00 | 0.9 | 1.11 | Normal |
| 24 | 15.88 | 1.55 | 1.82 | 0.0067 | 3.72 | 2.77 | 3.26 | 0.0072 | 4.00 | 0.8 | 0.56 | Normal |
| 25 | 15.87 | 1.57 | 1.84 | 0.0067 | 3.71 | 2.78 | 3.26 | 0.0072 | 4.00 | 0.9 | 1.11 | Normal |
| 26 | 15.88 | 1.53 | 1.80 | 0.0066 | 3.66 | 2.79 | 3.28 | 0.0073 | 4.04 | 0.8 | 0.55 | Normal |
| 27 | 15.87 | 1.54 | 1.81 | 0.0066 | 3.66 | 2.78 | 3.26 | 0.0072 | 4.00 | 0.9 | 1.11 | Normal |
| 28 | 15.88 | 1.57 | 1.85 | 0.0067 | 3.71 | 2.78 | 3.27 | 0.0073 | 4.04 | 0.9 | 1.11 | Normal |
| 29 | 15.88 | 1.57 | 1.85 | 0.0067 | 3.71 | 2.78 | 3.27 | 0.0073 | 4.04 | 0.9 | 1.11 | Normal |
| 30 | 15.86 | 1.58 | 1.85 | 0.0068 | 3.77 | 2.79 | 3.27 | 0.0073 | 4.05 | 1.0 | 1.11 | Normal |

| Minute | O2% | NOx ppm | NOx ppm @15% O2 | NOx lb/mmBtu | NOx lb/hr | CO ppm | CO ppm @15% O2 | CO lb/mmBtu | CO lb/hr | NH3 Slip ppm @15% O2 | NH3 Slip lb/hr | Process Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | 15.86 | 1.56 | 1.83 | 0.0067 | 3.71 | 2.80 | 3.28 | 0.0073 | 4.05 | 1.0 | 1.11 | Normal |
| 32 | 15.87 | 1.55 | 1.82 | 0.0066 | 3.67 | 2.84 | 3.33 | 0.0074 | 4.11 | 0.2 | 0.00 | Normal |
| 33 | 15.86 | 1.60 | 1.87 | 0.0068 | 3.77 | 2.84 | 3.32 | 0.0074 | 4.10 | 0.1 | 0.00 | Normal |
| 34 | 15.87 | 1.69 | 1.98 | 0.0072 | 4.00 | 2.84 | 3.33 | 0.0074 | 4.11 | 0.2 | 0.00 | Normal |
| 35 | 15.87 | 1.72 | 2.02 | 0.0074 | 4.10 | 2.84 | 3.33 | 0.0074 | 4.10 | 0.2 | 0.00 | Normal |
| 36 | 15.87 | 1.70 | 1.99 | 0.0073 | 4.05 | 2.86 | 3.35 | 0.0075 | 4.16 | 0.2 | 0.00 | Normal |
| 37 | 15.87 | 1.68 | 1.97 | 0.0072 | 4.00 | 2.87 | 3.37 | 0.0075 | 4.16 | 0.1 | 0.00 | Normal |
| 38 | 15.87 | 1.65 | 1.94 | 0.0071 | 3.94 | 2.84 | 3.33 | 0.0074 | 4.11 | 0.1 | 0.00 | Normal |
| 39 | 15.85 | 1.70 | 1.99 | 0.0073 | 4.05 | 2.78 | 3.25 | 0.0072 | 4.00 | 0.3 | 0.56 | Normal |
| 40 | 15.85 | 1.77 | 2.07 | 0.0076 | 4.22 | 2.73 | 3.19 | 0.0071 | 3.94 | 0.3 | 0.56 | Normal |
| 41 | 15.85 | 1.76 | 2.06 | 0.0075 | 4.16 | 2.71 | 3.17 | 0.0070 | 3.88 | 0.3 | 0.55 | Normal |
| 42 | 15.86 | 1.80 | 2.11 | 0.0077 | 4.28 | 2.73 | 3.20 | 0.0071 | 3.94 | 0.2 | 0.00 | Normal |
| 43 | 15.86 | 1.81 | 2.12 | 0.0077 | 4.27 | 2.73 | 3.20 | 0.0071 | 3.94 | 0.4 | 0.55 | Normal |
| 44 | 15.86 | 1.77 | 2.07 | 0.0076 | 4.21 | 2.71 | 3.17 | 0.0071 | 3.94 | 0.3 | 0.55 | Normal |
| 45 | 15.86 | 1.69 | 1.98 | 0.0072 | 3.99 | 2.67 | 3.13 | 0.0069 | 3.83 | 0.2 | 0.00 | Normal |
| 46 | 15.86 | 1.71 | 2.00 | 0.0073 | 4.05 | 2.66 | 3.11 | 0.0069 | 3.83 | 0.2 | 0.00 | Normal |
| 47 | 15.86 | 1.79 | 2.10 | 0.0077 | 4.27 | 2.70 | 3.16 | 0.0070 | 3.88 | 0.2 | 0.00 | Normal |
| 48 | 15.87 | 1.81 | 2.12 | 0.0078 | 4.33 | 2.73 | 3.20 | 0.0071 | 3.94 | 0.3 | 0.55 | Normal |
| 49 | 15.87 | 1.82 | 2.13 | 0.0078 | 4.32 | 2.73 | 3.20 | 0.0071 | 3.94 | 0.2 | 0.00 | Normal |
| 50 | 15.86 | 1.82 | 2.13 | 0.0078 | 4.32 | 2.74 | 3.21 | 0.0071 | 3.94 | 0.3 | 0.55 | Normal |
| 51 | 15.87 | 1.80 | 2.11 | 0.0077 | 4.27 | 2.77 | 3.25 | 0.0072 | 4.00 | 0.2 | 0.00 | Normal |
| 52 | 15.87 | 1.71 | 2.01 | 0.0073 | 4.05 | 2.78 | 3.26 | 0.0072 | 4.00 | 0.1 | 0.00 | Normal |
| 53 | 15.86 | 1.73 | 2.03 | 0.0074 | 4.11 | 2.80 | 3.28 | 0.0073 | 4.05 | 0.3 | 0.55 | Normal |
| 54 | 15.86 | 1.76 | 2.06 | 0.0075 | 4.15 | 2.84 | 3.32 | 0.0074 | 4.11 | 0.2 | 0.00 | Normal |
| 55 | 15.87 | 1.77 | 2.08 | 0.0076 | 4.22 | 2.86 | 3.35 | 0.0075 | 4.16 | 0.1 | 0.00 | Normal |
| 56 | 15.86 | 1.82 | 2.13 | 0.0078 | 4.32 | 2.86 | 3.35 | 0.0074 | 4.11 | 0.2 | 0.00 | Normal |
| 57 | 15.86 | 1.83 | 2.14 | 0.0078 | 4.33 | 2.84 | 3.32 | 0.0074 | 4.10 | 0.3 | 0.55 | Normal |
| 58 | 15.86 | 1.83 | 2.14 | 0.0078 | 4.32 | 2.83 | 3.31 | 0.0074 | 4.10 | 0.3 | 0.55 | Normal |
| 59 | 15.86 | 1.82 | 2.13 | 0.0078 | 4.32 | 2.82 | 3.30 | 0.0073 | 4.04 | 0.3 | 0.55 | Normal |
| Average | 15.9 | 1.7 | | 0.0071 | | 2.8 | 3.3 | 0.0072 | 4.00 | 0.6 | 0.67 | Normal |
| Total | | | | | | | | | 4.00 | | 0.67 | |
| 3-Hr Rlng | | | | | | | 3.2 * | | 3.5 * | | | |
| 24-Hr Rlng | | | | | | | | | | 1.1 | 1.10 | |

** - Excluding Startup & Shutdown Emissions*

# Calpeak

California

## Midway 1- Hourly Emissions Report

October 3, 2024 - Hour 19

**Emission Limits**

| *1-Hr* | *3-Hr Rolling* | *24-Hr Rolling* |
|---|---|---|
| NOx ppm @15% O2 - 2.5 | CO ppm @15% O2 - 6 | NH3 Slip ppm @15% O2 - 10 |
| NOx lbs - 2.8 | CO lbs - 4.19 | NH3 Slip lbs - ERR |

| Minute | O2% | NOx ppm | NOx ppm @15% O2 | NOx lb/mmBtu | NOx lb/hr | CO ppm | CO ppm @15% O2 | CO lb/mmBtu | CO lb/hr | NH3 Slip ppm @15% O2 | NH3 Slip lb/hr | Process Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 15.87 | 1.83 | 2.15 | 0.0078 | 4.32 | 2.81 | 3.30 | 0.0073 | 4.04 | 0.2 | 0.00 | Normal |
| 01 | 15.86 | 1.85 | 2.17 | 0.0079 | 4.38 | 2.82 | 3.30 | 0.0073 | 4.04 | 0.3 | 0.55 | Normal |
| 02 | 15.87 | 1.85 | 2.17 | 0.0079 | 4.38 | 2.83 | 3.32 | 0.0074 | 4.11 | 0.2 | 0.00 | Normal |
| 03 | 15.88 | 1.82 | 2.14 | 0.0078 | 4.33 | 2.82 | 3.31 | 0.0074 | 4.10 | 0.1 | 0.00 | Normal |
| 04 | 15.88 | 1.82 | 2.14 | 0.0078 | 4.32 | 2.80 | 3.29 | 0.0073 | 4.04 | 0.2 | 0.00 | Normal |
| 05 | 15.88 | 1.85 | 2.17 | 0.0079 | 4.38 | 2.80 | 3.29 | 0.0073 | 4.05 | 0.2 | 0.00 | Normal |
| 06 | 15.87 | 1.87 | 2.19 | 0.0080 | 4.43 | 2.80 | 3.28 | 0.0073 | 4.05 | 0.3 | 0.55 | Normal |
| 07 | 15.89 | 1.86 | 2.19 | 0.0080 | 4.44 | 2.80 | 3.30 | 0.0073 | 4.05 | 0.3 | 0.55 | Normal |
| 08 | 15.88 | 1.85 | 2.17 | 0.0079 | 4.37 | 2.81 | 3.30 | 0.0073 | 4.04 | 0.2 | 0.00 | Normal |
| 09 | 15.88 | 1.85 | 2.17 | 0.0079 | 4.38 | 2.83 | 3.33 | 0.0074 | 4.10 | 0.2 | 0.00 | Normal |
| 10 | 15.89 | 1.87 | 2.20 | 0.0080 | 4.43 | 2.83 | 3.33 | 0.0074 | 4.09 | 0.2 | 0.00 | Normal |
| 11 | 15.89 | 1.88 | 2.21 | 0.0081 | 4.48 | 2.84 | 3.34 | 0.0074 | 4.10 | 0.2 | 0.00 | Normal |
| 12 | 15.88 | 1.86 | 2.19 | 0.0080 | 4.43 | 2.87 | 3.37 | 0.0075 | 4.15 | 0.2 | 0.00 | Normal |
| 13 | 15.87 | 1.86 | 2.18 | 0.0080 | 4.44 | 2.90 | 3.40 | 0.0076 | 4.21 | 0.3 | 0.55 | Normal |
| 14 | 15.88 | 1.88 | 2.21 | 0.0081 | 4.50 | 2.89 | 3.40 | 0.0075 | 4.16 | 0.2 | 0.00 | Normal |
| 15 | 15.87 | 1.88 | 2.21 | 0.0081 | 4.50 | 2.88 | 3.38 | 0.0075 | 4.16 | 0.3 | 0.56 | Normal |
| 16 | 15.88 | 1.86 | 2.19 | 0.0080 | 4.43 | 2.86 | 3.36 | 0.0075 | 4.15 | 0.2 | 0.00 | Normal |
| 17 | 15.87 | 1.85 | 2.17 | 0.0079 | 4.38 | 2.85 | 3.34 | 0.0074 | 4.10 | 0.3 | 0.55 | Normal |
| 18 | 15.86 | 1.79 | 2.10 | 0.0077 | 4.27 | 2.84 | 3.32 | 0.0074 | 4.11 | 0.2 | 0.00 | Normal |
| 19 | 15.88 | 1.72 | 2.02 | 0.0074 | 4.11 | 2.84 | 3.34 | 0.0074 | 4.11 | 0.0 | 0.00 | Normal |
| 20 | 15.88 | 1.74 | 2.05 | 0.0075 | 4.15 | 2.84 | 3.34 | 0.0074 | 4.11 | 0.1 | 0.00 | Normal |
| 21 | 15.89 | 1.81 | 2.13 | 0.0078 | 4.33 | 2.85 | 3.36 | 0.0075 | 4.17 | 0.1 | 0.00 | Normal |
| 22 | 15.89 | 1.83 | 2.16 | 0.0079 | 4.38 | 2.84 | 3.34 | 0.0074 | 4.11 | 0.1 | 0.00 | Normal |
| 23 | 15.88 | 1.83 | 2.15 | 0.0079 | 4.38 | 2.84 | 3.34 | 0.0074 | 4.10 | 0.2 | 0.00 | Normal |
| 24 | 15.89 | 1.84 | 2.17 | 0.0079 | 4.38 | 2.83 | 3.33 | 0.0074 | 4.10 | 0.2 | 0.00 | Normal |
| 25 | 15.89 | 1.85 | 2.18 | 0.0080 | 4.44 | 2.81 | 3.31 | 0.0074 | 4.10 | 0.2 | 0.00 | Normal |
| 26 | 15.88 | 1.85 | 2.17 | 0.0079 | 4.39 | 2.81 | 3.30 | 0.0073 | 4.06 | 0.2 | 0.00 | Normal |
| 27 | 15.88 | 1.84 | 2.16 | 0.0079 | 4.39 | 2.83 | 3.33 | 0.0074 | 4.11 | 0.1 | 0.00 | Normal |
| 28 | 15.88 | 1.83 | 2.15 | 0.0079 | 4.38 | 2.84 | 3.34 | 0.0074 | 4.10 | 0.2 | 0.00 | Normal |
| 29 | 15.87 | 1.85 | 2.17 | 0.0079 | 4.38 | 2.86 | 3.35 | 0.0075 | 4.15 | 0.3 | 0.55 | Normal |
| 30 | 15.89 | 1.86 | 2.19 | 0.0080 | 4.30 | 2.88 | 3.39 | 0.0075 | 4.03 | 0.9 | 1.07 | Normal |

