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**Pacific Gas and
Electric Company®**

Mailing Address:
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Gateway Generating Station
3225 Wilbur Ave.
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March 25, 2024

Mr. John Heiser
Compliance Project Manager
California Energy Commission
Siting, Transmission and Environmental Protection Division
1516 Ninth Street, MS-15
Sacramento, CA 95814

Reference: PG&E Gateway Generating Station (00-AFC-01C)

Subject: Annual Compliance Report for Reporting Period of January 1, 2023, to
December 31, 2023

Dear Mr. Heiser,

In compliance with the General Condition of Certification as set forth in the California Energy Commission's Final Decision for Pacific Gas and Electric Company Gateway Generating Station (GGS) pages 179-180, attached is the Annual Compliance Report for the reporting period of January 1, 2023, to December 31, 2023.

Included in this report are documents specifically required by Conditions of Certification SOILS&WATER-10, SOILS&WATER-4, HAZ-1, and SOILS&WATER-3, BIO-2 to be submitted along with the Annual Compliance Report and are attached herewith as Exhibits 3, 4, 5, 6, and 7, respectively. Also included in this report are updated compliance matrix, Project operating status, and statements of compliance with Conditions of Certifications VIS-1, and VIS-4.

If you have any questions regarding this report, please contact Angel Espiritu at (925) 522-7838, 510-861-1597 (m) or abe4@pge.com.

Sincerely,

A handwritten signature in blue ink that reads 'Tim Wisdom'.

Tim Wisdom
Senior Plant Manager

Attachments: a/s



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Gateway Generating Station Project
(00-AFC-1C)

Annual Compliance Report No. 15
(Reporting Period: January 1, 2023 - December 31, 2023)

March 31, 2024

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1. Updated Compliance Matrix	Exhibit 1
2. Key Events List	Exhibit 2
3. Water Use Summary (SOIL&WATER-10)	Exhibit 3
4. Semi-annual Self-Monitoring Reports to Delta Diablo District (SOIL&WATER-4)	Exhibit 4
5. HAZ-1 Appendix C Table 8.12-4 (HAZ-1), and Hazardous Materials Inventory as submitted to CUPA through CERS	Exhibit 5
6. Copy of Notice of Intent (NOI), AND Revised SWPPP to comply with the requirements of new Statewide Industrial General Permit (SOIL & WATER-3)	Exhibit 6
7. Biological Record Summaries (BIO-2)	Exhibit 7

Introduction

This document constitutes PG&E's Annual Compliance Report (ACR) for the Gateway Generating Station (GGS) Project. The information contained in this report covers the reporting period of January 2023 to December 2023 (RY 2023).

Compliance Activities

This section of the Annual Compliance Report focuses on PG&E's activities related to ensuring that compliance with all the Conditions of Certification, as specified in the California Energy Commission's Final Decision for the Gateway Generating Station Project, are achieved in a timely and satisfactory manner. The following information is provided per the requirements set forth on page 179 and 180 of the Final Decision, specifically General Conditions on Annual Compliance Report.

1. **Updated Compliance Matrix** - The compliance matrix has been updated for the reporting period to reflect the status of all conditions of certification. See matrix in **Exhibit 1**.
2. **Current Project Operating Status** - The PG&E Gateway Generating Station (GGS) achieved Plant Commercial Operation status on January 4, 2009. During the reporting period of January 2023 to December 2023, GGS continued its normal commercial operation activities. The Project key events list is included in **Exhibit 2**.
3. **Required Documents Submitted with This Report** - The Final Decision sets forth specific conditions, many of which include reporting requirements that must be addressed in the project's ACR. The following paragraphs provide the status of ongoing compliance activities that were completed during the reporting period:
 - 3.1 **SOIL&WATER-10** - GGS utilized potable water, supplied by the City of Antioch. The Water Use Summary for RY 2023 is included in this report as **Exhibit 3**. Also included in Exhibit 3 is monthly water consumption invoices information from the City of Antioch. The total water use for the reporting period is 54.17 AF (acre-feet). The metering devices are owned, and maintained by the City of Antioch,

hence GGS is not allowed to do servicing, testing, and calibration of the metering devices.

- 3.2 VIS-1 - The maintenance works on treatment of structures, buildings, and tanks at Gateway Generating Station (GGS) were performed on regular basis expeditiously. There are at least 3 separate routine plant inspections, which include among other items, the identification of treatment re-works on structures, buildings, and tanks. These are: (1) Semi-annual (Spring and Fall) Facility-wide Inspection by Safety Committee, (2) Weekly Plant Engineer's Walk-down, and (3) Daily Plant Technician's Walk-down Inspection. In each of these inspections, maintenance work is identified (as may be needed), and a job request notification is submitted. At GGS, there is Work Management (SAP) System which tracks job requests to ensure that works are completed in a timely manner.
- 3.3 VIS-4 - In compliance with the Condition of Certification VIS-4, GGS confirms that appropriate maintenance was performed to ensure continued establishment (of growth) of the planted trees and shrubs. A suitable drip irrigation system, equipped with automatic sprinkler timer, was installed and is in operation.
- 3.4 SOIL&WATER-4 – In compliance with Condition of Certification SOIL&WATER-4, attached in **Exhibit 4a** are copies of Quarterly Self-Monitoring Reports submitted to and received by the Delta Diablo (DD) on April 17, 2023, July 13, 2023, October 11, 2023, and January 11, 2024, to cover the reporting year (RY) 2023. Attached in **Exhibit 4b** is the status on agency citation.
- 3.5 HAZ-1 – In compliance with Condition of Certification HAZ-1, attached in **Exhibit 5** is Updated Table 8.12-4: Hazardous Materials to be Added at Gateway Generating Station During the Operational

Phase (of the Project). Also, a copy of Interim Update of August 23, 2023 on Hazardous Materials Inventory as submitted to Local CUPA (Contra Costa Health Services) through the California Environmental Reporting System (CERS) is attached.

3.6 SOIL & WATER-3 – In compliance with Condition of Certification SOIL & WATER-3, a copy of the correspondence with the State Water Resources Control Board, through SMARTS (Stormwater Application & Report Tracking Systems) on the most current NOI and Revised SWPPP to comply with the requirements of the Industrial General Permit (WQ Order No. 2014-0057-DWQ) is submitted with this ACR. (See **Exhibit 6.**)

3.7 BIO-2 – In compliance with Condition of Certification BIO-2, the biology record summaries of the tasks described in BIO-2 is submitted with this ACR. (See **Exhibit 7**)

4. **Cumulative Listing of All Post-Certification Changes Approved by the CEC** – The following is a cumulative listing of all post-certification changes as approved by the CEC or cleared by the CPM.

4.1 ORDER Approving Addition, of Pacific Gas and Electric Company as Co-Owner and Operator with Mirant Delta, LLC on the Gateway Power Plant Unit 8 Project – Approved on July 19, 2006.

4.2 Removing Mirant Delta LLC As A Co-Owner, And Changing The Name Of The Project To The Gateway Generating Station – Approved on January 3, 2008

4.3 Order to Change Construction Work Hours And Noise-8 for the Gateway Generating Station – Approved on May 23, 2007

4.4 Order Amending the Energy Commission Decision to Eliminate the use of San Joaquin River Water as the Cooling Water Source and Complete Ten Associated project design Changes - Approved on August 1, 2007

- 4.5 Order to Amend the Energy Commission Decision to Allow Use of Anhydrous Ammonia as the Refrigerant in the Inlet Air Chiller – Approved on December 5, 2007.
- 4.6 Order Approving a Petition to Amend the Energy Commission Decision to Allow Use of Two Additional Water Tanks – January 2, 2008
- 4.7 Petition for Insignificant Project Change - On February 4, 2008, PG&E filed a request for an insignificant project change related to a modification to the route for the sewer line. The CEC approved PG&E's request on March 10, 2008.
- 4.8 Approval of the Pacific Gas & Electric Company Petition to use a diesel fire pump engine, and make other minor changes to Air Quality Conditions of Certification of the Energy Commission Decision for the Gateway Generating Station (Order Amending the CEC Decision to Modify Equipment & Change Air Quality Conditions of Certification) – Approved August 26, 2009.
- 4.9 Commission Adoption Order - Adoption of the Proposed Decision of the Siting Committee on the Complaint for Noncompliance - Approved on February 17, 2010
- 4.10 Notice of Approval to Modify Gateway Generating Station Project: Petition for Insignificant Project Change to Plant Facility – Approved on October 18, 2010
- 4.11 On May 27, 2010, the CEC (Mr. Joseph Douglas) approved AQ-SC-11 submittal on the Preliminary Compliance Review on the Authority to Construct Application for the Fire Pump Diesel Engine.
- 4.12 Order Approving a Petition to Modify Several Air Quality Conditions to reflect the Bay Area Management District current conditions and the Prevention of Significant Deterioration (PSD) Action, September 7, 2011.
- 4.13 Notice of Decision by California Energy Commission on: Amendment to Modify Several Air Quality Conditions to Reflect the (BAAQMD)

current conditions and the Prevention of Significant Deterioration (PSD) Enforcement Actions, dated and posted: September 9, 2011.

- 4.14 Storage of One Spare Generator Step-Up (GSU) Transformer, January 26, 2012
- 4.15 Notice of Determination on Petition to Install additional 40,000-gallon Storage Tank, April 3, 2012
- 4.16 Approval of Project Change: to Install additional 40,000-gallon Storage Tank, April 19, 2012
- 4.17 Approval of Petition for Insignificant Project Change to Plant Facility:
(a) to acquire the 29% aqueous ammonia system (from NRG, Inc.,
(b) to install a new stainless steel above-ground aqueous ammonia delivery piping system, and (c) to build security fence around the aqueous ammonia system and remainder of the west side of facility property. Staff-level approval: April 9, 2013. A request to modify this petition to include installation of 2 gate structures (one for GGS and the other for NRG, Inc., was sent to CEC on October 23, 2013. The modification was approved on October 23, 2013. A second modification to install only one gate structure for GGS was sent to CEC on November 13, 2014. The second modification was approved on November 13, 2014.
- 4.18 Approval of proposed stormwater BMP: Construction Work to Cover the Asphalt Drainage Ditch: The request was submitted to CEC on October 14, 2013. The request was approved on October 14, 2013.
- 4.19 Approval of proposed construction of additional turbine decking: The request was submitted on May 23, 2014. The request was approved on September 15, 2014.
- 4.20 Approval of proposed access stairs upgrades at three separate switchgear rooms: The request was submitted on August 11, 2014. The request was approved on October 2, 2014.
- 4.21 Approval of proposed installation of fixed hydrogen tube bank at the south side of the facility: The request was submitted on December 5, 2014. The request was approved on March 19, 2015

- 4.22 Approval of proposed construction of additional grating-type decking on the east side of the steam turbine: The request was submitted on May 21, 2015. The request was approved on August 14, 2015.
- 4.23 Approval of proposed construction of a temporary stormwater treatment system. The request was submitted on August 26, 2016. The request was approved on December 22, 2016.
- 4.24 Response to a project change questionnaire for work to be conducted by PG&E Gas Department on natural gas pipelines located within the site parcel boundaries of Gateway Generating Station, RE: Removal and Replacement of Underground Natural Gas Pipelines at Gateway Generating Station. The questionnaire was submitted to CEC on January 24, 2019. The CEC responded on March 15, 2019. The CEC determined that the approval by the CEC is not required. However, the trees that would be impacted by the pipeline work would have to be replanted when the work is completed. This is to comply with the Condition of Certification VIS-4.
- 4.25 Approval of Title IV Acid Rain Permit Renewal -The Bay Area Air Quality Management District (BAAQMD) approved the Title IV Acid Rain permit renewal on September 3, 2020. A copy of this permit was submitted to the CEC CPM on September 7, 2020.
- 4.26 Approval of Title V – Major Facility Review Permit Renewal - The Bay Area Air Quality Management District (BAAQMD) approved the Title V Major Facility Review permit renewal on September 3, 2020. A copy of this permit was submitted to the CEC CPM on September 7, 2020.
- 5. **Missed Submittal Deadline:** None
- 6. **Filings Submitted to / Permits Issued by Other Government. Agencies During the Reporting Period** - The following is a list of filings submitted to, or permits issued by other government agencies during the reporting period:
 - 6.1. January 12, 2023 - GGS submitted to DD the Quarterly Self-Monitoring Report and wastewater flow data for the period: October 2022 to December 2022

- 6.2. January 12, 2023 - GGS submitted to DD the Result of Resampling for Zinc (in response to Warning Notice dated 12/30/2022)
- 6.3. January 23, 2023 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for December 2022
- 6.4. January 26, 2023 - GGS submitted to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the Q4-2022 Quarterly Excess Emission Report in accordance with 40 CFR 60.7 (c). This is in compliance with the requirement of Paragraph 12 of the Second Amended Compliance Decree (CV09-4503-SI)
- 6.5. January 26, 2023 - (Condition of Certification AQ-14) Quarterly Air Compliance Report for Q4-2022 was submitted to CEC/BAAQMD
- 6.6. January 27, 2023 – GGS submitted to EPA Quarterly EPA ECMPS Electronic Data Reports (EDR) Reports for Q4-2022 (Part 75 Compliance)
- 6.7. January 30, 2023 – In compliance with the terms of the General Permit for Storm Water Associated with Industrial Activity, GGS submitted the analytical results for the sampling of the Qualified Storm Event (QSE) that occurred on December 26, 2022 in Storm Water Multiple Application and Report Tracking Systems (SMARTS)
- 6.8. February 16, 2023 – In compliance with the terms of the General Permit for Storm Water Associated with Industrial Activity, GGS submitted the analytical results for the sampling of the Qualified Storm Event (QSE) that occurred on January 19, 2023, in Storm Water Multiple Application and Report Tracking Systems (SMARTS)
- 6.9. February 23, 2023 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for January 2023
- 6.10. February 27, 2023 – In compliance with the terms of the General Permit for Storm Water Associated with Industrial Activity, GGS submitted the analytical results for the sampling of the Qualified Storm Event (QSE) that occurred on February 3, 2023, in Storm Water Multiple Application and Report Tracking Systems (SMARTS)