| Minute | O2% | NOx ppm | NOx ppm @15% O2 | NOx lb/mmBtu | NOx lb/hr | CO ppm | CO ppm @15% O2 | CO lb/mmBtu | CO lb/hr | NH3 Slip ppm @15% O2 | NH3 Slip lb/hr | Process Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | 16.28 | 1.87 | 2.39 | 0.0087 | 3.73 | 2.83 | 3.61 | 0.0080 | 3.43 | 5.0 | 4.71 | Normal |
| 32 | 16.93 | 1.85 | 2.75 | 0.0100 | 3.41 | 2.43 | 3.61 | 0.0080 | 2.72 | 7.7 | 7.84 | Shutdown |
| 33 | 17.54 | 1.22 | 2.14 | 0.0078 | 2.06 | 1.88 | 3.30 | 0.0073 | 1.93 | 9.9 | 10.86 | Shutdown |
| 34 | 17.98 | 0.76 | 1.54 | 0.0056 | 1.11 | 1.59 | 3.21 | 0.0071 | 1.41 | 14.9 | 16.30 | Shutdown |
| 35 | 18.59 | 0.69 | 1.76 | 0.0064 | 0.71 | 1.83 | 4.67 | 0.0104 | 1.15 | 31.7 | 30.62 | Shutdown |
| 36 | 19.31 | 0.71 | 2.20 | 0.0080 | 0.57 | 1.76 | 5.47 | 0.0121 | 0.86 | 48.3 | 53.15 | Shutdown |
| 37 | 19.52 | 0.70 | 2.17 | 0.0079 | 0.52 | 1.19 | 3.70 | 0.0082 | 0.54 | 53.7 | 63.40 | Shutdown |
| 38 | 19.50 | 0.51 | 1.58 | 0.0058 | 0.39 | 0.57 | 1.77 | 0.0039 | 0.26 | 51.9 | 61.27 | Shutdown |
| 39 | 19.51 | 0.44 | 1.37 | 0.0050 | 0.34 | 0.53 | 1.65 | 0.0037 | 0.25 | 50.9 | 61.03 | Shutdown |
| 40 | 19.49 | 0.43 | 1.34 | 0.0049 | 0.33 | 0.60 | 1.86 | 0.0041 | 0.28 | 50.9 | 60.22 | Shutdown |
| 41 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 42 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 43 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 44 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 45 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 46 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 47 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 48 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 49 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 50 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 51 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 52 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 53 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 54 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 55 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 56 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 57 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 58 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| 59 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | Down |
| Average | 16.5 | 1.6 | | 0.0077 | | 2.5 | 3.3 | 0.0074 | 3.41 | 5.5 | 9.13 | Shutdown |
| Total | | | | | | | | | 2.32 | | 6.21 | |
| 3-Hr Rlng | | | | | | | 3.4 * | | 3.5 * | | | |
| 24-Hr Rlng | | | | | | | | | | 1.0 | 1.06 | |

** - Excluding Startup & Shutdown Emissions*

# Calpeak

California

## Midway 1- Hourly Operations Report

October 3, 2024 - Hour 15

| Minute | CT-A Nat Gas Flow lb/hr | CT-B Nat Gas Flow lb/hr | Heat Input Rate mmBtu/hr | NH3 Flow lb/hr | Megawatts | SCR Inlet Temp °F | Stack HSL Temp °F | Shelter Temp °F | Process Status |
|---|---|---|---|---|---|---|---|---|---|
| 00 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.3 | 149.9 | 71.2 | Down |
| 01 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.4 | 149.9 | 71.1 | Down |
| 02 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.4 | 150.0 | 71.1 | Down |
| 03 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.4 | 150.0 | 71.3 | Down |
| 04 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.4 | 150.0 | 71.6 | Down |
| 05 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.4 | 150.0 | 71.9 | Down |
| 06 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.4 | 150.0 | 72.2 | Down |
| 07 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.4 | 150.0 | 72.5 | Down |
| 08 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.5 | 150.1 | 72.9 | Down |
| 09 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.5 | 150.0 | 73.3 | Down |
| 10 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.5 | 149.9 | 73.8 | Down |
| 11 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.6 | 150.0 | 74.5 | Down |
| 12 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.5 | 150.1 | 75.0 | Down |
| 13 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.6 | 150.0 | 74.9 | Down |
| 14 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.6 | 150.1 | 74.3 | Down |
| 15 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.6 | 150.0 | 73.6 | Down |
| 16 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.6 | 150.0 | 72.8 | Down |
| 17 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.6 | 150.0 | 71.8 | Down |
| 18 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.6 | 150.0 | 70.9 | Down |
| 19 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.6 | 149.9 | 70.7 | Down |
| 20 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.6 | 150.0 | 71.2 | Down |
| 21 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.7 | 149.9 | 72.0 | Down |
| 22 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.6 | 150.0 | 72.7 | Down |
| 23 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.5 | 150.0 | 73.5 | Down |
| 24 | **Down** | **Down** | **Down** | **Down** | **Down** | 111.4 | 150.0 | 74.2 | Down |
| 25 | 1432.1 | **Down** | 33.5 | **Down** | 0.0 | 111.3 | 163.8 | 74.8 | Startup |
| 26 | 3149.0 | **Down** | 73.6 | **Down** | 0.0 | 116.9 | 207.8 | 75.5 | Startup |
| 27 | 2743.8 | **Down** | 64.2 | **Down** | 0.0 | 141.7 | 253.6 | 76.1 | Startup |
| 28 | 4449.3 | **Down** | 104.1 | **Down** | 4.1 | 171.4 | 297.0 | 76.7 | Startup |
| 29 | 7871.7 | 1982.3 | 230.4 | **Down** | 14.8 | 211.0 | 338.9 | 77.1 | Startup |
| 30 | 8866.1 | 4939.3 | 322.8 | **Down** | 24.8 | 263.0 | 365.7 | 76.8 | Startup |
| 31 | 9662.2 | 8155.1 | 416.7 | **Down** | 35.0 | 340.2 | 360.8 | 76.1 | Startup |
| 32 | 10526.1 | 11097.2 | 505.6 | **Down** | 44.9 | 429.8 | 359.0 | 75.2 | Startup |
| 33 | 11493.6 | 12441.2 | 559.8 | **Down** | 50.0 | 515.1 | 358.8 | 74.3 | Startup |

| Minute | CT-A Nat Gas Flow lb/hr | CT-B Nat Gas Flow lb/hr | Heat Input Rate mmBtu/hr | NH3 Flow lb/hr | Megawatts | SCR Inlet Temp °F | Stack HSL Temp °F | Shelter Temp °F | Process Status |
|---|---|---|---|---|---|---|---|---|---|
| 34 | 11611.4 | 12514.1 | 564.1 | **Down** | 50.1 | 585.4 | 359.0 | 73.3 | Startup |
| 35 | 11560.7 | 12519.4 | 563.1 | **Down** | 50.1 | 640.7 | 359.0 | 72.3 | Startup |
| 36 | 11615.0 | 12522.8 | 564.4 | **Down** | 50.1 | 684.2 | 359.0 | 71.6 | Startup |
| 37 | 11599.2 | 12521.9 | 564.0 | **Down** | 50.1 | 719.2 | 358.9 | 71.7 | Startup |
| 38 | 11637.7 | 12507.7 | 564.6 | **Down** | 50.1 | 747.2 | 359.0 | 72.3 | Startup |
| 39 | 11623.8 | 12539.3 | 565.1 | **Down** | 50.1 | 767.3 | 359.0 | 73.0 | Startup |
| 40 | 11605.1 | 12515.4 | 563.9 | **Down** | 50.1 | 785.2 | 359.0 | 73.7 | Startup |
| 41 | 11554.8 | 12487.9 | 562.2 | **Down** | 50.1 | 797.3 | 359.1 | 74.5 | Startup |
| 42 | 11596.7 | 12471.8 | 562.8 | 56.56 | 50.1 | 807.4 | 359.0 | 75.2 | Startup |
| 43 | 11555.5 | 12495.6 | 562.4 | 108.09 | 50.1 | 813.8 | 359.0 | 75.8 | Startup |
| 44 | 11573.3 | 12438.0 | 561.5 | 126.88 | 50.1 | 820.6 | 359.0 | 76.4 | Startup |
| 45 | 11532.3 | 12402.7 | 559.6 | 126.02 | 50.1 | 830.3 | 359.0 | 77.0 | Startup |
| 46 | 11567.4 | 12387.5 | 560.2 | 134.24 | 50.1 | 837.2 | 359.0 | 77.5 | Startup |
| 47 | 11578.9 | 12390.9 | 560.5 | 135.36 | 50.0 | 842.1 | 359.0 | 77.6 | Startup |
| 48 | 11600.3 | 12404.0 | 561.2 | 142.68 | 50.0 | 846.0 | 359.0 | 76.9 | Startup |
| 49 | 11564.0 | 12403.9 | 560.4 | 141.76 | 50.1 | 849.5 | 359.1 | 76.0 | Startup |
| 50 | 11075.0 | 11922.8 | 537.7 | 141.41 | 47.7 | 852.2 | 359.0 | 75.2 | Startup |
| 51 | 10567.8 | 11379.4 | 513.2 | 141.21 | 45.1 | 852.3 | 358.9 | 74.2 | Startup |
| 52 | 10574.1 | 11351.2 | 512.7 | 141.25 | 45.1 | 850.8 | 359.0 | 73.1 | Startup |
| 53 | 10578.4 | 11357.0 | 512.9 | 141.25 | 45.1 | 850.8 | 358.8 | 72.1 | Startup |
| 54 | 10550.9 | 11360.0 | 512.5 | 140.01 | 45.1 | 852.0 | 358.9 | 71.6 | Startup |
| 55 | 10557.2 | 11371.9 | 512.9 | 138.94 | 45.1 | 853.1 | 358.9 | 71.9 | Startup |
| 56 | 10571.9 | 11371.4 | 513.1 | 136.83 | 45.1 | 853.4 | 358.9 | 72.6 | Startup |
| 57 | 10564.7 | 11377.1 | 513.2 | 134.69 | 45.1 | 853.6 | 358.9 | 73.3 | Startup |
| 58 | 10571.7 | 11363.2 | 513.0 | 133.40 | 45.1 | 853.7 | 358.9 | 74.1 | Startup |
| 59 | 10570.7 | 11358.9 | 512.9 | 126.82 | 45.1 | 854.1 | 359.0 | 74.9 | Normal |
| Average | 10050.1 | 11366.2 | 500.8 | 130.41 | 40.8 | 433.1 | 263.1 | 73.8 | Startup |
| Total | 5.8 klb | 5.9 klb | 290.5 | 0.0 klbs | | | | | |

# Calpeak

California

## Midway 1- Hourly Operations Report

October 3, 2024 - Hour 16

| Minute | CT-A Nat Gas Flow lb/hr | CT-B Nat Gas Flow lb/hr | Heat Input Rate mmBtu/hr | NH3 Flow lb/hr | Megawatts | SCR Inlet Temp °F | Stack HSL Temp °F | Shelter Temp °F | Process Status |
|---|---|---|---|---|---|---|---|---|---|
| 00 | 10557.0 | 11355.6 | 512.4 | 126.87 | 45.1 | 854.8 | 358.9 | 75.6 | Normal |
| 01 | 10576.2 | 11360.0 | 513.0 | 127.06 | 45.1 | 855.2 | 358.9 | 76.2 | Normal |
| 02 | 10550.0 | 11343.9 | 511.8 | 127.17 | 45.1 | 855.4 | 358.9 | 76.8 | Normal |
| 03 | 10539.6 | 11350.4 | 511.8 | 127.23 | 45.1 | 855.5 | 358.9 | 77.3 | Normal |
| 04 | 10569.6 | 11349.1 | 512.5 | 127.19 | 45.1 | 856.0 | 359.1 | 77.2 | Normal |
| 05 | 8772.7 | 9616.7 | 430.1 | 127.29 | 35.8 | 856.2 | 358.9 | 76.4 | Shutdown |
| 06 | 6911.5 | 2643.2 | 223.4 | 127.43 | 13.4 | 850.4 | 358.9 | 75.5 | Shutdown |
| 07 | 10698.4 | 4017.5 | 344.2 | 127.53 | 27.1 | 838.6 | 359.0 | 74.5 | Shutdown |
| 08 | 11987.1 | 7024.3 | 444.6 | 127.50 | 38.0 | 833.1 | 358.9 | 73.5 | Shutdown |
| 09 | 11336.0 | 10154.2 | 502.5 | 127.50 | 44.9 | 839.6 | 359.0 | 72.8 | Normal |
| 10 | 10677.2 | 11002.1 | 507.0 | 127.51 | 45.1 | 848.6 | 359.0 | 72.0 | Normal |
| 11 | 10671.5 | 11220.1 | 512.0 | 127.49 | 45.1 | 851.5 | 358.8 | 71.7 | Normal |
| 12 | 10659.3 | 11223.5 | 511.7 | 127.38 | 45.1 | 852.8 | 358.8 | 71.6 | Normal |
| 13 | 10673.5 | 11234.4 | 512.3 | 127.53 | 45.1 | 854.3 | 358.9 | 71.8 | Normal |
| 14 | 10672.2 | 11209.3 | 511.7 | 127.55 | 45.1 | 855.8 | 358.9 | 72.0 | Normal |
| 15 | 10695.5 | 11219.5 | 512.5 | 127.65 | 45.1 | 856.9 | 358.8 | 72.3 | Normal |
| 16 | 10693.2 | 11199.9 | 511.9 | 127.59 | 45.1 | 857.7 | 358.8 | 72.7 | Normal |
| 17 | 10670.6 | 11213.4 | 511.7 | 127.57 | 45.1 | 857.9 | 358.8 | 73.0 | Normal |
| 18 | 10497.9 | 11055.8 | 504.0 | 127.62 | 44.1 | 858.1 | 358.9 | 73.4 | Normal |
| 19 | 7067.7 | 6484.8 | 316.9 | 127.67 | 23.4 | 856.8 | 358.9 | 73.8 | Shutdown |
| 20 | 6483.0 | 1700.4 | 191.4 | 127.74 | 10.6 | 847.1 | 358.8 | 74.1 | Shutdown |
| 21 | 10364.2 | 1878.1 | 286.2 | 127.71 | 21.0 | 827.7 | 358.9 | 74.5 | Shutdown |
| 22 | 11972.0 | 4262.0 | 379.5 | 127.81 | 30.8 | 811.6 | 358.9 | 74.8 | Shutdown |
| 23 | 11896.6 | 7356.8 | 450.1 | 127.73 | 38.8 | 805.6 | 358.9 | 74.5 | Shutdown |
| 24 | 11212.7 | 10312.5 | 503.4 | 127.54 | 45.1 | 810.8 | 358.9 | 74.0 | Normal |
| 25 | 9515.7 | 9837.2 | 452.6 | 127.63 | 38.3 | 824.4 | 358.9 | 73.7 | Normal |
| 26 | 10576.8 | 10619.7 | 495.6 | 127.57 | 43.4 | 834.6 | 358.9 | 72.9 | Normal |
| 27 | 10748.7 | 11132.6 | 511.7 | 127.63 | 45.0 | 842.3 | 358.9 | 72.1 | Normal |
| 28 | 11983.5 | 7824.9 | 463.2 | 127.79 | 39.1 | 842.9 | 358.8 | 71.1 | Shutdown |
| 29 | 11972.6 | 1492.7 | 314.8 | 127.93 | 24.7 | 827.6 | 358.8 | 70.8 | Shutdown |
| 30 | 11973.3 | 1304.5 | 310.5 | 128.03 | 24.3 | 776.2 | 358.9 | 70.8 | Shutdown |
| 31 | 11995.2 | 1332.2 | 311.7 | 128.14 | 24.3 | 725.9 | 358.9 | 71.0 | Shutdown |
| 32 | 11953.2 | 1363.8 | 311.4 | 121.71 | 24.4 | 684.7 | 358.8 | 71.2 | Shutdown |
| 33 | 11971.0 | 1379.3 | 312.1 | 118.32 | 24.4 | 650.7 | 358.9 | 71.6 | Shutdown |
| 34 | 11967.9 | **Down** | 279.8 | 107.85 | 24.1 | 622.6 | 358.9 | 71.9 | Normal |

| Minute | CT-A Nat Gas Flow lb/hr | CT-B Nat Gas Flow lb/hr | Heat Input Rate mmBtu/hr | NH3 Flow lb/hr | Megawatts | SCR Inlet Temp °F | Stack HSL Temp °F | Shelter Temp °F | Process Status |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11913.3 | **Down** | 278.6 | 105.30 | 24.0 | 590.3 | 358.8 | 72.3 | Normal |
| 36 | 11870.0 | **Down** | 277.5 | 105.15 | 23.7 | 568.9 | 358.8 | 72.7 | Normal |
| 37 | 11929.5 | **Down** | 279.0 | 105.04 | 23.9 | 553.2 | 358.9 | 73.2 | Normal |
| 38 | 11913.7 | **Down** | 278.6 | 105.00 | 23.9 | 540.2 | 358.9 | 73.6 | Normal |
| 39 | 11976.0 | **Down** | 280.0 | 104.94 | 24.0 | 531.4 | 358.9 | 74.1 | Normal |
| 40 | 11997.0 | **Down** | 280.6 | 105.04 | 24.0 | 522.3 | 358.9 | 74.4 | Normal |
| 41 | 11967.0 | **Down** | 279.8 | 105.01 | 23.9 | 514.2 | 359.0 | 74.4 | Normal |
| 42 | 11966.7 | **Down** | 279.8 | 104.99 | 23.9 | 506.5 | 358.9 | 74.1 | Normal |
| 43 | 11972.0 | **Down** | 279.9 | 104.89 | 24.0 | 500.4 | 358.8 | 73.6 | Normal |
| 44 | 11981.0 | **Down** | 280.1 | 104.88 | 24.0 | 494.9 | 359.0 | 72.9 | Normal |
| 45 | 11935.9 | 1334.2 | 310.3 | 104.95 | 24.3 | 483.9 | 358.8 | 72.2 | Startup |
| 46 | 11633.9 | 2323.9 | 326.5 | 105.03 | 25.1 | 472.6 | 358.9 | 71.3 | Startup |
| 47 | 10658.4 | 3903.7 | 340.5 | 104.84 | 26.5 | 481.1 | 358.8 | 71.0 | Startup |
| 48 | 10758.8 | 5568.2 | 381.8 | 113.64 | 30.9 | 507.7 | 358.8 | 71.0 | Startup |
| 49 | 11441.6 | 8072.3 | 456.3 | 131.37 | 39.5 | 551.4 | 358.9 | 71.1 | Startup |
| 50 | 10781.1 | 11516.7 | 521.4 | 139.34 | 46.7 | 603.8 | 358.8 | 71.4 | Normal |
| 51 | 10970.7 | 12862.8 | 557.3 | 143.55 | 49.9 | 653.6 | 358.8 | 71.7 | Normal |
| 52 | 11201.0 | 12789.3 | 560.9 | 143.34 | 50.0 | 692.3 | 358.8 | 72.0 | Normal |
| 53 | 11255.5 | 12728.0 | 560.9 | 143.24 | 50.0 | 720.4 | 358.8 | 72.4 | Normal |
| 54 | 11307.9 | 12664.7 | 560.5 | 143.35 | 50.1 | 742.0 | 358.9 | 72.8 | Normal |
| 55 | 11346.4 | 12607.8 | 560.1 | 143.18 | 50.0 | 758.0 | 358.9 | 73.1 | Normal |
| 56 | 11364.5 | 12602.2 | 560.5 | 143.13 | 50.0 | 770.3 | 358.9 | 73.5 | Normal |
| 57 | 11362.2 | 12581.7 | 559.9 | 143.11 | 50.1 | 779.9 | 358.9 | 73.9 | Normal |
| 58 | 11371.4 | 12599.7 | 560.5 | 143.10 | 50.0 | 787.5 | 358.9 | 74.3 | Normal |
| 59 | 11359.2 | 12587.1 | 560.0 | 142.46 | 50.1 | 793.3 | 359.0 | 74.1 | Normal |
| Average | 11005.0 | 8486.1 | 455.9 | 124.46 | 35.9 | 731.7 | 358.9 | 73.2 | Startup |
| Total | 11.0 klb | 7.0 klb | 455.9 | 0.1 klbs | | | | | |

# Calpeak

California

## Midway 1- Hourly Operations Report

October 3, 2024 - Hour 17

| Minute | CT-A Nat Gas Flow lb/hr | CT-B Nat Gas Flow lb/hr | Heat Input Rate mmBtu/hr | NH3 Flow lb/hr | Megawatts | SCR Inlet Temp °F | Stack HSL Temp °F | Shelter Temp °F | Process Status |
|---|---|---|---|---|---|---|---|---|---|
| 00 | 11397.4 | 12566.3 | 560.4 | 142.14 | 50.1 | 797.7 | 358.8 | 73.7 | Normal |
| 01 | 11399.2 | 12473.4 | 558.3 | 142.12 | 50.1 | 801.5 | 358.9 | 73.1 | Normal |
| 02 | 11464.4 | 12431.7 | 558.8 | 142.05 | 50.1 | 805.1 | 358.8 | 72.4 | Normal |
| 03 | 11491.6 | 12431.9 | 559.4 | 142.13 | 50.1 | 808.7 | 358.9 | 71.7 | Normal |
| 04 | 11464.6 | 12429.7 | 558.7 | 142.37 | 50.1 | 811.4 | 358.9 | 70.9 | Normal |
| 05 | 11463.4 | 12425.4 | 558.6 | 142.31 | 50.0 | 813.0 | 358.8 | 70.6 | Normal |
| 06 | 11449.2 | 12425.4 | 558.3 | 142.40 | 50.1 | 814.4 | 358.9 | 71.0 | Normal |
| 07 | 11480.1 | 12408.0 | 558.6 | 142.23 | 50.1 | 815.5 | 358.9 | 71.7 | Normal |
| 08 | 11487.4 | 12407.1 | 558.7 | 142.35 | 50.0 | 816.5 | 358.9 | 72.5 | Normal |
| 09 | 11463.2 | 12401.5 | 558.1 | 142.48 | 50.1 | 817.3 | 358.8 | 73.3 | Normal |
| 10 | 11471.8 | 12424.3 | 558.8 | 140.89 | 50.1 | 818.0 | 358.9 | 74.1 | Normal |
| 11 | 11467.5 | 12423.1 | 558.7 | 140.52 | 50.1 | 818.7 | 358.9 | 74.8 | Normal |
| 12 | 11442.7 | 12415.5 | 557.8 | 138.84 | 50.0 | 819.1 | 358.8 | 75.5 | Normal |
| 13 | 11442.3 | 12428.6 | 558.1 | 138.81 | 50.1 | 819.5 | 358.9 | 76.1 | Normal |
| 14 | 11443.2 | 12392.7 | 557.3 | 138.81 | 50.1 | 819.8 | 358.9 | 76.6 | Normal |
| 15 | 11478.8 | 12422.1 | 558.8 | 138.78 | 50.1 | 819.9 | 358.9 | 77.2 | Normal |
| 16 | 11456.9 | 12411.2 | 558.1 | 137.04 | 50.1 | 820.1 | 358.9 | 77.3 | Normal |
| 17 | 11456.3 | 12404.9 | 558.0 | 135.52 | 50.1 | 820.4 | 358.9 | 76.7 | Normal |
| 18 | 11440.2 | 12418.9 | 557.9 | 134.60 | 50.0 | 820.7 | 358.8 | 75.9 | Normal |
| 19 | 11492.3 | 12398.1 | 558.6 | 131.30 | 50.1 | 821.0 | 359.0 | 74.8 | Normal |
| 20 | 11435.7 | 12407.1 | 557.5 | 130.67 | 50.1 | 821.3 | 358.8 | 73.9 | Normal |
| 21 | 11447.9 | 12396.3 | 557.5 | 126.67 | 50.1 | 821.4 | 358.8 | 72.9 | Normal |
| 22 | 11477.5 | 12418.9 | 558.8 | 126.38 | 50.1 | 821.4 | 358.8 | 72.1 | Normal |
| 23 | 11453.5 | 12403.3 | 557.9 | 122.58 | 50.1 | 821.4 | 358.9 | 71.7 | Normal |
| 24 | 11464.2 | 12404.4 | 558.1 | 122.51 | 50.1 | 821.5 | 358.8 | 72.0 | Normal |
| 25 | 11460.5 | 12421.1 | 558.4 | 122.30 | 50.1 | 821.9 | 358.8 | 72.7 | Normal |
| 26 | 11453.8 | 12405.6 | 558.0 | 122.48 | 50.1 | 822.4 | 358.8 | 73.4 | Normal |
| 27 | 11452.0 | 12406.9 | 557.9 | 122.28 | 50.1 | 822.7 | 358.8 | 74.1 | Normal |
| 28 | 11451.5 | 12396.1 | 557.7 | 122.32 | 50.1 | 823.2 | 358.8 | 74.8 | Normal |
| 29 | 11434.1 | 12409.2 | 557.5 | 122.23 | 50.1 | 823.4 | 358.8 | 75.6 | Normal |
| 30 | 11441.6 | 12397.4 | 557.4 | 122.24 | 50.1 | 823.6 | 358.9 | 76.2 | Normal |
| 31 | 11425.3 | 12377.6 | 556.5 | 122.31 | 50.0 | 823.7 | 358.8 | 76.8 | Normal |
| 32 | 11413.9 | 12413.7 | 557.2 | 122.21 | 50.1 | 823.9 | 358.9 | 77.3 | Normal |
| 33 | 11424.2 | 12359.5 | 556.1 | 122.22 | 50.0 | 824.2 | 358.9 | 77.7 | Normal |
| 34 | 11434.8 | 12363.2 | 556.5 | 122.31 | 50.1 | 824.6 | 358.9 | 77.4 | Normal |

| Minute | CT-A Nat Gas Flow lb/hr | CT-B Nat Gas Flow lb/hr | Heat Input Rate mmBtu/hr | NH3 Flow lb/hr | Megawatts | SCR Inlet Temp °F | Stack HSL Temp °F | Shelter Temp °F | Process Status |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11391.1 | 12372.1 | 555.7 | 122.34 | 50.1 | 824.8 | 358.9 | 76.5 | Normal |
| 36 | 11393.6 | 12374.2 | 555.8 | 119.59 | 50.1 | 824.8 | 358.9 | 75.5 | Normal |
| 37 | 11433.3 | 12364.1 | 556.4 | 117.80 | 50.1 | 824.8 | 358.9 | 74.5 | Normal |
| 38 | 11401.2 | 12377.1 | 556.0 | 117.72 | 50.1 | 824.9 | 358.9 | 73.6 | Normal |
| 39 | 11417.5 | 12355.1 | 555.9 | 117.69 | 50.0 | 825.0 | 358.8 | 72.6 | Normal |
| 40 | 11401.7 | 12351.9 | 555.5 | 117.68 | 50.1 | 824.9 | 358.8 | 71.8 | Normal |
| 41 | 11410.0 | 12349.7 | 555.6 | 117.59 | 50.1 | 824.7 | 358.8 | 71.9 | Normal |
| 42 | 11391.3 | 12361.8 | 555.5 | 117.70 | 50.1 | 824.3 | 358.9 | 72.4 | Normal |
| 43 | 11392.0 | 12340.2 | 554.9 | 117.57 | 50.1 | 823.7 | 358.8 | 73.2 | Normal |
| 44 | 11391.3 | 12354.2 | 555.3 | 117.57 | 50.1 | 823.4 | 358.9 | 73.9 | Normal |
| 45 | 11420.4 | 12341.9 | 555.6 | 117.57 | 50.1 | 823.3 | 358.8 | 74.6 | Normal |
| 46 | 11422.9 | 12358.9 | 556.1 | 117.65 | 50.1 | 823.3 | 358.8 | 75.3 | Normal |
| 47 | 11428.0 | 12348.3 | 556.0 | 117.61 | 50.1 | 823.0 | 358.8 | 76.0 | Normal |
| 48 | 11422.7 | 12348.8 | 555.9 | 117.51 | 50.1 | 822.8 | 358.9 | 76.6 | Normal |
| 49 | 11390.9 | 12361.2 | 555.5 | 117.67 | 50.1 | 822.7 | 358.8 | 77.1 | Normal |
| 50 | 11393.1 | 12366.4 | 555.6 | 117.64 | 50.1 | 823.0 | 358.9 | 77.6 | Normal |
| 51 | 11390.9 | 12346.7 | 555.2 | 117.64 | 50.0 | 823.2 | 358.9 | 77.5 | Normal |
| 52 | 11373.5 | 12358.9 | 555.0 | 117.64 | 50.1 | 823.2 | 358.9 | 76.8 | Normal |
| 53 | 11408.4 | 12345.4 | 555.4 | 117.64 | 50.1 | 822.9 | 358.9 | 75.9 | Normal |
| 54 | 11379.1 | 12356.0 | 555.1 | 117.61 | 50.1 | 822.8 | 358.9 | 74.9 | Normal |
| 55 | 11393.5 | 12362.5 | 555.5 | 117.54 | 50.1 | 822.6 | 358.8 | 73.8 | Normal |
| 56 | 11375.1 | 12357.8 | 555.0 | 117.72 | 50.1 | 822.3 | 358.8 | 72.9 | Normal |
| 57 | 11374.0 | 12332.1 | 554.3 | 117.58 | 50.1 | 822.2 | 358.8 | 72.1 | Normal |
| 58 | 11415.0 | 12336.6 | 555.3 | 117.64 | 50.1 | 822.0 | 358.8 | 72.0 | Normal |
| 59 | 11397.2 | 12317.8 | 554.5 | 117.53 | 50.1 | 821.9 | 358.9 | 72.0 | Normal |
| Average | 11430.5 | 12389.3 | 557.0 | 126.61 | 50.1 | 820.4 | 358.9 | 74.3 | Normal |
| Total | 11.4 klb | 12.4 klb | 557.0 | 0.1 klbs | | | | | |