- 6.11. February 27, 2023 - GGS submitted to Contra Costa Health Services (CCHS) the Hazardous Materials Business Plan Annual Update for 2022, through the California Environmental Reporting System (CERS)
- 6.12. February 28, 2023 – The revised Priority Pollutant Exemption Form with Certification Statement was re-submitted to DD.
- 6.13. February 28, 2023 - (Condition of Certification AQ-29, AQ-30, AQ-31, AQ-32) GGS submitted to BAAQMD/CEC Source Test Report and 2023 Relative Accuracy Test Audit & Compliance Test Report. The tests were completed January 9-13, 2023.
- 6.14. March 10, 2023 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for February 2023
- 6.15. March 20, 2023 – (General Condition of Certification, pages 179-180): GGS submitted the Annual Compliance Report for RY 2022
- 6.16. March 30, 2023 – submitted Notification of limit exceedance to Delta Diablo Sanitation District on 2023 Q1 self-monitoring for parameter metal zinc.
- 6.17. April 17, 2023 - GGS submitted to DD the Quarterly Self-Monitoring Report and wastewater flow data for the period: January 2023 to March 2023
- 6.18. April 17, 2023 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for March 2023
- 6.19. April 17, 2023 - GGS submitted to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the Q1-2023 Quarterly Excess Emission Report in accordance with 40 CFR 60.7 (c). This is in compliance with the requirement of Paragraph 12 of the Second Amended Compliance Decree (CV09-4503-SI)
- 6.20. April 17, 2023 - (Condition of Certification AQ-14) Quarterly Air Compliance Report for Q1 2023 was submitted to CEC/BAAQMD
- 6.21. April 17, 2023 – GGS submitted to BAAQMD the Permit to Operate

(PTO) Renewal Data update (July 2023-August 2024)

- 6.22. April 24, 2023 – GGS submitted to BAAQMD/CEC the Semi-annual Monitoring report for the period October 1, 2023 to March 31, 2023. This is to comply with Standard Condition F (Monitoring Report) of the Major Facility (Title V) Permit.
- 6.23. April 24, 2023 – submitted result of first resampling to Delta Diablo Sanitation District on parameter metal zinc.
- 6.24. April 26, 2023 – GGS submitted to EPA Quarterly EPA ECMPS Electronic Data Reports (EDR) Reports for Q1-2023 (Part 75 Compliance)
- 6.25. May 10, 2023 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for April 2023
- 6.26. May 11, 2023 – (Condition of Certification AQ-SC13) GGS submitted to BAAQMD/CEC the Notification on Visual Emission Evaluation for the earliest anticipated re-start date of May 26, 2023.
- 6.27. June 1, 2023 – (Condition of Certification AQ-SC13) GGS submitted to BAAQMD/CEC the Report on Visual Emission Evaluation for the restart dates of May 27, 2023 and May 29, 2023.
- 6.28. June 15, 2023 - GGS submitted to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the semi-annual report on the CO projected exceedance date. This is incompliance with the requirement of Paragraph 11 (1) of the Second Amended Compliance Decree (CV09-4503-SI)
- 6.29. June 26, 2023 – submitted result of second resampling to Delta Diablo Sanitation District on parameter metal zinc.
- 6.30. June 26, 2023 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for May 2023
- 6.31. June 29, 2023 – A reportable compliance activity (RCA) was submitted to BAAQMD/CEC. The cold start up mass emission limit for NOx was exceeded.

- 6.32. July 6, 2023 – A 10-day Follow-up Report was submitted to BAAQMD/CEC on the RCA submitted on June 29, 2023. The cold start up mass emission limit for NOx was exceeded.
- 6.33. July 10, 2023 - In compliance with the terms of the General Permit for Storm Water Associated with Industrial Activity, the 2022-2023 Annual Report was submitted to Central Valley Regional Water Quality Control Board
- 6.34. July 13, 2023 - GGS submitted to DD the Quarterly Self-Monitoring Report and wastewater flow data for the period: April 2023 to June 2023
- 6.35. July 19, 2023 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for June 2023
- 6.36. July 19, 2023 - GGS submitted to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the Q2-2023 Quarterly Excess Emission Report in accordance with 40 CFR 60.7 (c). This is in compliance with the requirement of Paragraph 12 of the Second Amended Compliance Decree (CV09-4503-SI)
- 6.37. July 20, 2023- (Condition of Certification AQ-14) Quarterly Air Compliance Report for Q2 2023 was submitted to CEC/BAAQMD
- 6.38. July 26, 2023 – A 30-day Follow-up Report was submitted to BAAQMD/CEC on the RCA submitted on June 29, 2023. The cold start up mass emission limit for NOx was exceeded.
- 6.39. July 26, 2023 – submitted result of third resampling to Delta Diablo Sanitation District on parameter metal zinc.
- 6.40. July 27, 2023 – GGS received the renewal on the Permit to Operate (PTO) from BAAQMD. The PTO expires on August 1, 2024.
- 6.41. July 28, 2023 – GGS submitted to EPA Quarterly EPA ECMPs Electronic Data Reports (EDR) Reports for Q2-2023 (Part 75 Compliance)
- 6.42. August 22, 2023 - (Condition of Certification AQ-33) GGS submitted

to BAAQMD Monthly CEMS Report for July 2023

- 6.43. August 23, 2023 - GGS submitted to Contra Costa Health Services (CCHS) the Hazardous Materials Business Plan Interim Update Aug 23, 2023, through the California Environmental Reporting System (CERS)
- 6.44. September 25, 2023 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for August 2023
- 6.45. September 27, 2023 – GGS submitted to BAAQMD/EPA, and copied CEC, on the Annual Compliance Certification for the reporting period of September 1, 2022 to August 31, 2023 as required under permit condition I.G of the Major Facility Review (Title V) permit.
- 6.46. October 11, 2023 - GGS submitted to DD the Quarterly Self-Monitoring Report and wastewater flow data for the period: July 2023 to September 2023
- 6.47. October 24, 2023 - GGS submitted to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the Q3-2023 Quarterly Excess Emission Report in accordance with 40 CFR 60.7 (c). This is in compliance with the requirement of Paragraph 12 of the Second Amended Compliance Decree (CV09-4503-SI)
- 6.48. October 25, 2023 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for September 2023
- 6.49. October 26, 2023 - (Condition of Certification AQ-14) Quarterly Air Compliance Report for Q3 2023 was submitted to CEC/BAAQMD
- 6.50. October 26, 2023 – GGS submitted to BAAQMD/CEC the Semi-annual Monitoring report for the period April 1, 2023 to September 30, 2023. This is to comply with Standard Condition F (Monitoring Report) of the Major Facility (Title V) Permit
- 6.51. October 26, 2023 – GGS submitted to EPA Quarterly EPA ECMPS Electronic Data Reports (EDR) Reports for Q3-2023 (Part 75 Compliance)

- 6.52. November 22, 2023 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for October 2023
- 6.53. December 11, 2023 - GGS submitted to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the semi-annual report on the CO projected exceedance date. This is incompliance with the requirement of Paragraph 11 (1) of the Second Amended Compliance Decree (CV09-4503-SI)
- 6.54. December 12, 2023 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for November 2023
- 6.55. December 16, 2023 - (Conditions of Certification AQ-31) GGS submitted to BAAQMD and CEC the 2024 Annual RATA and Source Test Protocol for the proposed dates of January22-26, 2024
- 7. **Projected Compliance Activities for Next Year (RY January 1, 2024 – December 31, 2024)** - The following is a list of compliance activities/documents that PG&E anticipates for the January 1, 2024 to December 31, 2024 reporting period:
 - 7.1 (Condition of Certification AQ-14) Quarterly Air Compliance Reports will be submitted within 30 days after the reporting period
 - 7.2 (Condition of Certification AQ-33) Monthly CEMS Reports will be submitted to BAAQMD within 30 days after the reporting period
 - 7.3 (Air Quality Compliance) PG&E anticipates the issuance of Permit to Operate (PTO Annual Renewal) in July 2024
 - 7.4 Quarterly Air Quality EDR reports to EPA due on January 30, 2024, April 30, 2024, July 30, 2024, and October 30, 2024
 - 7.5 Quarterly Self-Monitoring Reports to DD due on January 15, 2024, April 15, 2024, July 15, 2024, and October 15, 2024
 - 7.6 Quarterly Industrial Flow Data Report to DD due January 15, 2024, April 15, 2024, July 15, 2024, and October 15, 2024
 - 7.7 Annual HMBP update due to CCHS on March 1, 2024