# Calpeak

California

## Midway 1- Hourly Operations Report

October 3, 2024 - Hour 18

| Minute | CT-A Nat Gas Flow lb/hr | CT-B Nat Gas Flow lb/hr | Heat Input Rate mmBtu/hr | NH3 Flow lb/hr | Megawatts | SCR Inlet Temp °F | Stack HSL Temp °F | Shelter Temp °F | Process Status |
|---|---|---|---|---|---|---|---|---|---|
| 00 | 11378.4 | 12338.6 | 554.6 | 117.63 | 50.1 | 821.9 | 358.8 | 72.3 | Normal |
| 01 | 11387.9 | 12366.1 | 555.5 | 117.62 | 50.1 | 821.9 | 358.8 | 72.6 | Normal |
| 02 | 11394.3 | 12337.5 | 555.0 | 117.65 | 50.1 | 821.8 | 358.8 | 73.0 | Normal |
| 03 | 11346.2 | 12344.2 | 553.9 | 117.61 | 50.1 | 821.5 | 358.8 | 73.3 | Normal |
| 04 | 11375.1 | 12345.3 | 554.6 | 117.57 | 50.1 | 821.1 | 358.8 | 73.6 | Normal |
| 05 | 11385.4 | 12325.9 | 554.5 | 117.66 | 50.1 | 821.2 | 358.9 | 73.9 | Normal |
| 06 | 11374.8 | 12348.7 | 554.8 | 117.64 | 50.1 | 821.1 | 358.9 | 74.3 | Normal |
| 07 | 11374.6 | 12341.8 | 554.6 | 117.58 | 50.1 | 820.8 | 358.9 | 74.6 | Normal |
| 08 | 11406.6 | 12327.5 | 554.9 | 117.67 | 50.1 | 820.7 | 358.8 | 75.0 | Normal |
| 09 | 11383.0 | 12341.1 | 554.7 | 117.68 | 50.1 | 820.6 | 359.0 | 75.1 | Normal |
| 10 | 11388.8 | 12322.5 | 554.4 | 117.53 | 50.1 | 820.2 | 358.9 | 74.9 | Normal |
| 11 | 11413.6 | 12351.0 | 555.8 | 117.51 | 50.1 | 819.7 | 358.8 | 74.4 | Normal |
| 12 | 11355.6 | 12350.7 | 554.4 | 117.58 | 50.1 | 819.5 | 358.9 | 73.9 | Normal |
| 13 | 11405.9 | 12342.2 | 555.3 | 117.71 | 50.1 | 819.4 | 358.9 | 73.2 | Normal |
| 14 | 11374.6 | 12315.8 | 554.0 | 117.71 | 50.1 | 819.3 | 358.8 | 72.4 | Normal |
| 15 | 11377.1 | 12340.8 | 554.6 | 117.55 | 50.1 | 819.3 | 358.8 | 71.9 | Normal |
| 16 | 11394.0 | 12342.0 | 555.0 | 117.60 | 50.1 | 819.1 | 358.8 | 71.7 | Normal |
| 17 | 11355.3 | 12338.6 | 554.0 | 117.64 | 50.1 | 819.2 | 358.8 | 71.7 | Normal |
| 18 | 11379.8 | 12345.1 | 554.7 | 117.51 | 50.1 | 819.3 | 358.8 | 71.9 | Normal |
| 19 | 11369.9 | 12351.7 | 554.8 | 117.61 | 50.1 | 819.2 | 358.8 | 72.2 | Normal |
| 20 | 11358.8 | 12332.0 | 554.0 | 117.56 | 50.1 | 818.8 | 358.8 | 72.5 | Normal |
| 21 | 11398.5 | 12323.1 | 554.6 | 117.56 | 50.1 | 818.5 | 358.8 | 72.8 | Normal |
| 22 | 11395.6 | 12323.4 | 554.6 | 117.57 | 50.1 | 818.3 | 358.8 | 73.1 | Normal |
| 23 | 11381.6 | 12343.1 | 554.8 | 117.61 | 50.1 | 818.3 | 358.8 | 73.4 | Normal |
| 24 | 11392.6 | 12359.1 | 555.4 | 117.53 | 50.1 | 818.2 | 358.8 | 73.8 | Normal |
| 25 | 11383.2 | 12348.5 | 555.0 | 117.49 | 50.1 | 817.9 | 358.8 | 74.2 | Normal |
| 26 | 11393.6 | 12319.4 | 554.5 | 117.53 | 50.1 | 817.9 | 358.8 | 74.5 | Normal |
| 27 | 11384.3 | 12335.7 | 554.6 | 117.57 | 50.0 | 817.8 | 358.9 | 74.8 | Normal |
| 28 | 11348.2 | 12326.9 | 553.5 | 117.60 | 50.1 | 817.8 | 358.9 | 74.9 | Normal |
| 29 | 11364.0 | 12325.5 | 554.0 | 117.62 | 50.1 | 817.8 | 358.8 | 74.3 | Normal |
| 30 | 11363.3 | 12339.9 | 554.3 | 117.53 | 50.1 | 817.6 | 358.8 | 73.6 | Normal |
| 31 | 11382.0 | 12337.5 | 554.7 | 117.41 | 50.1 | 817.6 | 358.9 | 73.1 | Normal |
| 32 | 11395.2 | 12365.9 | 555.7 | 114.25 | 50.1 | 817.7 | 358.8 | 72.5 | Normal |
| 33 | 11383.2 | 12326.6 | 554.4 | 113.00 | 50.1 | 818.1 | 358.7 | 71.7 | Normal |
| 34 | 11382.3 | 12338.4 | 554.7 | 112.91 | 50.1 | 818.0 | 358.8 | 71.5 | Normal |

| Minute | CT-A Nat Gas Flow lb/hr | CT-B Nat Gas Flow lb/hr | Heat Input Rate mmBtu/hr | NH3 Flow lb/hr | Megawatts | SCR Inlet Temp °F | Stack HSL Temp °F | Shelter Temp °F | Process Status |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11393.1 | 12332.9 | 554.8 | 113.00 | 50.1 | 817.7 | 358.8 | 71.5 | Normal |
| 36 | 11383.2 | 12335.2 | 554.6 | 113.09 | 50.0 | 817.6 | 358.8 | 71.6 | Normal |
| 37 | 11413.0 | 12337.4 | 555.4 | 112.99 | 50.0 | 817.1 | 358.8 | 71.8 | Normal |
| 38 | 11370.8 | 12342.9 | 554.5 | 113.07 | 50.1 | 816.9 | 358.8 | 72.1 | Normal |
| 39 | 11390.8 | 12342.9 | 555.0 | 112.95 | 50.1 | 817.2 | 358.8 | 72.4 | Normal |
| 40 | 11392.2 | 12358.6 | 555.4 | 113.01 | 50.1 | 817.5 | 358.8 | 72.7 | Normal |
| 41 | 11376.9 | 12333.2 | 554.5 | 112.91 | 50.1 | 817.8 | 358.8 | 73.0 | Normal |
| 42 | 11391.9 | 12362.0 | 555.5 | 112.88 | 50.1 | 817.8 | 358.8 | 73.3 | Normal |
| 43 | 11358.4 | 12327.5 | 553.9 | 113.05 | 50.1 | 817.9 | 358.8 | 73.7 | Normal |
| 44 | 11368.3 | 12343.6 | 554.5 | 112.94 | 50.1 | 818.0 | 358.8 | 74.0 | Normal |
| 45 | 11373.0 | 12361.6 | 555.1 | 112.92 | 50.1 | 817.9 | 358.8 | 74.3 | Normal |
| 46 | 11381.9 | 12351.7 | 555.1 | 112.93 | 50.0 | 818.0 | 358.8 | 74.7 | Normal |
| 47 | 11379.8 | 12349.4 | 554.9 | 112.86 | 50.1 | 818.2 | 358.8 | 74.9 | Normal |
| 48 | 11390.6 | 12340.8 | 554.9 | 112.95 | 50.1 | 818.2 | 358.8 | 74.5 | Normal |
| 49 | 11361.7 | 12328.6 | 554.0 | 112.82 | 50.0 | 818.0 | 358.8 | 73.9 | Normal |
| 50 | 11373.0 | 12334.3 | 554.4 | 112.77 | 50.0 | 817.9 | 358.8 | 73.0 | Normal |
| 51 | 11402.1 | 12325.5 | 554.8 | 112.79 | 50.1 | 817.6 | 358.8 | 72.0 | Normal |
| 52 | 11393.7 | 12337.5 | 554.9 | 112.87 | 50.1 | 817.3 | 358.8 | 71.3 | Normal |
| 53 | 11377.1 | 12339.7 | 554.6 | 112.94 | 50.1 | 817.2 | 358.8 | 71.3 | Normal |
| 54 | 11361.3 | 12339.0 | 554.2 | 112.85 | 50.1 | 817.2 | 358.8 | 71.9 | Normal |
| 55 | 11395.2 | 12345.4 | 555.1 | 112.78 | 50.1 | 817.0 | 358.8 | 72.5 | Normal |
| 56 | 11373.0 | 12347.0 | 554.8 | 112.70 | 50.1 | 816.8 | 358.8 | 73.2 | Normal |
| 57 | 11391.7 | 12324.8 | 554.6 | 112.78 | 50.1 | 816.8 | 358.8 | 73.9 | Normal |
| 58 | 11372.1 | 12322.4 | 554.1 | 112.72 | 50.1 | 816.8 | 358.8 | 74.6 | Normal |
| 59 | 11350.2 | 12330.3 | 553.7 | 112.75 | 50.0 | 817.0 | 358.8 | 75.2 | Normal |
| Average | 11380.7 | 12339.3 | 554.6 | 115.42 | 50.1 | 818.6 | 358.8 | 73.2 | Normal |
| Total | 11.4 klb | 12.3 klb | 554.6 | 0.1 klbs | | | | | |

# Calpeak

California

## Midway 1- Hourly Operations Report

October 3, 2024 - Hour 19

| Minute | CT-A Nat Gas Flow lb/hr | CT-B Nat Gas Flow lb/hr | Heat Input Rate mmBtu/hr | NH3 Flow lb/hr | Megawatts | SCR Inlet Temp °F | Stack HSL Temp °F | Shelter Temp °F | Process Status |
|---|---|---|---|---|---|---|---|---|---|
| 00 | 11369.6 | 12324.2 | 554.1 | 112.73 | 50.0 | 817.0 | 358.8 | 75.8 | Normal |
| 01 | 11374.4 | 12326.2 | 554.2 | 112.78 | 50.1 | 816.8 | 358.8 | 76.3 | Normal |
| 02 | 11387.4 | 12340.3 | 554.8 | 112.78 | 50.1 | 816.6 | 358.8 | 76.8 | Normal |
| 03 | 11405.7 | 12329.1 | 555.0 | 112.82 | 50.0 | 816.4 | 358.8 | 77.3 | Normal |
| 04 | 11364.7 | 12317.6 | 553.8 | 112.51 | 50.1 | 816.3 | 358.9 | 77.6 | Normal |
| 05 | 11342.8 | 12347.8 | 554.0 | 112.73 | 50.0 | 816.3 | 358.8 | 77.1 | Normal |
| 06 | 11399.7 | 12313.6 | 554.5 | 112.77 | 50.1 | 816.4 | 358.8 | 76.1 | Normal |
| 07 | 11377.3 | 12335.7 | 554.5 | 112.93 | 50.1 | 816.2 | 358.8 | 75.1 | Normal |
| 08 | 11375.1 | 12311.7 | 553.9 | 112.67 | 50.1 | 816.2 | 358.9 | 74.2 | Normal |
| 09 | 11378.3 | 12322.4 | 554.2 | 112.78 | 50.1 | 816.1 | 358.8 | 73.2 | Normal |
| 10 | 11351.2 | 12328.9 | 553.7 | 112.79 | 50.0 | 815.8 | 358.9 | 72.5 | Normal |
| 11 | 11368.8 | 12319.2 | 553.9 | 112.83 | 50.1 | 815.8 | 358.7 | 72.3 | Normal |
| 12 | 11373.3 | 12313.6 | 553.9 | 112.70 | 50.1 | 815.7 | 358.8 | 72.7 | Normal |
| 13 | 11380.9 | 12328.2 | 554.4 | 112.80 | 50.1 | 815.6 | 358.8 | 73.2 | Normal |
| 14 | 11380.0 | 12341.5 | 554.6 | 112.79 | 50.1 | 815.6 | 358.8 | 73.9 | Normal |
| 15 | 11401.5 | 12337.9 | 555.1 | 112.75 | 50.1 | 815.7 | 358.8 | 74.5 | Normal |
| 16 | 11351.8 | 12334.7 | 553.8 | 112.76 | 50.0 | 815.8 | 358.8 | 75.1 | Normal |
| 17 | 11354.7 | 12336.3 | 553.9 | 112.76 | 50.1 | 815.8 | 358.9 | 75.7 | Normal |
| 18 | 11392.9 | 12343.5 | 555.0 | 112.82 | 50.1 | 815.6 | 358.7 | 76.2 | Normal |
| 19 | 11371.9 | 12341.3 | 554.5 | 112.69 | 50.1 | 815.6 | 358.8 | 76.7 | Normal |
| 20 | 11360.6 | 12344.9 | 554.3 | 112.70 | 50.1 | 815.4 | 358.8 | 77.2 | Normal |
| 21 | 11406.0 | 12358.4 | 555.7 | 112.73 | 50.1 | 815.4 | 358.8 | 77.6 | Normal |
| 22 | 11372.2 | 12337.4 | 554.5 | 112.82 | 50.1 | 815.6 | 358.9 | 78.0 | Normal |
| 23 | 11367.8 | 12328.0 | 554.1 | 112.66 | 50.0 | 815.6 | 358.8 | 77.3 | Normal |
| 24 | 11381.4 | 12327.3 | 554.4 | 112.75 | 50.1 | 815.8 | 358.8 | 76.3 | Normal |
| 25 | 11386.8 | 12331.6 | 554.6 | 112.71 | 50.1 | 815.9 | 358.8 | 75.1 | Normal |
| 26 | 11395.5 | 12340.0 | 555.0 | 112.78 | 50.1 | 815.7 | 358.8 | 74.0 | Normal |
| 27 | 11399.0 | 12358.0 | 555.6 | 112.83 | 50.1 | 815.8 | 358.8 | 72.8 | Normal |
| 28 | 11372.1 | 12330.7 | 554.3 | 112.75 | 50.1 | 816.1 | 358.8 | 72.0 | Normal |
| 29 | 11350.5 | 12336.8 | 553.8 | 112.84 | 50.1 | 816.5 | 358.8 | 71.9 | Normal |
| 30 | 10955.2 | 12031.3 | 537.5 | 112.70 | 47.9 | 816.5 | 358.7 | 72.4 | Normal |
| 31 | 8744.2 | 9580.8 | 428.5 | 112.74 | 36.0 | 815.7 | 358.8 | 73.0 | Normal |
| 32 | 6959.8 | 7615.5 | 340.9 | 112.80 | 26.4 | 809.6 | 358.8 | 73.6 | Shutdown |
| 33 | 5438.4 | 5885.1 | 264.9 | 112.85 | 17.7 | 796.0 | 358.8 | 74.3 | Shutdown |
| 34 | 4080.5 | 4417.8 | 198.7 | 112.90 | 10.8 | 774.8 | 358.8 | 75.0 | Shutdown |

| Minute | CT-A Nat Gas Flow lb/hr | CT-B Nat Gas Flow lb/hr | Heat Input Rate mmBtu/hr | NH3 Flow lb/hr | Megawatts | SCR Inlet Temp °F | Stack HSL Temp °F | Shelter Temp °F | Process Status |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 2265.1 | 2447.5 | 110.1 | 112.88 | 2.3 | 747.4 | 358.9 | 75.5 | Shutdown |
| 36 | 1472.2 | 1555.2 | 70.7 | 113.16 | 0.0 | 718.4 | 358.9 | 76.1 | Shutdown |
| 37 | 1373.2 | 1439.5 | 65.8 | 113.21 | 0.0 | 690.0 | 358.8 | 76.6 | Shutdown |
| 38 | 1401.4 | 1458.7 | 66.9 | 113.13 | 0.0 | 663.6 | 358.8 | 77.1 | Shutdown |
| 39 | 1418.3 | 1469.5 | 67.5 | 113.29 | 0.0 | 640.8 | 358.8 | 77.5 | Shutdown |
| 40 | 1411.5 | 1476.0 | 67.5 | 113.20 | 0.0 | 619.8 | 358.8 | 77.9 | Shutdown |
| 41 | **Down** | **Down** | **Down** | **Down** | **Down** | 601.2 | 358.9 | 77.8 | Down |
| 42 | **Down** | **Down** | **Down** | **Down** | **Down** | 584.0 | 354.6 | 77.0 | Down |
| 43 | **Down** | **Down** | **Down** | **Down** | **Down** | 560.5 | 344.7 | 76.0 | Down |
| 44 | **Down** | **Down** | **Down** | **Down** | **Down** | 538.5 | 334.5 | 74.9 | Down |
| 45 | **Down** | **Down** | **Down** | **Down** | **Down** | 514.6 | 325.0 | 73.9 | Down |
| 46 | **Down** | **Down** | **Down** | **Down** | **Down** | 490.7 | 315.9 | 73.0 | Down |
| 47 | **Down** | **Down** | **Down** | **Down** | **Down** | 474.9 | 306.5 | 72.6 | Down |
| 48 | **Down** | **Down** | **Down** | **Down** | **Down** | 465.4 | 297.4 | 72.5 | Down |
| 49 | **Down** | **Down** | **Down** | **Down** | **Down** | 457.5 | 288.8 | 72.5 | Down |
| 50 | **Down** | **Down** | **Down** | **Down** | **Down** | 452.1 | 280.7 | 72.6 | Down |
| 51 | **Down** | **Down** | **Down** | **Down** | **Down** | 448.7 | 272.9 | 72.8 | Down |
| 52 | **Down** | **Down** | **Down** | **Down** | **Down** | 446.8 | 265.4 | 73.0 | Down |
| 53 | **Down** | **Down** | **Down** | **Down** | **Down** | 446.1 | 258.3 | 73.2 | Down |
| 54 | **Down** | **Down** | **Down** | **Down** | **Down** | 446.3 | 251.5 | 73.5 | Down |
| 55 | **Down** | **Down** | **Down** | **Down** | **Down** | 447.0 | 245.0 | 73.8 | Down |
| 56 | **Down** | **Down** | **Down** | **Down** | **Down** | 448.0 | 238.8 | 74.1 | Down |
| 57 | **Down** | **Down** | **Down** | **Down** | **Down** | 449.3 | 232.8 | 74.4 | Down |
| 58 | **Down** | **Down** | **Down** | **Down** | **Down** | 450.6 | 227.0 | 74.7 | Down |
| 59 | **Down** | **Down** | **Down** | **Down** | **Down** | 451.9 | 221.5 | 75.0 | Down |
| Average | 9434.5 | 10228.4 | 459.8 | 112.82 | 40.1 | 695.8 | 335.5 | 74.8 | Shutdown |
| Total | 6.4 klb | 7.0 klb | 312.7 | 0.1 klbs | | | | | |

# Calpeak

California

## Midway 1- Daily Emissions Report

October 3, 2024

**Emission Limits**

| *1-Hr* | *3-Hr Rolling* | *24-Hr Rolling* | *Daily* |
|---|---|---|---|
| NOx ppm @15% O2 - 2.5 | CO ppm @15% O2 - 6 | NH3 Slip ppm @15% O2 - 10 | NOx lbs - 134.6 |
| NOx lbs - 2.8 | CO lbs - 4.19 | NH3 Slip lbs - ERR | CO lbs - 252 |

| Hour | O2% | NOx ppm | NOx ppm @15% O2 | NOx lbs | CO ppm | CO ppm @15% O2 | 3-Hr Rlng CO ppm @15% O2 * | CO lbs | 3-Hr Rlng CO lbs * | NH3 Slip ppm @15% O2 | 24-Hr Rlng NH3 Slip ppm @15% O2 | NH3 Slip lbs | 24-Hr Rlng NH3 lbs | Process Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | 1.6 | 0.0 | 0.4 | **Down** | 0.38 | Down |
| 01 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | 1.6 | 0.0 | 0.4 | **Down** | 0.38 | Down |
| 02 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | 1.6 | 0.0 | 0.4 | **Down** | 0.38 | Down |
| 03 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | 1.6 | 0.0 | 0.4 | **Down** | 0.38 | Down |
| 04 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | 1.6 | 0.0 | 0.4 | **Down** | 0.38 | Down |
| 05 | **DCal** | **DCal** | **DCal** | **DCal** | **DCal** | **DCal** | **Down** | **DCal** | 1.6 | 0.0 | 0.4 | **DCal** | 0.38 | Down |
| 06 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | 1.6 | 0.0 | 0.4 | **Down** | 0.38 | Down |
| 07 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | 1.6 | 0.0 | 0.4 | **Down** | 0.38 | Down |
| 08 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | 1.6 | 0.0 | 0.4 | **Down** | 0.38 | Down |
| 09 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | 1.6 | 0.0 | 0.4 | **Down** | 0.38 | Down |
| 10 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | 1.6 | 0.0 | 0.4 | **Down** | 0.38 | Down |
| 11 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | 1.6 | 0.0 | 0.4 | **Down** | 0.38 | Down |
| 12 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | 1.6 | 0.0 | 0.4 | **Down** | 0.38 | Down |
| 13 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | 1.6 | 0.0 | 0.4 | **Down** | 0.38 | Down |
| 14 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | 1.6 | 0.0 | 0.4 | **Down** | 0.38 | Down |
| 15 | 15.7 | 10.7 | 11.4 | 11.92 | 4.2 | 6.3 | **NSD** | 2.47 | 1.6 | 3.2 | 0.5 | 5.13 | 0.59 | Startup |
| 16 | 16.3 | 4.1 | 4.8 | 8.35 | 2.2 | 2.7 | **NSD** | 2.70 | 1.6 | 12.3 | 1.0 | 10.76 | 0.99 | Startup |
| 17 | 15.8 | 1.3 | 1.5 | 3.11 | 3.1 | 3.6 | 3.1 | 4.48 | 1.6 | 2.7 | 1.1 | 2.71 | 1.10 | Normal |
| 18 | 15.9 | 1.7 | 1.9 | 3.94 | 2.8 | 3.3 | 3.2 | 4.00 | 1.6 | 0.6 | 1.1 | 0.67 | 1.10 | Normal |
| 19 | 16.5 | 1.6 | 2.1 | 2.47 | 2.5 | 3.3 | 3.4 | 2.32 | 1.6 | 5.5 | 1.0 | 6.21 | 1.06 | Shutdown |
| 20 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **NSD** | **Down** | 1.6 | 0.0 | 1.0 | **Down** | 1.06 | Down |
| 21 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **NSD** | **Down** | 1.6 | 0.0 | 1.0 | **Down** | 1.06 | Down |
| 22 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | 1.6 | 0.0 | 1.0 | **Down** | 1.06 | Down |
| 23 | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | 1.6 | 0.0 | 1.0 | **Down** | 1.06 | Down |
| Average | 16.0 | 3.9 | 4 | | 3.0 | 3.8 | | | | 1.0 | | 5.1 | | |
| Total | | | | 29.8 | | | | 16.0 | | | | 25.5 | | |

** - Excluding Startup & Shutdown Emissions*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Midway Peaking

HIGH DESERT POWER PROJECT LLC

www.HIGHDESERTPOWER.com

# FAX

| | | |
|---|---|---|
| TO: SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT | FROM: | HDPP Control Room Remote Control Room for Midway Peaking |
| FAX: 559 230-6061 | FAX: | 760 530-2301 |
| PHONE: 559 230-6000 | PHONE: | 760 530-2323 |
| SUBJECT: BREAKDOWN MIDWAY PEAKING | DATE: 10/03/2024 | |

COMMENTS Midway Peaking at 43627 W. Panoche Rd, Firebaugh, CA 93622

# San Joaquin Valley
## AIR POLLUTION CONTROL DISTRICT

Phone: (559) 230- 6000
Fax: (559) 230- 6061

Breakdown # _____

## Report of Equipment Breakdown

Company Name: Starwood Power- Midway, LLC Phone #: (619) 726- 2410
Permit Number(s): C-7286-1(2) [Midway Unit 1]
Equipment Involved:
Location of Property (Address, Lease, Field, Section, Township, Range):
43627 West Panoche Road,
Firebaugh, CA 93622
Date and Time of Occurrence: 1700 10/3/2024
Date and Time of Discovery: 1700 10/3/2024
Time Corrective Action Commenced: 1700 10/3/2024
Date and Time Corrective Action Successful: 1800 10/3/2024

Estimated Emissions:

| Pollutant | Estimated Emission Rate: | Visible (Yes or No) |
|---|---|---|
| NOx ppm | 4.8 PPM | No |
| | | |
| | | |

Cause of the Occurrence:
Exhaust Cooling Damper failed in the closed position compromizing NOx control.

Measures Taken to Correct this Occurrence and Prevent its Recurrence:
At first Engine was shutdown. Until Damper could be opened. Engine restarted. NOx is now in control

Attach Photographs of Defective Equipment.