- 7.8 2023-2024 Annual Report to comply with General Permit for Storm Water Associated with Industrial Activity, due to Central Valley Regional Water Quality Control Board on July 15, 2024
- 7.9 Sampling results of all qualified storm events due to Central Valley Regional Water Quality Control Board within 30 days of receiving analytical results from laboratory.
- 7.10 (Conditions of Certification AQ-30 and AQ-31) - To submit to BAAQMD and CEC the Annual Source Test and RATA Plan for 2025
- 7.11 (Conditions of Certification AQ-29, AQ-30, AQ-31, and AQ-32) - To submit to BAAQMD and CEC Source Test Report and 2024 Relative Accuracy Test Audit & Compliance Test Report within 60 days of test date.
- 7.12 To submit to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the Quarterly Excess Emission Report in accordance with 40 CFR 60.7 (c). This is incompliance with the requirement of Paragraph 12 of the Second Amended Compliance Decree (CV09-4503-SI). These reports are due on January 30, 2024, April 30, 2024, July 30, 2024, and October 30, 2024
- 7.13 To submit to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the CO Projected Exceedance Date (on semi-annual basis). This is incompliance with the requirement of Paragraph 11 of the Second Amended Compliance Decree (CV09-4503-SI). These reports are due on June 15, 2024, and December 15, 2024.
- 7.14 To submit to BAAQMD/EPA Annual and Semi-annual Title V reports. These reports are due on September 30, 2024, April 30, 2024, and October 30, 2024, respectively.
- 7.15 (Conditions of Certification – General Conditions) - CEC Annual Compliance Report for RY2023 due March 30, 2024, as pre-arranged with the CPM

8. **Listing of the Year's Addition to Compliance File** - During the reporting period, the following compliance submittals were submitted to the CEC CPM and other regulatory agencies as required for review and approval.

Date	To	Condition	Subject
1/12/2023	DD	SOILS&WATER-4	Quarterly Self-Monitoring Report for the period: Oct 2022 to Dec 2022
1/23/2023	BAAQMD	AQ-33	Monthly CEMS Report for December 2022
1/26/2023	US EPA IX/CEC	Consent Decree Paragraph 12	Quarterly Excess Emission Report (NOx & CO) for Q4-2022
1/26/2023	CEC/BAAQMD	AQ-14	Quarterly Air Compliance Report for Q4-2022
1/27/2023	EPA	Part 75	EPA Quarterly EPA ECMPS Electronic Data Reports (EDR) Reports for Q4-2022
1/30/2023	CVRWQCB-SMARTS	IGP	Analytical results for the sampling of the QSEs that occurred on Dec 26, 2022
2/16/2023	CVRWQCB-SMARTS	IGP	Analytical results for the sampling of the QSEs that occurred on Jan 19, 2023
2/23/2023	BAAQMD	AQ-33	Monthly CEMS Report for January 2023
2/27/2023	CVRWQCB-SMARTS	IGP	Analytical results for the sampling of the QSEs that occurred on Feb 3, 2023
2/27/2023	CCHS/CERS		Hazardous Materials Business Plan Annual Update for 2022
2/28/2023	DD	SOILS&WATER-4	Revised Priority Pollutant Exemption Form/Certification Statement re-submitted

Date	To	Condition	Subject
2/28/2023	BAAQMD/CEC	AQ-29, AQ-30, AQ-31, AQ-32	Source Test Report and 2023 Relative Accuracy Test Audit and Compliance Test Report; the tests were completed January 9-13, 2023
3/10/2023	BAAQMD	AQ-33	Monthly CEMS Report for February 2023
3/20/2023	CEC	GEN (pp.179-180)	Annual Compliance Report #14 RY 2022
3/30/2023	DD	SOILS&WATER-4	Submitted Notification of limit exceedance in 2023 Q1 self-monitoring
4/17/2023	DD	SOILS&WATER-4	Quarterly Self-Monitoring Report for the period: January 2023 to March 2023
4/17/2023	BAAQMD	AQ-33	Monthly CEMS Report for March 2023
4/17/2023	US EPA IX/CEC/DOJ	Consent Decree Paragraph 12	Quarterly Excess Emission Report (NOx & CO) for Q1-2023
4/17/2023	CEC/BAAQMD	AQ-14	Quarterly Air Compliance Report for Q1 2023
4/17/2023	BAAQMD	PTO	PTO Renewal Data Update
4/24/2023	DD	SOILS&WATER-4	Submitted result of first resampling for metal zinc
4/24/2023	BAAQMD/CEC	Title V	Semi-annual Monitoring Report for Oct 1, 2022 to Mar 31, 2023
4/26/2023	EPA	Part 75	EPA ECMPS (EDR) for Q1-2023
5/10/2023	BAAQMD	AQ-33	Monthly CEMS Report for April 2023
5/11/2023	CEC/BAAQMD	AQ-SC13	Notification on Visual Emission Evaluation (VEE) for May 26, 2023 Restart

Date	To	Condition	Subject
6/1/2023	CEC/BAAQMD	AQ-SC13	Report on Visual Emission Evaluation (VEE) for May 27, 2023, and May 29, 2023 Restart
6/15/2023	US EPA IX/ CEC	Consent Decree Paragraph 11(1)	Semi-annual Report on CO Projected Exceedance Date
6/26/2023	BAAQMD	AQ-33	Monthly CEMS Report for May 2023
6/26/2023	DD	SOILS&WATER- 4	Submitted result of second resampling for metal zinc
6/29/2023	BAAQMD/CEC	AQ-20, AQ-33, Title V	Reportable compliance activity, RCA, The cold start mass emission limit for NOx was exceeded
7/6/2023	BAAQMD/CEC	AQ-20, AQ-33, Title V	10-day Follow-up report on RCA submitted on 6/29/2023. The cold start mass emission limit for NOx was exceeded
7/10/2023	CVRWQCB- SMARTS	IGP	Storm Water Annual Report for 2022-2023
7/13/2023	DD	SOILS&WATER- 4	Quarterly Self-Monitoring Report for the period: April 2023 to June 2023
7/19/2023	BAAQMD	AQ-33	Monthly CEMS Report for June 2023
7/19/2023	US EPA IX/ CEC/DOJ	Consent Decree Paragraph 12	Quarterly Excess Emission Report (NOx & CO) for Q2-2023
7/20/2023	CEC/BAAQMD	AQ-14	Quarterly Air Compliance Report for Q2 2023
7/26/2023	DD	SOILS&WATER- 4	Submitted result of third resampling for metal zinc
7/26/2023	BAAQMD/CEC	AQ-20, AQ-33, Title V	30-day Follow-up report on RCA submitted on 6/29/2023. The cold start mass emission limit for NOx was exceeded
7/28/2023	EPA	Part 75	EPA ECMPS EDR for Q2-2023