*Provide any additional information necessary to establish that this occurrence was the result of an unavoidable failure or malfunction. Rule 1100 – Equipment Breakdown assigns the burden of proof to the source operator seeking exemption from legal action. An exception cannot be granted for an occurrence, which was the result of negligence.*

Initial Notification: Reported By: R. Gonzalez Date: 10/3/2024 1809
Reported To: T. Gilmore Time: 10/3/2024 1809
Phone call made 1813



left Message

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

☐ Northern Region ☒ Central Region ☐ Southern Region

## QUARTERLY CEMS EXCESS EMISSION AND DOWNTIME SUMMARY

1st ☐ JAN - MAR 20___ 3rd ☐ JUL - SEPT 20___

2nd ☐ APR - JUN 20___ 4th ☒ OCT - DEC 2024

Facility Name: Midway Peaking, LLC Permit #: **C-7286-3-4 & -4-4 (Midway 2)**

Location: 43627 West Panoche Rd. City: Firebaugh

AIRS #: _____ NSPS Source?: ☒ Yes ☐ No

Process Equipment Description: 60 MW, simple cycle gas turbine, peaking unit, 611 MMBtu/hr

Pollutants Monitored: ☒ $NO_X$ ☐ $SO_X$ ☒ CO ☐ Opacity ☒ $O_2$ ☐ $CO_2$ ☐ $NH_3$
☐ Other: _____

Total Hours Process Equipment Operated During Quarter: 45

**CEM Unit Information**

| Pollutant | Manufacturer / Model | Serial # | Date Installed | Total Hours CEMS Operated During Qtr |
|---|---|---|---|---|
| $NO_X$ | TAPI 200EM | 375 | Q2 2009 | 61 |
| $SO_X$ | | | | |
| CO | TAPI 300E | 1893 | Q2 2009 | 61 |
| Opacity | | | | |
| $O_2$ | TAPI 300E | 1893 | Q2 2009 | 61 |
| $CO_2$ | | | | |
| $NH_3$ | | | | |
| Other | | | | |
| | | | | |
| | | | | |

**Date of Last Performance Specification Test**

| Pollutant | $NO_X$ | $SO_X$ | CO | Opacity | $O_2$ | $CO_2$ | $NH_3$ | Other |
|---|---|---|---|---|---|---|---|---|
| Date | 10/17/24 | | 10/17/24 | | 10/17/24 | | | |
| Type | ☐ RATA | ☐ RATA | ☐ RATA | ☐ RATA | ☐ RATA | ☐ RATA | ☐ RATA | ☐ RATA |
| | ☒ CGA | ☐ CGA | ☒ CGA | ☐ CGA | ☒ CGA | ☐ CGA | ☐ CGA | ☐ CGA |
| | ☐ Linearity | ☐ Linearity | ☐ Linearity | ☐ Linearity | ☐ Linearity | ☐ Linearity | ☐ Linearity | ☐ Linearity |

| Emission Limits (From Operating Permits) | | | | | | |
|---|---|---|---|---|---|---|
| Pollutant | ppm @ $O_2$% | lb/MMBtu | lb/hr[1] | lb/day[1] | lbs/yr [1]) | NSPS (Subpart KKKK) |
| $NO_X$ | 2.5 | N/A | 2.8/5.6 | 79.8 / 159.6 | 12,736 / 25,742 | 25 |
| $SO_X$ | | | | | | |
| CO | 6.0 | N/A | 4.19/8.38 | 117.6 / 235.2 | 18,826 / 37,652 | N/A |
| Opacity | | | | | | |
| $O_2$ | | | | | | |
| $CO_2$ | | | | | | |
| $NH_3$ | | | | | | |
| Other | | | | | | |

Note 1: Midway Unit 2 has a mass emission limit that applies to a single engine, and a mass emission limit that applies when two engines are in operation, presented above as “one engine / two engines”.

| Excess Emissions Information (Report in Hours) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Pollutant | Start-Up / Shutdown | Process Problems | Breakdown | Other Known | Other Unknown | Total Hrs Excess | Total Op Hrs for Qtr | % Excess |
| $NO_X$ | 0 | 0 | 0 | 0 | 0 | 0 | 61 | 0 |
| $SO_X$ | | | | | | | | |
| CO | 0 | 0 | 0 | 0 | 0 | 0 | 61 | 0 |
| Opacity | | | | | | | | |
| $O_2$ | | | | | | | | |
| $CO_2$ | | | | | | | | |
| $NH_3$ | | | | | | | | |
| Other | | | | | | | | |

Include a summary of all dates, times, and excess emissions that occurred during the reporting period or submit copies of all related breakdown reports and Title V deviations.

Excess emissions caused by a startup after shutdown due to a malfunction should be reported as an excess emission due to an equipment breakdown. The source is not however, exempt from emission limits. All exceedances are to be reported in whole hour increments.

| CEM Downtime Information (Report in Hours) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Pollutant | Monitor Malfunction | Non-Monitor Malfunction | Q/A - Cal | Other | Unknown | Total Hrs Downtime | Total Hrs | % Downtime |
| $NO_X$ | 0 | 0 | 0 | 0 | 0 | 0 | 61 | 0 |
| $SO_X$ | | | | | | | | |
| CO | 0 | 0 | 0 | 0 | 0 | 0 | 61 | 0 |
| Opacity | | | | | | | | |
| $O_2$ | 0 | 0 | 0 | 0 | 0 | 0 | 61 | 0 |
| $CO_2$ | | | | | | | | |
| $NH_3$ | | | | | | | | |
| Other | | | | | | | | |

Include a summary of all downtime dates, times, duration, and activities that occurred during the reporting period or submit copies of all related breakdown reports and Title V deviations.

Non-CEM malfunctions are incidents that result in the CEM system being down but are not associated with a malfunction of the CEM system, i.e. plant power failure.

# 2 Midway NOx/H Linearity

Calpeak

## Test Information

| | |
|---|---|
| **Test Date** | **10/17/2024** |
| Test Reason | |
| Grace Period | No |
| Aborted | No |
| **Result** | **Passed** |

*Unit offline during QA test -- Not valid for 40CFR75*

## Analyzer and Monitor Information

| | |
|---|---|
| Range | High |
| Instrument Span | 250 ppm |
| Component ID | 210 |
| Manufacturer | TELEDYNE |
| Model | M200EM |
| Serial Number | 375 |

| Run | Time | Reference Gas | CEMS Response | | Cylinder Information |
|---|---|---|---|---|---|
| **Low Gas** | | | | | |
| 1 | 11:06 AM | 56.50 | 55.17 | | Allowable Reference Values: 50-75 ppm (20-30% of span) |
| 2 | 11:18 AM | 56.50 | 59.70 | | Cylinder ID: CC751838 |
| 3 | 11:31 AM | 56.50 | 59.86 | | Expiration Date: 11/29/2030 |
| Mean (ppm) | | 56.50 | 58.24 | | EPA Vendor ID: W12022 |
| Difference of means ( \|R-A\| ) (ppm) | | 1.7 | *Limit 5* | *Passed* | Cylinder contains: BALN,CO,NO,NOX |
| Linearity Error (%) | | 3.1 | *Limit 5.0* | *Passed* | |
| **Mid Gas** | | | | | |
| 1 | 11:10 AM | 139.20 | 137.06 | | Allowable Reference Values: 125-150 ppm (50-60% of span) |
| 2 | 11:23 AM | 139.20 | 137.83 | | Cylinder ID: EB0144811 |
| 3 | 11:35 AM | 139.20 | 138.10 | | Expiration Date: 11/29/2030 |
| Mean (ppm) | | 139.20 | 137.66 | | EPA Vendor ID: W12022 |
| Difference of means ( \|R-A\| ) (ppm) | | 1.5 | *Limit 5* | *Passed* | Cylinder contains: BALN,CO,NO,NOX |
| Linearity Error (%) | | 1.1 | *Limit 5.0* | *Passed* | |
| **High Gas** | | | | | |
| 1 | 11:14 AM | 228.00 | 228.78 | | Allowable Reference Values: 200-250 ppm (80-100% of span) |
| 2 | 11:27 AM | 228.00 | 228.95 | | Cylinder ID: EB0166772 |
| 3 | 11:40 AM | 228.00 | 228.90 | | Expiration Date: 1/12/2032 |
| Mean (ppm) | | 228.00 | 228.88 | | EPA Vendor ID: W12024 |
| Difference of means ( \|R-A\| ) (ppm) | | 0.9 | *Limit 5* | *Passed* | Cylinder contains: BALN,CO,NO,NOX |
| Linearity Error (%) | | 0.4 | *Limit 5.0* | *Passed* | |

*Linearity Error (LE) Determination*

*LE (%) = (|R-A| / R) * 100*

*R = Reference gas value*

*A = Mean of actual CEMS responses*

# 2 Midway NOx/L CGA

Calpeak

## Test Information

| | |
|---|---|
| **Test Date** | **10/17/2024** |
| **Result** | **Passed** |

## Analyzer and Monitor Information

| | |
|---|---|
| Range | Low |
| Instrument Span | 10 ppm |
| Manufacturer | TELEDYNE |
| Model | M200EM |
| Serial Number | 375 |

| Run | Time | Reference Gas | CEMS Response | | Cylinder Information |
|---|---|---|---|---|---|
| **Low Gas** | | | | | |
| 1 | 9:23 AM | 2.550 | 2.315 | | Allowable Reference Values: 2-3 ppm (20-30% of span) |
| 2 | 9:32 AM | 2.550 | 2.407 | | |
| 3 | 9:40 AM | 2.550 | 2.413 | | Cylinder ID: CC761028 |
| | Mean (ppm) | 2.550 | 2.378 | | Expiration Date: 12/3/2025 |
| | Difference of means (Cm-Ca) (ppm) | -0.2 | *Limit 2* | *Passed* | EPA Vendor ID: W12022 |
| | CEMS Accuracy (%) | -6.7 | *Limit 15* | *Passed* | Cylinder contains: BALN,CO,NO,NOX |
| **Mid Gas** | | | | | |
| 1 | 9:28 AM | 5.530 | 5.373 | | Allowable Reference Values: 5-6 ppm (50-60% of span) |
| 2 | 9:36 AM | 5.530 | 5.400 | | |
| 3 | 9:45 AM | 5.530 | 5.381 | | Cylinder ID: CC761027 |
| | Mean (ppm) | 5.530 | 5.385 | | Expiration Date: 12/3/2025 |
| | Difference of means (Cm-Ca) (ppm) | -0.1 | *Limit 2* | *Passed* | EPA Vendor ID: W12022 |
| | CEMS Accuracy (%) | -2.6 | *Limit 15* | *Passed* | Cylinder contains: BALN,CO,NO,NOX |

*CEMS Accuracy Determination (%)*

*Accuracy (%) = ((Cm - Ca) / Ca) * 100*

*Ca = Reference gas value*

*Cm = Mean of actual CEMS responses*

# 2 Midway CO/H CGA

Calpeak

## Test Information

| | |
|---|---|
| **Test Date** | **10/17/2024** |
| **Result** | **Passed** |

## Analyzer and Monitor Information

| | |
|---|---|
| Range | High |
| Instrument Span | 1000 ppm |
| Manufacturer | TELEDYNE |
| Model | M300E |
| Serial Number | 1893 |

| Run | Time | Reference Gas | CEMS Response | | Cylinder Information |
|---|---|---|---|---|---|
| **Low Gas** | | | | | |
| 1 | 11:06 AM | 276.700 | 276.640 | | Allowable Reference Values: 200-300 ppm (20-30% of span) |
| 2 | 11:18 AM | 276.700 | 276.816 | | |
| 3 | 11:31 AM | 276.700 | 279.259 | | Cylinder ID: CC751838 |
| | Mean (ppm) | 276.700 | 277.572 | | Expiration Date: 11/29/2030 |
| | Difference of means (Cm-Ca) (ppm) | 0.9 | *Limit 5* | *Passed* | EPA Vendor ID: W12022 |
| | CEMS Accuracy (%) | 0.3 | *Limit 15* | *Passed* | Cylinder contains: BALN,CO,NO,NOX |
| **Mid Gas** | | | | | |
| 1 | 11:10 AM | 551.000 | 544.897 | | Allowable Reference Values: 500-600 ppm (50-60% of span) |
| 2 | 11:23 AM | 551.000 | 542.749 | | |
| 3 | 11:35 AM | 551.000 | 546.446 | | Cylinder ID: EB0144811 |
| | Mean (ppm) | 551.000 | 544.697 | | Expiration Date: 11/29/2030 |
| | Difference of means (Cm-Ca) (ppm) | -6.3 | *Limit 5* | | EPA Vendor ID: W12022 |
| | CEMS Accuracy (%) | -1.1 | *Limit 15* | *Passed* | Cylinder contains: BALN,CO,NO,NOX |

*CEMS Accuracy Determination (%)*

*Accuracy (%) = ((Cm - Ca) / Ca) * 100*

*Ca = Reference gas value*

*Cm = Mean of actual CEMS responses*

# 2 Midway CO/L CGA

Calpeak

## Test Information

| | |
|---|---|
| **Test Date** | **10/17/2024** |
| **Result** | **Passed** |

## Analyzer and Monitor Information

| | |
|---|---|
| Range | Low |
| Instrument Span | 20 ppm |
| Manufacturer | TELEDYNE |
| Model | M300E |
| Serial Number | 1893 |

### Low Gas

| Run | Time | Reference Gas | CEMS Response | | Cylinder Information |
|---|---|---|---|---|---|
| 1 | 9:23 AM | 4.880 | 4.890 | | Allowable Reference Values: 4-6 ppm (20-30% of span) |
| 2 | 9:32 AM | 4.880 | 4.904 | | |
| 3 | 9:40 AM | 4.880 | 4.940 | | Cylinder ID: CC761028 |
| | Mean (ppm) | 4.880 | 4.911 | | Expiration Date: 12/3/2025 |
| | Difference of means (Cm-Ca) (ppm) | 0.0 | *Limit 2* | *Passed* | EPA Vendor ID: W12022 |
| | CEMS Accuracy (%) | 0.6 | *Limit 15* | *Passed* | Cylinder contains: BALN,CO,NO,NOX |

### Mid Gas

| Run | Time | Reference Gas | CEMS Response | | Cylinder Information |
|---|---|---|---|---|---|
| 1 | 9:28 AM | 10.900 | 10.925 | | Allowable Reference Values: 10-12 ppm (50-60% of span) |
| 2 | 9:36 AM | 10.900 | 11.028 | | |
| 3 | 9:45 AM | 10.900 | 10.891 | | Cylinder ID: CC761027 |
| | Mean (ppm) | 10.900 | 10.948 | | Expiration Date: 12/3/2025 |
| | Difference of means (Cm-Ca) (ppm) | 0.0 | *Limit 2* | *Passed* | EPA Vendor ID: W12022 |
| | CEMS Accuracy (%) | 0.4 | *Limit 15* | *Passed* | Cylinder contains: BALN,CO,NO,NOX |

*CEMS Accuracy Determination (%)*

*Accuracy (%) = ((Cm - Ca) / Ca) * 100*

*Ca = Reference gas value*

*Cm = Mean of actual CEMS responses*

# 2 Midway O2 Linearity

Calpeak

## Test Information

| | |
|---|---|
| **Test Date** | **10/17/2024** |
| Test Reason | |
| Grace Period | No |
| Aborted | No |
| **Result** | **Passed** |