Date	To	Condition	Subject
8/22/2023	BAAQMD	AQ-33	Monthly CEMS Report for July 2023
8/23/2023	CCHS/CERS		Hazardous Materials Business Plan Interim Update Aug 23, 2023
9/25/2023	BAAQMD	AQ-33	Monthly CEMS Report for August 2023
9/27/2023	BAAQMD/EPA /CEC	Title V	Annual Compliance Certification (Sep 1, 2022- Aug 31, 2023)
10/11/2023	DD	SOILS&WATER-4	Quarterly Self-Monitoring Report for the period: July 2023 to September 2023
10/24/2023	US EPA IX/ CEC	Consent Decree Paragraph 12	Quarterly Excess Emission Report (NOx & CO) for Q3-2023
10/25/2023	BAAQMD	AQ-33	Monthly CEMS Report for September 2023
10/26/2023	CEC/BAAQMD	AQ-14	Quarterly Air Compliance Report for Q3 2023
10/26/2023	BAAQMD/CEC	Title V	Semi-annual Monitoring Report for Apr 1, 2023 to Sep 30, 2023
10/26/2023	EPA	Part 75	EPA ECMPS EDR for Q3-2023
11/22/2023	BAAQMD	AQ-33	Monthly CEMS Report for October 2023
12/11/2023	US EPA IX/ CEC	Consent Decree Paragraph 11(1)	Semi-annual Report on CO Projected Exceedance Date

Date	To	Condition	Subject
12/12/2023	BAAQMD	AQ-33	Monthly CEMS Report for November 2023
12/26/2023	BAAQMD/CEC	AQ-29, AQ-30, AQ-31, AQ-32	Notification on 2024 Source Test and Relative Accuracy Test Audit for Jan 22-26, 2024

9. **Evaluation of On-site Contingency Plan** – The On-site Contingency Plan for Unexpected Facility Closure (previously submitted to CEC 12/30/2008) has been evaluated. PG&E determined that the plan is adequate and does not need revision. PG&E, however, will continue to evaluate the plan and make necessary revisions as may be needed. A copy of the revision will be submitted to CEC promptly.
10. **Listing of Complaints, NOVs, Citations Received** – A Notice of Violation (NOV) with compliance schedule dated May 4, 2023, was received from the Delta diablo Sanitation District on zinc limit violation. See Exhibit 4b for details.

Gateway Generating Station
(00-AFC-1C)

Annual Compliance Report No. 15

Exhibit 1
Updated Compliance Matrix

PG&E Gateway Generating Station Project
California Energy Commission Compliance Matrix
December 31, 2023

Color Code Legend

Construction Phase Condition	Commissioning Phase Condition	Operations Phase Condition	Submitted	Submitted / Approved / Completed
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CEC Cond. No.	Project Phase	Summary of Condition	Submittal Required	Due Date to CEC	Date Submitted/ Completed	Submittal Approved by CEC	Status	Comments
AQ-13	3_OPS	CTs and HRSGs shall be fired on gas with a maximum sulfur content of no greater than 1 grain per 100 standard cubic feet.	Conduct monthly sulfur analysis and incorporate results into QAQR.	Quarterly after COD (Recurring)	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-14	3_OPS	Combined heat input rate to each power train shall not exceed 2,227 MM BTU per hour over any rolling 3 hour period.	Demonstrate compliance in Quarterly Air Quality Reports (QAQR) due January 30, April 30, July 30, and October 30	Quarterly after COD (Recurring)	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-15	3_OPS	Combined heat input rate to each power train shall not exceed 49,950 MM BTU per calendar day.	Demonstrate compliance in QAQR due January 30, April 30, July 30, and October 30	Quarterly after COD (Recurring)	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-16	3_OPS	Combined cumulative heat input rate for the CTs and HRSG shall not exceed 34,900,000 MM BTU per year.	Demonstrate compliance in Quarterly Air Quality Reports (QAQR) due January 30, April 30, July 30, and October 30	Quarterly after COD (Recurring)	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-17	3_OPS	HRSG duct burners shall not be fired without CT in operation.	Include info on date, time, an duration of any violation in Quarterly Air Quality Reports (due January 30, April 30, July 30, and October 30)	Quarterly after COD (Recurring)	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-18	3_OPS	CT 1 and HRSG 1 shall be abated by SCR whenever fuel is combusted at those sources and catalyst bed has reached minimum operating temp. (BACT for NOx)	Provide information on any major problem in operation of OxCat and SCR (include date, description, and steps taken to resolve) in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-19	3_OPS	CT 2 and HRSG 2 shall be abated by SCR whenever fuel is combusted at those sources and catalyst bed has reached minimum operating temp. (BACT for NOx)	Provide information on any major problem in operation of OxCat and SCR (include date, description, and steps taken to resolve) in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-20	3_OPS	CTs and HRSGs to comply with requirements as listed in the Condition under all operating scenarios, including duct burner firing mode and steam injection power aug mode. Requirements do not apply to CT start-up or shut down. (BACT, PSD...)	Provide info listed in Verification language of condition and include in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-21	3_OPS	Regulated air pollutant mass emission rates shall not exceed limits shown in the Condition. (PSD)	Provide info listed in Condition 20 Verification language of condition and include in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-22	3_OPS	CTs shall not run in startup mode simultaneously (PSD).	Provide info listed in Condition 20 Verification language of condition and include in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-23	3_OPS	Total combined emissions from CTs and HRSG shall not exceed limits specified in Condition during any calendar day.	Provide info listed in Condition 20 Verification language of condition and include in QAQR reports due January 30, April 30, July 30, and Oct. 30 (of each year) Public	Quarterly after COD (Recurring)	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QAQR)	

PG&E Gateway Generating Station Project
California Energy Commission Compliance Matrix
December 31, 2023

Color Code Legend

Construction Phase Condition	Commissioning Phase Condition	Operations Phase Condition	Submitted	Submitted / Approved / Completed
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CEC Cond. No.	Project Phase	Summary of Condition	Submittal Required	Due Date to CEC	Date Submitted/ Completed	Submittal Approved by CEC	Status	Comments
AQ-24	3_OPS	Cumulative combined emissions shall not exceed limits specified in Condition during any consecutive 12 month period.	Provide info listed in Condition 20 Verification language of condition and include in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AQ-25	3_OPS	Maximum projected annual toxic air contaminant emissions from CTs and HRSGs shall not exceed limits specified in Condition .	Owner shall perform a health risk assessment using emission rates determined by source test and most current BAAQMD approved procedures and unit risk factors in effect at the time of the analysis.	Within 60 days of source test date	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AQ-26	3_OPS	Demonstrate compliance with Conditions AQ-14 through 17, 20(a) through 20 (d), 21, 23 (a), 24(a), and 24(b) with CEMs during all hours of operation including equipment startup and shutdowns for all parameters listed in Condition .	Detailed plan on how the measurements and recordings will be performed. CEMS Monitoring Plan	At least 60 days prior to initial operation	8/21/2008		Submitted to CEC & BAAQMD	Record keeping to demonstrate compliance is on-going.
AQ-27	3_OPS	Calculate and record daily the POC, PM10, and SO2 from each power train using actual heat input rates calculated per AQ-26, actual CT startup and shutdown times, and CEC/BAAQMD approved emission factors to calculate emissions. (See additional reporting requirements listed in Condition.)	Provide info listed in Condition 20 Verification language of condition and include in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AQ-28	3_OPS	Calculate and record on an annual basis the maximum projected emissions of formaldehyde, benzene, and specified PAHs.	Provide info listed in Condition 20 Verification language of condition and include in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AQ-30	3_OPS	Conduct District approved source test on exhaust points while CTs and HRSGs are operating at max. load and min. load to demonstrate compliance with AQ-20, and to verify accuracy of CEMS (per Condition AQ-26).	Submit Source Test Protocols /Conduct Source Test 60 days of initial operation and annually thereafter	Within 60 days of first fire, & annually thereafter	Notification: 12/15/2020 (for 2021 ST/RATA), Test (01/11/2021 to 01/15/2021)			
AQ-31a	3_OPS	Obtain approval for all source test procedures from BAAQMD Source Test Section and CPM prior to conducting tests.	Notify BAAQMD Source Test Section and CEC CPM in writing of source test protocols and projected test dates .	At least 7 days prior to source test dates	Notification: 12/15/2020 (for 2021 ST/RATA), Test (01/11/2021 to 01/15/2021)			
AQ-31b	3_OPS	Submit source test results to the District & CEC CPM.	Submit source test results to BAAQMD and CEC CPM.	Within 60 days of conducting source tests	3/11/2021			
AQ-32a	3_OPS	Conduct source test on exhaust point P-11 or P-12 while CT and HRSGs are operating at maximum allowable operating rates to demonstrate compliance with AQ-25 (see Condition for more details) .	Notify BAAQMD Source Test Section and CEC CPM in writing of source test protocols and projected test dates. Conduct Source test 60 days of initial operation and biennial thereafter	At least 7 days prior to source test dates	Notification: 12/15/2020 (for 2021 ST/RATA), Test (01/11/2021 to 01/15/2021)			

PG&E Gateway Generating Station Project
California Energy Commission Compliance Matrix
December 31, 2023

Color Code Legend

Construction Phase Condition	Commissioning Phase Condition	Operations Phase Condition	Submitted	Submitted / Approved / Completed
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CEC Cond. No.	Project Phase	Summary of Condition	Submittal Required	Due Date to CEC	Date Submitted/ Completed	Submittal Approved by CEC	Status	Comments
AQ-32b	3_OPS	Submit source test results to the District & CEC CPM.	Submit source test results to BAAQMD and CEC CPM.	Within 60 days of conducting source tests	3/11/2021			
AQ-33	3_OPS	Submit all reports (monitor breakdowns, CEMS, emission access reports, equipment breakdowns) as required by District Rules or Regulations	Provide info listed in Condition 20 Verification language of condition and include in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AQ-34	3_OPS	Maintain ongoing records and reports on site for a minimum of 5 years (to include but not limited to: CEMS records (firing hours, fuel flows, emission rates, monitor excesses, breakdowns, etc.). Source and analytical records, natural gas sulfur content analysis results, emission calculation record, plant upsets and related incidents.)	Make records available to BAAQMD, ARB, EPA, and CEC.	Ongoing	N/A		On-going (Records are maintained)	
AQ-35	3_OPS	Notify District and CPM of violation of any permit conditions in accordance with applicable BAAQMD rules and regulations.	Submit written notification to Enforcement Division within 96 hours of the violation.	Quarterly after COD (Recurring)	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QACR)	event occurred on 10/19/16
AQ-44	3_OPS	Take monthly gas samples.		Quarterly after COD (Recurring)	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AQ-45b	3_OPS	WSAC shall be properly installed/maintained to minimize drift losses	Sample the water once in July, August and September each year while WSAC is in operation and submit results in QACR.	Quarterly after COD (Recurring)	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AQ-46b	3_OPS	Have WSAC field rep inspect drift eliminators and certify installation was performed satisfactorily. Verify that PM10 emissions do not exceed 4.7 lbs/day based on most recent TDS (see formula in condition).	Report calculated PM10 emissions from WSAC in QACR.	Quarterly after COD (Recurring)	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AQ-47	3_OPS	Fuel gas preheater shall not be operated more than 16 hours in any day.	Submit verification of hours of operation as part of QACR.	Quarterly after COD (Recurring)	Q1: 4/17/2020, Q2: 7/20/2020, Q3:10/23/2020, Q4: 1/27/2021		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AM-1	3_OPS	Conduct Source Test to determine ammonia emission concentration	Submit the results of Source Test with in 60 days of completion	Annually (recurring)	3/11/2021			
BIO-02	3_OPS	Designated Biologist to submit record summaries in the Annual Compliance Report	Provide statement in the Annual Compliance Report whether any actions that affected biological resources occurred on site for the reporting year.	Annually in ACR	3/24/2020		Submitted with this Annual Compliance Report (ACR)	

PG&E Gateway Generating Station Project
California Energy Commission Compliance Matrix
December 31, 2023

Color Code Legend

Construction Phase Condition	Commissioning Phase Condition	Operations Phase Condition	Submitted	Submitted / Approved / Completed
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CEC Cond. No.	Project Phase	Summary of Condition	Submittal Required	Due Date to CEC	Date Submitted/ Completed	Submittal Approved by CEC	Status	Comments
BIO-09	3_OPS	Incorporate a Biological Resource Element that includes biological resource facility closure measures into the facility closure plan and BRMIMP.	at least 12 months prior to commencement of permanent closure activities.	at least 12 months prior to facility closure or earlier if needed				Not needed yet
GEN	3_OPS	Annual Compliance Report (ACR)	Submit Annual Compliance Report (ACR): March 31st of the following calendar year	Annually (recurring)	3/24/2020		Submitted w/ this report	
GEN-09	3_OPS	Submit closure/decommissioning plan	Submit closure/decommissioning plan. Meet with CPM prior to submittal.	12 months prior to closing				Not needed yet
HAZ-01	3_OPS	Do not use any hazardous material not listed in Appendix C of the Final Decision.	Provide list of all hazardous materials used at site in the Annual Compliance Report	Annually in ACR	3/24/2020		Submitted w/ this report (see Exhibit 5)	
PAL-07	3_OPS	Include in facility closure plan a description regarding facility closure activity's potential to impact paleontological resources.	Include description of closure activities.	12 months prior to closure of the facility.				Not needed yet
SOILS & WATER-03	3_OPS	Keep the CPM informed of any modification to the permit, Stormwater Industrial General Permit (IGP).	Submit to CPM: any modification of IGP, submit copy of correspondence with the County on MS4 permit and CVRWQCB, maintain in SWPPP a copy of NOI.	during operation	3/24/2020		Submitted w/ this report	NOI and revised SWPPP was submitted to Waterboard through SMARTS copied on this report
SOILS & WATER-4	3_OPS	During operation, any monitoring reports provided to DD shall be provided to the CPM. The CPM shall be notified of any violations of discharge limits/amounts	Submit any water quality monitoring required by DD to the CPM in annual compliance report. Submit any NOV from DD to the CPM within 10 days of receipt explaining corrective actions taken.	Annually	3/24/2020		Submitted w/ this report	
SOILS & WATER-10b	3_OPS	Submit a water use summary to the CPM in the annual compliance report. Also report on the servicing, testing, and calibration of the meters in the ACR.	Provide information in annual compliance report.	Annually in ACR	3/24/2020		Submitted with ACR: Water use for RY 2016 = 63.6 AF	

PG&E Gateway Generating Station Project
California Energy Commission Compliance Matrix
December 31, 2023