*Unit offline during QA test -- Not valid for 40CFR75*

## Analyzer and Monitor Information

| | |
|---|---|
| Range | Single Scale |
| Instrument Span | 21 %O2 |
| Component ID | 220 |
| Manufacturer | TELEDYNE |
| Model | M300E |
| Serial Number | 1893 |

| Run | Time | Reference Gas | CEMS Response | | Cylinder Information |
|---|---|---|---|---|---|
| **Low Gas** | | | | | |
| 1 | 11:58 AM | 5.470 | 5.484 | | |
| 2 | 12:07 PM | 5.470 | 5.493 | | Allowable Reference Values: 4.2-6.3 %O2 (20-30% of span) |
| 3 | 12:16 PM | 5.470 | 5.507 | | |
| | Mean (%O2) | 5.470 | 5.495 | | Cylinder ID: CC181315 |
| | Difference of means ( \|R-A\| ) (%O2) | 0.0 | *Limit 0.5* | *Passed* | Expiration Date: 11/19/2030 |
| | Linearity Error (%) | 0.5 | *Limit 5.0* | *Passed* | EPA Vendor ID: W12022 |
| | | | | | Cylinder contains: O2,BALN |
| **Mid Gas** | | | | | |
| 1 | 12:01 PM | 11.640 | 11.665 | | Allowable Reference Values: 10.5-12.6 %O2 (50-60% of span) |
| 2 | 12:10 PM | 11.640 | 11.670 | | |
| 3 | 12:19 PM | 11.640 | 11.667 | | |
| | Mean (%O2) | 11.640 | 11.667 | | Cylinder ID: CC462060 |
| | Difference of means ( \|R-A\| ) (%O2) | 0.0 | *Limit 0.5* | *Passed* | Expiration Date: 11/19/2030 |
| | Linearity Error (%) | 0.2 | *Limit 5.0* | *Passed* | EPA Vendor ID: W12022 |
| | | | | | Cylinder contains: O2,BALN |
| **High Gas** | | | | | |
| 1 | 12:04 PM | 19.020 | 19.117 | | Allowable Reference Values: 16.8-21 %O2 (80-100% of span) |
| 2 | 12:13 PM | 19.020 | 19.131 | | |
| 3 | 12:22 PM | 19.020 | 19.122 | | |
| | Mean (%O2) | 19.020 | 19.123 | | Cylinder ID: CC755990 |
| | Difference of means ( \|R-A\| ) (%O2) | 0.1 | *Limit 0.5* | *Passed* | Expiration Date: 6/18/2032 |
| | Linearity Error (%) | 0.5 | *Limit 5.0* | *Passed* | EPA Vendor ID: W12024 |
| | | | | | Cylinder contains: O2,BALN |

*Linearity Error (LE) Determination*

*LE (%) = (|R-A| / R) * 100*

*R = Reference gas value*

*A = Mean of actual CEMS responses*

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx ppm @15% O2 1-Hr

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of NOx ppm @15% O2 1-Hr excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx ppm @15% O2 4-Hr (Subpart KKKK)

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of NOx ppm @15% O2 4-Hr (Subpart KKKK) excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx Lb/hr Per S/U

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 8 hours, 12 minutes |
| Duration of NOx Lb/hr Per S/U excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx Lb/hr Per S/D

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 2 hours, 35 minutes |
| Duration of NOx Lb/hr Per S/D excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: Normal Ops NOx lbs 1-Hr

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of Normal Ops NOx lbs 1-Hr excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx lbs/Day

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of NOx lbs/Day excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: CO ppm @15% O2 3-Hr Rolling

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of CO ppm @15% O2 3-Hr Rolling excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: CO Lb/hr Per S/U

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 8 hours, 12 minutes |
| Duration of CO Lb/hr Per S/U excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: CO Lb/hr Per S/D

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 2 hours, 35 minutes |
| Duration of CO Lb/hr Per S/D excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: Normal Ops CO lbs 3-Hr Rolling

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of Normal Ops CO lbs 3-Hr Rolling excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: CO lbs/Day

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of CO lbs/Day excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway CEMS Downtime Summary

Calpeak

CEMS Downtime for 10/1/2024 thru 12/31/2024: NOx ppm @15% O2

| Reason | Duration |
|---|---|
| *There are no CEMS downtimes for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of NOx ppm @15% O2 monitor downtime | 0 |
| Percent monitor downtime | 0.0% |
| Source operating time with valid data | 61 hours |
| Percent monitor availability | 100.0% |

# 2 Midway CEMS Downtime Summary

Calpeak

CEMS Downtime for 10/1/2024 thru 12/31/2024: NOx lbs

| Reason | Duration |
|---|---|
| *There are no CEMS downtimes for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of NOx lbs monitor downtime | 0 |
| Percent monitor downtime | 0.0% |
| Source operating time with valid data | 61 hours |
| Percent monitor availability | 100.0% |

# 2 Midway CEMS Downtime Summary

Calpeak

CEMS Downtime for 10/1/2024 thru 12/31/2024: CO ppm @15% O2

| Reason | Duration |
|---|---|
| *There are no CEMS downtimes for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of CO ppm @15% O2 monitor downtime | 0 |
| Percent monitor downtime | 0.0% |
| Source operating time with valid data | 61 hours |
| Percent monitor availability | 100.0% |

# 2 Midway CEMS Downtime Summary

Calpeak

CEMS Downtime for 10/1/2024 thru 12/31/2024: CO lbs

| Reason | Duration |
|---|---|
| *There are no CEMS downtimes for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of CO lbs monitor downtime | 0 |
| Percent monitor downtime | 0.0% |
| Source operating time with valid data | 61 hours |
| Percent monitor availability | 100.0% |

# Attachment 3

## CEMS DAHS Excess Emission Reports

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx ppm @15% O2 1-Hr

| Reason | Duration |
|---|---|
| Other Known Causes (excess) | 1 hour |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of NOx ppm @15% O2 1-Hr excess emissions | 1 hour |
| Source operating time with excess emissions | 1.3% |

# 1 Midway Excess Emissions

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx ppm @15% O2 1-Hr

| Parameter | Start | End | Duration | Value | Min | Max | Limit | Reason | Action |
|---|---|---|---|---|---|---|---|---|---|
| NOx ppm @15% O2 1-Hr | 10/3/2024 4:00 PM | 4:59 PM | 1 hour | 6.1 | 6.1 | 6.1 | 2.50 | Other Known Causes (excess) | Troubleshoot & Repair |
| Total duration | | | 1 hour | | | | | | |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx ppm @15% O2 4-Hr (Subpart KKKK)

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of NOx ppm @15% O2 4-Hr (Subpart KKKK) excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx Lb/hr Per S/U

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 11 hours, 12 minutes |
| Duration of NOx Lb/hr Per S/U excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx Lb/hr Per S/D

| Reason | Duration |
|---|---|
| Other Known Causes (excess) | 2 minutes |

| | |
|---|---|
| Source operating time | 3 hours, 43 minutes |
| Duration of NOx Lb/hr Per S/D excess emissions | 2 minutes |
| Source operating time with excess emissions | 0.9% |

# 1 Midway Excess Emissions

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx Lb/hr Per S/D

| Parameter | Start | End | Duration | Value | Min | Max | Limit | Reason | Action |
|---|---|---|---|---|---|---|---|---|---|
| NOx Lb/hr Per S/D | 10/3/2024 4:09 PM | 4:09 PM | 1 minute | 3.61 | 3.61 | 3.61 | 3.00 | Other Known Causes (excess) | Troubleshoot & Repair |
| NOx Lb/hr Per S/D | 10/3/2024 4:34 PM | 4:34 PM | 1 minute | 2.40 | 2.40 | 2.40 | 1.50 | Other Known Causes (excess) | Troubleshoot & Repair |
| Total duration | | | 2 minutes | | | | | | |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: Normal Ops NOx lbs 1-Hr

| Reason | Duration |
|---|---|
| Other Known Causes (excess) | 1 hour |
| Source operating time | 75 hours |
| Duration of Normal Ops NOx lbs 1-Hr excess emissions | 1 hour |
| Source operating time with excess emissions | 1.3% |

# 1 Midway Excess Emissions

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: Normal Ops NOx lbs 1-Hr

| Parameter | Start | End | Duration | Value | Min | Max | Limit | Reason | Action |
|---|---|---|---|---|---|---|---|---|---|
| Normal Ops NOx lbs 1-Hr | 10/3/2024 4:00 PM | 4:59 PM | 1 hour | 7.34 | 7.34 | 7.34 | 5.60 | Other Known Causes (excess) | Troubleshoot & Repair |
| Total duration | | | 1 hour | | | | | | |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx lbs/Day

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of NOx lbs/Day excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: SOx Lb/hr Per S/U

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 11 hours, 12 minutes |
| Duration of SOx Lb/hr Per S/U excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: SOx Lb/hr Per S/D

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 3 hours, 43 minutes |
| Duration of SOx Lb/hr Per S/D excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: Normal Ops SOx lbs 3-Hr Rolling

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of Normal Ops SOx lbs 3-Hr Rolling excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: SOx lbs/Day

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of SOx lbs/Day excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: CO ppm @15% O2 3-Hr Rolling

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of CO ppm @15% O2 3-Hr Rolling excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: CO Lb/hr Per S/U

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 11 hours, 12 minutes |
| Duration of CO Lb/hr Per S/U excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: CO Lb/hr Per S/D

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 3 hours, 43 minutes |
| Duration of CO Lb/hr Per S/D excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: Normal Ops CO lbs 3-Hr Rolling

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of Normal Ops CO lbs 3-Hr Rolling excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: CO lbs/Day

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of CO lbs/Day excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: PM Lb/hr Per S/U

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 11 hours, 12 minutes |
| Duration of PM Lb/hr Per S/U excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: PM Lb/hr Per S/D

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 3 hours, 43 minutes |
| Duration of PM Lb/hr Per S/D excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: Normal Ops PM lbs 3-Hr Rolling

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of Normal Ops PM lbs 3-Hr Rolling excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: PM lbs/Day

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of PM lbs/Day excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NH3 Slip ppm @ 15% O2 24-Hr Rolling Avg

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of NH3 Slip ppm @ 15% O2 24-Hr Rolling Avg excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: VOC Lb/hr Per S/U

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 11 hours, 12 minutes |
| Duration of VOC Lb/hr Per S/U excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: VOC Lb/hr Per S/D

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 3 hours, 43 minutes |
| Duration of VOC Lb/hr Per S/D excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: Normal Ops VOC lbs 3-Hr Rolling

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of Normal Ops VOC lbs 3-Hr Rolling excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 1 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: VOC lbs/Day

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 75 hours |
| Duration of VOC lbs/Day excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx ppm @15% O2 1-Hr

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of NOx ppm @15% O2 1-Hr excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx ppm @15% O2 4-Hr (Subpart KKKK)

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of NOx ppm @15% O2 4-Hr (Subpart KKKK) excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx Lb/hr Per S/U

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 8 hours, 12 minutes |
| Duration of NOx Lb/hr Per S/U excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx Lb/hr Per S/D

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 2 hours, 35 minutes |
| Duration of NOx Lb/hr Per S/D excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: Normal Ops NOx lbs 1-Hr

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of Normal Ops NOx lbs 1-Hr excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NOx lbs/Day

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of NOx lbs/Day excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: SOx Lb/hr Per S/U

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 8 hours, 12 minutes |
| Duration of SOx Lb/hr Per S/U excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: SOx Lb/hr Per S/D

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 2 hours, 35 minutes |
| Duration of SOx Lb/hr Per S/D excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: Normal Ops SOx lbs 3-Hr Rolling

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of Normal Ops SOx lbs 3-Hr Rolling excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: SOx lbs/Day

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of SOx lbs/Day excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: CO ppm @15% O2 3-Hr Rolling

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of CO ppm @15% O2 3-Hr Rolling excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: CO Lb/hr Per S/U

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 8 hours, 12 minutes |
| Duration of CO Lb/hr Per S/U excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: CO Lb/hr Per S/D

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 2 hours, 35 minutes |
| Duration of CO Lb/hr Per S/D excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: Normal Ops CO lbs 3-Hr Rolling

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of Normal Ops CO lbs 3-Hr Rolling excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: CO lbs/Day

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of CO lbs/Day excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: PM Lb/hr Per S/U

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 8 hours, 12 minutes |
| Duration of PM Lb/hr Per S/U excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: PM Lb/hr Per S/D

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 2 hours, 35 minutes |
| Duration of PM Lb/hr Per S/D excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: Normal Ops PM lbs 3-Hr Rolling

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of Normal Ops PM lbs 3-Hr Rolling excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: PM lbs/Day

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of PM lbs/Day excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: NH3 Slip ppm @ 15% O2 24-Hr Rolling Avg

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of NH3 Slip ppm @ 15% O2 24-Hr Rolling Avg excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: VOC Lb/hr Per S/U

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 8 hours, 12 minutes |
| Duration of VOC Lb/hr Per S/U excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: VOC Lb/hr Per S/D

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 2 hours, 35 minutes |
| Duration of VOC Lb/hr Per S/D excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: Normal Ops VOC lbs 3-Hr Rolling

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of Normal Ops VOC lbs 3-Hr Rolling excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# 2 Midway Excess Emissions Summary

Calpeak

Excess Emissions for 10/1/2024 thru 12/31/2024: VOC lbs/Day

| Reason | Duration |
|---|---|
| *There are no excess emissions for this report.* | |

| | |
|---|---|
| Source operating time | 61 hours |
| Duration of VOC lbs/Day excess emissions | 0 |
| Source operating time with excess emissions | 0.0% |

# Attachment 4

## Unit Operating Hours

# Midway Peaking, LLC

Firebaugh, CA

## Midway Condition 17

2024

| Quarter | Limit |
|---|---|
| 1 | 800 |
| 2 | 800 |
| 3 | 1400 |
| 4 | 1000 |

Limit is per Turbine

| Month | Unit 1A CT-A Nat Gas On-Time Monthly Total | Unit 1B CT-B Nat Gas On-Time Monthly Total | Unit 2A CT-A Nat Gas On-Time Monthly Total | Unit 2B CT-B Nat Gas On-Time Monthly Total |
|---|---|---|---|---|
| 01 2024 | 18.6 | 18.4 | 18.5 | 18.4 |
| 02 2024 | 8.3 | 6.3 | 6.6 | 6.5 |
| 03 2024 | 0.0 | 0.0 | 0.0 | 0.0 |
| 04 2024 | 1.5 | 1.3 | 6.3 | 3.6 |
| 05 2024 | 17.1 | 4.9 | 3.4 | 1.4 |
| 06 2024 | 11.6 | 10.5 | 9.5 | 8.3 |
| 07 2024 | 48.3 | 47.0 | 46.9 | 46.1 |
| 08 2024 | 13.1 | 12.9 | 13.7 | 13.2 |
| 09 2024 | 10.8 | 10.5 | 10.9 | 10.5 |
| 10 2024 | 33.3 | 32.6 | 29.1 | 29.4 |
| 11 2024 | 17.5 | 16.9 | 11.4 | 11.1 |
| 12 2024 | 5.7 | 5.5 | 3.1 | 3.0 |
| Total | 186 | 167 | 159 | 152 |