Color Code Legend

Construction Phase Condition	Commissioning Phase Condition	Operations Phase Condition	Submitted	Submitted / Approved / Completed
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CEC Cond. No.	Project Phase	Summary of Condition	Submittal Required	Due Date to CEC	Date Submitted/ Completed	Submittal Approved by CEC	Status	Comments
TLSN-03	3_OPS	Identify and correct complaints of interference with radio or television communications from operation of transmission line. Maintain record of complaints for first five year of operation	Submit reports of line-related interferences and action taken to CPM for the first five year of operation.	Annually in ACR (for 2009-2013)	No longer required starting in RY 2014			
VIS-04c	3_OPS	Install aesthetic screening (trees) along south, east, and north boundaries	Verify in the annual compliance report that maintenance has been performed	Annually in ACR	3/24/2020		Submitted with ACR: appropriate maintenance was performed in RY 2016	

Key Dates:

First Fire	11/1/2008	(CT-A = 11/01/08, CT-B = 11/04/08)
Perf. Tests (Target)	12/6/2008	
Source Test (Started)	1/4/2009	Unit A: 1/4/2009, Unit B: 01/06/2009
Source Test (Completed)	1/14/2009	For Both Units
COD (Target)	2/5/2009	
COD (Actual)	1/4/2009	
COD (Guaranteed)	2/28/2009	
Aq. Ammonia on Site	12/4/2008	
Steam Blow	11/4/2008	
Install Catalyst (SCR/CO)	11/24/2008	(SCR Catalyst = 11/24/08)
Q4 2009 Report	1/30/2010	
Sulfuric Acid on Site	3/1/2009	Planned: March 2009
First Lube	7/14/2008	
Noise Survey(Completed)	1/21/2009	Both Community and in-plant surveys
Sustained output	1/4/2009	
Connection Potable Water	3/17/2008	
Pre-energy E/MF	5/19/2008	
Post-energy E/MF	5/9/2009	(W/in 6 mos of start of operation = first synchronization to grid)
First Synchronization	11/10/2008	(First Synchronization to grid: CT-A : 11/11/08, CT-B : 11/10/08)
Start of operation	1/4/2009	
Annual Compliance Report	3/30/2024	RY 2023 ACR

Gateway Generating Station
(03-AFC-01)

Annual Compliance Report No. 15

Exhibit 2
Key Events List

KEY EVENTS LIST

PROJECT: GATEWAY GENERATING STATION

DOCKET #: 00-AFC-1C

EVENT DESCRIPTION	DATE
Date of Certification	05-30-01
POWER PLANT SITE ACTIVITIES	
Start Site Pre-Mobilization	01-08-07
Start Ground Disturbance	02-02-07
Start Grading	03-12-07
Start Construction	02-05-07
Begin Pouring Major Foundation Concrete	04-09-07
Begin Installation of Major Equipment	02-12-07
Completion of Installation of Major Equipment	10-16-08
First Combustion of Gas Turbine	10-25-08
Start Commercial Operation	12-31-08
Acquisition of second ammonia tank, tank farm facility, and associated property	December 2013
Regulated Substances Deregistration of Anhydrous Ammonia	05/23/2016
Granted exemption to forego sampling of 126 priority pollutants per 40CFR423.17(a)(4)(ii)	7/23/2019
Renewal of Title IV and Title V Permits was approved	09/03/2020
SWITCHYARD & TRANSMISSION TIE-IN ACTIVITIES	
Start Switchyard Construction	10-01-07
Switchyard & Tie-in Complete	04-30-08
Synchronization with Grid and Interconnection	12-01-08
FUEL SUPPLY LINE ACTIVITIES	
Started Gas Pipeline Construction and Interconnection	07-13-07
Completed Gas Pipeline Construction	07-01-08

Gateway Generating Station
(03-AFC-01)

Annual Compliance Report No. 15

Exhibit 3
Water Use Summary
and
City of Antioch Invoices

(To comply with CEC Condition of Certification: SOIL & WATER-10)

PG&E Gateway Generating Station
Water Use Summary
Reporting Period: Jan 2023 - Dec 2023

Date	Water Consumption		
	(gals.)	(cu. feet)	(acre-feet)
Jan-23	57,232	7,650.81	0.18
Feb-23	614,656	82,167.56	1.89
Mar-23	1,303,008	174,186.83	4.00
Apr-23	1,487,248	198,816.14	4.56
May-23	845,152	112,980.39	2.59
Jun-23	1,379,840	184,457.78	4.23
Jul-23	2,656,192	355,081.22	8.15
Aug-23	2,830,240	378,348.06	8.69
Sep-23	2,281,440	304,984.17	7.00
Oct-23	1,851,024	247,445.92	5.68
Nov-23	1,298,304	173,558.00	3.98
Dec-23	1,047,424	140,020.22	3.21
Annual Total:	17,651,760.00	2,359,697.08	54.17

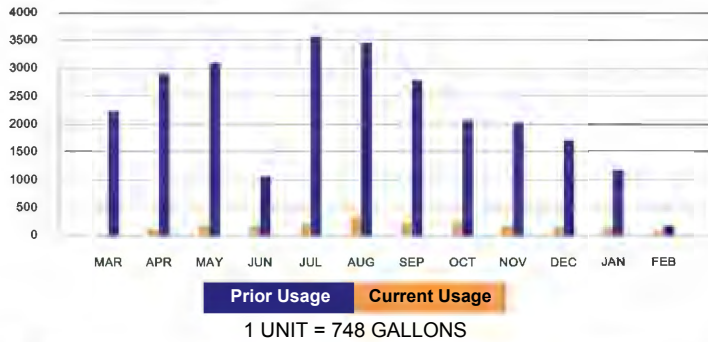
Pay Online: www.municipalonlinepayments.com/antiochca

All Offices are open Monday-Friday

Utility Billing: (925)779-7060 8:00 A.M.-5:00 P.M.

Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	117481	117554	73

SPECIAL MESSAGE

Pay your bill online with no fees.

Visit <https://www.municipalonlinepayments.com/antiochca>

Please make sure you are referencing the account number exactly as it appears on this bill.

Please note, we have a new automated phone number for water payments. The new number is (866)301-8999, this number is available 24/7.

Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 01/01/23 TO 02/01/23
BILLING DATE: 02/02/23

CURRENT CHARGES

WATER \$332.15
USAGE TIER 1 = 73 Units @ 4.55 / UNIT \$332.15
2 " WATER MAINT FEE \$165.00
SEWER \$100.23
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE \$927.20
TOTAL PAYMENTS (LAST PAYMENT 01/26/2023) (\$927.20)
CURRENT CHARGES DUE 02/23/2023 \$622.48
TOTAL BALANCE \$622.48

PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.

PUBLIC WORKS

For sewer problems, water leaks, potholes and street lights, call Public Works at (925) 779-6950 or email publicworks@antioch.gov. For emergencies after hours, on weekends or holidays call Police dispatch at (925) 778-2441.

Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 01/01/23 TO 02/01/23
BILLING DATE: 02/02/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$0.00
CURRENT CHARGES DUE 02/23/2023 \$622.48
TOTAL BALANCE \$622.48

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
3225 Wilbur Ave
Antioch, CA 94509-8546



CITY OF ANTIOCH
PO BOX 981476
WEST SACRAMENTO , CA 95798-1476

00401511010000000622480000000653619

Payment Options



AutoDraft

Have your monthly water bill automatically paid from your checking account.