# Attachment 5

## Annual Emissions Summary

# Midway Peaking, LLC

Firebaugh, CA

## Midway Condition 18 and 19 U1

December 2024 12-Month Rolling

| Parameter | Limit lb/yr per Turbine | Limit lb/yr perUnit | Limit lb/yr for Facility |
|---|---|---|---|
| NOx | 12,736 | 25,742 | 50,000 |
| CO | 18,826 | 37,652 | |
| VOC | 3,281 | 6,562 | |
| PM10 | 7,400 | 14,800 | |
| SOx | 3,560 | 7,120 | |

| Month | CT-A NOx lbs 12-Month Rolling Total | CT-B NOx lbs 12-Month Rolling Total | CT-A CO lbs 12-Month Rolling Total | CT-B CO lbs 12-Month Rolling Total | CT-A VOC lbs 12-Month Rolling Total | CT-B VOC lbs 12-Month Rolling Total | CT-A PM lbs 12-Month Rolling Total | CT-B PM lbs 12-Month Rolling Total | CT-A SOx lbs 12-Month Rolling Total | CT-B SOx lbs 12-Month Rolling Total |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 2024 | 551 | 625 | 488 | 536 | 37 | 44 | 180 | 207 | 48 | 54 |
| 02 2024 | 578 | 601 | 455 | 491 | 35 | 40 | 171 | 191 | 46 | 50 |
| 03 2024 | 519 | 504 | 390 | 412 | 30 | 32 | 149 | 154 | 40 | 41 |
| 04 2024 | 347 | 328 | 251 | 263 | 19 | 20 | 94 | 97 | 25 | 26 |
| 05 2024 | 392 | 343 | 260 | 264 | 23 | 20 | 110 | 100 | 29 | 26 |
| 06 2024 | 424 | 371 | 271 | 273 | 24 | 21 | 118 | 107 | 31 | 28 |
| 07 2024 | 560 | 500 | 371 | 370 | 32 | 29 | 156 | 146 | 40 | 38 |
| 08 2024 | 580 | 521 | 381 | 380 | 33 | 30 | 159 | 149 | 40 | 38 |
| 09 2024 | 622 | 562 | 404 | 402 | 35 | 32 | 170 | 160 | 43 | 41 |
| 10 2024 | 704 | 647 | 455 | 455 | 40 | 37 | 196 | 187 | 50 | 48 |
| 11 2024 | 688 | 625 | 420 | 413 | 38 | 34 | 182 | 171 | 46 | 44 |
| 12 2024 | 715 | 652 | 437 | 430 | 39 | 35 | 188 | 177 | 48 | 46 |

# Midway Peaking, LLC

Firebaugh, CA

## Midway Condition 18 and 19 U2

December 2024 12-Month Rolling

| Parameter | Limit lb/yr per turbine | Limit lb/yr per Unit | Limit lb/yr for Facility |
|---|---|---|---|
| NOx | 12,736 | 25,742 | 50,000 |
| CO | 18,826 | 37,652 | |
| VOC | 3,281 | 6,562 | |
| PM10 | 7,400 | 14,800 | |
| SOx | 3,560 | 7,120 | |

| Month | CT-A NOx lbs 12-Month Rolling Total | CT-B NOx lbs 12-Month Rolling Total | CT-A CO lbs 12-Month Rolling Total | CT-B CO lbs 12-Month Rolling Total | CT-A VOC lbs 12-Month Rolling Total | CT-B VOC lbs 12-Month Rolling Total | CT-A PM lbs 12-Month Rolling Total | CT-B PM lbs 12-Month Rolling Total | CT-A SOx lbs 12-Month Rolling Total | CT-B SOx lbs 12-Month Rolling Total |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 2024 | 533 | 515 | 607 | 577 | 21 | 22 | 163 | 160 | 55 | 54 |
| 02 2024 | 497 | 501 | 555 | 546 | 20 | 21 | 151 | 153 | 52 | 52 |
| 03 2024 | 377 | 387 | 410 | 413 | 15 | 16 | 112 | 115 | 39 | 39 |
| 04 2024 | 260 | 254 | 283 | 275 | 11 | 10 | 76 | 75 | 27 | 26 |
| 05 2024 | 266 | 250 | 277 | 267 | 11 | 10 | 77 | 74 | 27 | 25 |
| 06 2024 | 300 | 284 | 296 | 282 | 12 | 11 | 82 | 79 | 28 | 26 |
| 07 2024 | 438 | 441 | 402 | 388 | 16 | 15 | 112 | 111 | 38 | 36 |
| 08 2024 | 480 | 478 | 425 | 409 | 16 | 15 | 118 | 117 | 40 | 38 |
| 09 2024 | 511 | 510 | 449 | 431 | 17 | 16 | 127 | 126 | 43 | 41 |
| 10 2024 | 579 | 583 | 505 | 490 | 20 | 19 | 146 | 146 | 50 | 48 |
| 11 2024 | 536 | 539 | 453 | 435 | 17 | 16 | 129 | 128 | 44 | 42 |
| 12 2024 | 545 | 548 | 463 | 445 | 17 | 16 | 131 | 130 | 45 | 43 |

# Attachment 6

## Startup/Shutdown Duration

# 1 Midway Events

Calpeak

for 10/1/2024 thru 12/31/2024

| Parameter | Start | End | Duration | Value |
|---|---|---|---|---|
| Startup | 10/1/2024 3:24 PM | 3:52 PM | 0.48 | |
| Shutdown | 10/1/2024 7:02 PM | 7:11 PM | 0.17 | |
| Startup | 10/2/2024 3:55 PM | 4:30 PM | 0.60 | |
| Shutdown | 10/2/2024 7:31 PM | 7:40 PM | 0.17 | |
| Startup | 10/3/2024 3:25 PM | 3:58 PM | 0.57 | |
| Shutdown | 10/3/2024 4:05 PM | 4:08 PM | 0.07 | |
| Shutdown | 10/3/2024 4:19 PM | 4:23 PM | 0.08 | |
| Shutdown | 10/3/2024 4:28 PM | 4:33 PM | 0.10 | |
| Startup | 10/3/2024 4:45 PM | 4:49 PM | 0.08 | |
| Shutdown | 10/3/2024 7:32 PM | 7:40 PM | 0.15 | |
| Startup | 10/5/2024 4:26 PM | 4:53 PM | 0.47 | |
| Shutdown | 10/5/2024 6:16 PM | 6:25 PM | 0.17 | |
| Startup | 10/5/2024 8:09 PM | 8:27 PM | 0.32 | |
| Shutdown | 10/5/2024 10:31 PM | 10:40 PM | 0.17 | |
| Startup | 10/6/2024 4:16 PM | 4:46 PM | 0.52 | |
| Shutdown | 10/6/2024 11:31 PM | 11:40 PM | 0.17 | |
| Startup | 10/7/2024 3:26 PM | 3:49 PM | 0.40 | |
| Shutdown | 10/7/2024 9:31 PM | 9:40 PM | 0.17 | |
| Startup | 10/8/2024 4:24 PM | 4:48 PM | 0.42 | |
| Shutdown | 10/8/2024 6:16 PM | 6:25 PM | 0.17 | |
| Startup | 10/15/2024 1:55 PM | 2:28 PM | 0.57 | |
| Shutdown | 10/15/2024 2:42 PM | 2:51 PM | 0.17 | |
| Startup | 10/30/2024 7:40 AM | 8:14 AM | 0.58 | |
| Shutdown | 10/30/2024 8:46 AM | 8:54 AM | 0.15 | |
| Startup | 11/1/2024 3:53 PM | 4:22 PM | 0.50 | |

| Parameter | Start | End | Duration | Value |
|---|---|---|---|---|
| Shutdown | 11/1/2024 6:02 PM | 6:10 PM | 0.15 | |
| Startup | 11/9/2024 8:06 AM | 8:39 AM | 0.57 | |
| Shutdown | 11/9/2024 9:17 AM | 9:25 AM | 0.15 | |
| Startup | 11/9/2024 12:22 PM | 12:44 PM | 0.38 | |
| Shutdown | 11/9/2024 1:31 PM | 1:40 PM | 0.17 | |
| Startup | 11/10/2024 8:37 AM | 9:10 AM | 0.57 | |
| Shutdown | 11/10/2024 9:46 AM | 9:55 AM | 0.17 | |
| Startup | 11/11/2024 9:07 AM | 9:37 AM | 0.52 | |
| Shutdown | 11/11/2024 2:02 PM | 2:10 PM | 0.15 | |
| Startup | 11/19/2024 1:27 PM | 2:06 PM | 0.67 | |
| Shutdown | 11/19/2024 3:03 PM | 3:11 PM | 0.15 | |
| Startup | 11/19/2024 4:24 PM | 4:42 PM | 0.32 | |
| Shutdown | 11/19/2024 5:31 PM | 5:39 PM | 0.15 | |
| Startup | 11/21/2024 7:38 AM | 8:13 AM | 0.60 | |
| Shutdown | 11/21/2024 8:46 AM | 8:54 AM | 0.15 | |
| Startup | 11/22/2024 7:05 AM | 7:34 AM | 0.50 | |
| Shutdown | 11/22/2024 8:47 AM | 8:55 AM | 0.15 | |
| Startup | 12/10/2024 9:37 AM | 10:19 AM | 0.72 | |
| Shutdown | 12/10/2024 12:05 PM | 12:13 PM | 0.15 | |
| Startup | 12/18/2024 6:23 AM | 6:55 AM | 0.55 | |
| Shutdown | 12/18/2024 8:02 AM | 8:10 AM | 0.15 | |
| Startup | 12/18/2024 9:23 AM | 9:41 AM | 0.32 | |
| Shutdown | 12/18/2024 10:31 AM | 10:39 AM | 0.15 | |

# 2 Midway Events

Calpeak

for 10/1/2024 thru 12/31/2024

| Parameter | Start | End | Duration | Value |
|---|---|---|---|---|
| Startup | 10/1/2024 3:24 PM | 3:44 PM | 0.35 | |
| Shutdown | 10/1/2024 7:03 PM | 7:11 PM | 0.15 | |
| Startup | 10/2/2024 3:55 PM | 4:32 PM | 0.63 | |
| Shutdown | 10/2/2024 7:32 PM | 7:40 PM | 0.15 | |
| Startup | 10/3/2024 3:25 PM | 3:45 PM | 0.35 | |
| Shutdown | 10/3/2024 7:32 PM | 7:41 PM | 0.17 | |
| Startup | 10/5/2024 4:26 PM | 4:54 PM | 0.48 | |
| Startup | 10/6/2024 4:16 PM | 4:42 PM | 0.45 | |
| Shutdown | 10/6/2024 11:32 PM | 11:40 PM | 0.15 | |
| Startup | 10/7/2024 3:26 PM | 3:44 PM | 0.32 | |
| Shutdown | 10/7/2024 9:32 PM | 9:40 PM | 0.15 | |
| Startup | 10/8/2024 4:24 PM | 4:53 PM | 0.50 | |
| Startup | 10/8/2024 5:04 PM | 5:22 PM | 0.32 | |
| Shutdown | 10/8/2024 6:16 PM | 6:25 PM | 0.17 | |
| Startup | 10/9/2024 11:42 AM | 12:02 PM | 0.35 | |
| Shutdown | 10/9/2024 12:21 PM | 12:29 PM | 0.15 | |
| Startup | 10/30/2024 7:40 AM | 8:03 AM | 0.40 | |
| Shutdown | 10/30/2024 8:46 AM | 8:54 AM | 0.15 | |
| Startup | 11/1/2024 3:53 PM | 4:13 PM | 0.35 | |
| Shutdown | 11/1/2024 6:02 PM | 6:10 PM | 0.15 | |
| Startup | 11/9/2024 8:06 AM | 8:28 AM | 0.38 | |
| Shutdown | 11/9/2024 9:17 AM | 9:25 AM | 0.15 | |
| Startup | 11/9/2024 12:22 PM | 12:49 PM | 0.47 | |
| Startup | 11/10/2024 8:37 AM | 9:03 AM | 0.45 | |
| Shutdown | 11/10/2024 9:46 AM | 9:54 AM | 0.15 | |

| Parameter | Start | End | Duration | Value |
|---|---|---|---|---|
| Startup | 11/19/2024 1:30 PM | 1:59 PM | 0.50 | |
| Shutdown | 11/19/2024 3:02 PM | 3:10 PM | 0.15 | |
| Startup | 11/19/2024 4:24 PM | 4:42 PM | 0.32 | |
| Shutdown | 11/19/2024 5:31 PM | 5:39 PM | 0.15 | |
| Startup | 11/21/2024 7:38 AM | 8:02 AM | 0.42 | |
| Shutdown | 11/21/2024 8:46 AM | 8:54 AM | 0.15 | |
| Startup | 11/22/2024 7:05 AM | 7:25 AM | 0.35 | |
| Shutdown | 11/22/2024 8:48 AM | 8:56 AM | 0.15 | |
| Startup | 12/18/2024 6:23 AM | 6:46 AM | 0.40 | |
| Shutdown | 12/18/2024 8:02 AM | 8:10 AM | 0.15 | |
| Startup | 12/18/2024 9:23 AM | 9:47 AM | 0.42 | |
| Shutdown | 12/18/2024 10:31 AM | 10:39 AM | 0.15 | |

# Attachment 7

## Acid Rain Program Final Compliance Summary

CAMD Business System
Clean Air Markets Division

# Detailed Compliance Report

## Allowance Deductions for Compliance Year 2023 Acid Rain Program

**Primary Representative**

Claude Couvillion

**Alternate Representative**

Jon Boyer

**Account Name**

Midway Peaking

**Account Number**

056639FACLTY

**Program**

Acid Rain Program

**Beginning Balance**

0

**SO2 Emissions (tons)**

0

**Excess Emissions (tons)**

0

**Ending Balance**

0