Online

<https://www.municipalonlinepayments.com/antiochca>

Make a one-time payment or have your monthly bill automatically paid from your credit card.



By Phone - Available 24/7

(866) 301-8999



By Mail

City of Antioch

PO Box 981476

West Sacramento, CA 95798



Smart Phone App

MyCivic Utilities App <https://qrs.ly/x8cemoz>

For iOS and Android



Dropbox

Antioch City Hall

Mid Parking Lot (Drive-Up)

*No Cash



In Person

Antioch City Hall - 1st Floor

200 H Street

Billing

If you have any questions about billing, payment arrangements or to change your billing address, contact Customer Service at service@antiochca.gov or call (925) 779-7060.

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Automated telephone or Internet payments made to avoid disconnection must be made ON or BEFORE the due date specified in your Late or Final Notice to avoid penalties and service charges.



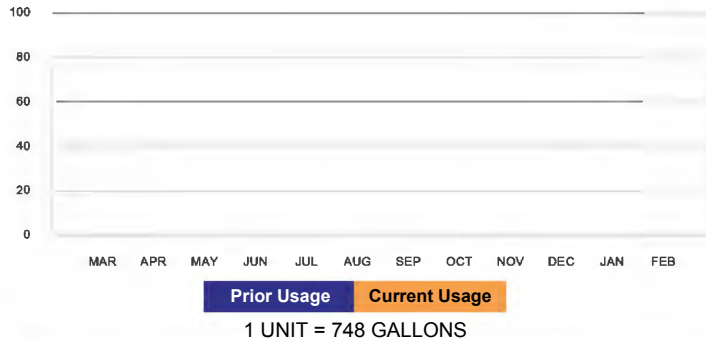
Pay Online: www.municipalonlinepayments.com/antiochca

All Offices are open Monday-Friday

Utility Billing: (925)779-7060 8:00 A.M.-5:00 P.M.

Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752	WATER	0	0	0

SPECIAL MESSAGE

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Please make sure you are referencing the account number exactly as it appears on this bill.

Please note, we have a new automated phone number for water payments. The new number is (866)301-8999, this number is available 24/7.

Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 01/01/23 TO 02/01/23
BILLING DATE: 02/02/23

CURRENT CHARGES

FL DET CHK 6" \$47.80
5/8"X3/4" MAINT FEE \$24.40
BACKFLOW DEVICE \$5.30

AMOUNT NOW DUE

PREVIOUS BALANCE \$77.50
TOTAL PAYMENTS (LAST PAYMENT 01/26/2023) (\$77.50)
CURRENT CHARGES DUE 02/23/2023 \$77.50
TOTAL BALANCE \$77.50

PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.

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Payment Coupon

ACCOUNT INFORMATION

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SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 01/01/23 TO 02/01/23
BILLING DATE: 02/02/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$0.00
CURRENT CHARGES DUE 02/23/2023 \$77.50
TOTAL BALANCE \$77.50

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
3225 Wilbur Ave
Antioch, CA 94509-8546

CITY OF ANTIOCH
PO BOX 981476
WEST SACRAMENTO , CA 95798-1476

00401512010000000077500000000081387

Payment Options



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Dropbox

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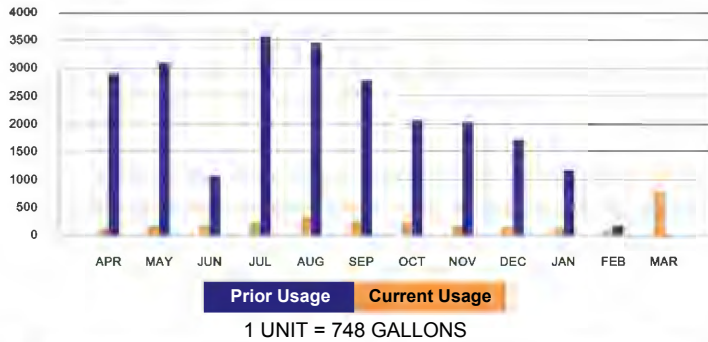
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Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	117554	118338	784

SPECIAL MESSAGE

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Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 02/01/23 TO 03/02/23
BILLING DATE: 03/07/23

CURRENT CHARGES

WATER \$3,567.20
USAGE TIER 1 = 784 Units @ 4.55 / UNIT \$3,567.20
2" WATER MAINT FEE \$165.00
SEWER \$1,031.64
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE \$622.48
TOTAL PAYMENTS (LAST PAYMENT 02/21/2023) (\$622.48)
CURRENT CHARGES DUE 03/28/2023 \$4,788.94
TOTAL BALANCE \$4,788.94

PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 02/01/23 TO 03/02/23
BILLING DATE: 03/07/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$0.00
CURRENT CHARGES DUE 03/28/2023 \$4,788.94
TOTAL BALANCE \$4,788.94

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
3225 Wilbur Ave
Antioch, CA 94509-8546



CITY OF ANTIOCH
PO BOX 981476
WEST SACRAMENTO, CA 95798-1476

00401511010000004788940000005028393

Payment Options



AutoDraft

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By Phone - Available 24/7

(866) 301-8999



By Mail

City of Antioch

PO Box 981476

West Sacramento, CA 95798



Smart Phone App

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Dropbox

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In Person

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200 H Street

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Billing Statement

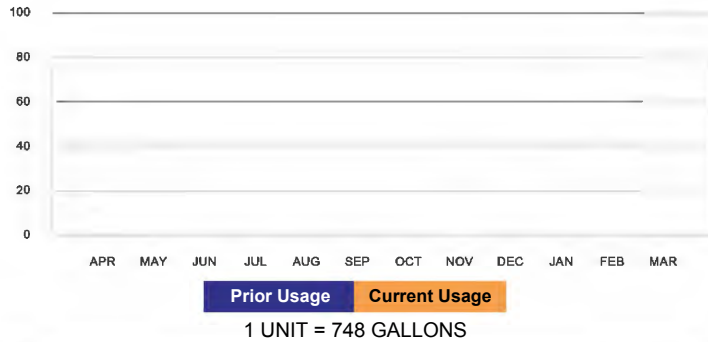
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Utility Billing: (925)779-7060 8:00 A.M.-5:00 P.M.

Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752	WATER	0	0	0

SPECIAL MESSAGE

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ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 02/01/23 TO 03/02/23
BILLING DATE: 03/07/23

CURRENT CHARGES

5/8"X3/4" MAINT FEE \$24.40
FL DET CHK 6" \$47.80
BACKFLOW DEVICE \$5.30

AMOUNT NOW DUE

PREVIOUS BALANCE \$77.50
TOTAL PAYMENTS (LAST PAYMENT 02/21/2023) (\$77.50)
CURRENT CHARGES DUE 03/28/2023 \$77.50
TOTAL BALANCE \$77.50

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 02/01/23 TO 03/02/23
BILLING DATE: 03/07/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$0.00
CURRENT CHARGES DUE 03/28/2023 \$77.50
TOTAL BALANCE \$77.50

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
3225 Wilbur Ave
Antioch, CA 94509-8546



CITY OF ANTIOCH
PO BOX 981476
WEST SACRAMENTO, CA 95798-1476

0040151201000000007750000000081387

Payment Options



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(866) 301-8999



By Mail

City of Antioch

PO Box 981476

West Sacramento, CA 95798



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Dropbox

Antioch City Hall

Mid Parking Lot (Drive-Up)

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200 H Street

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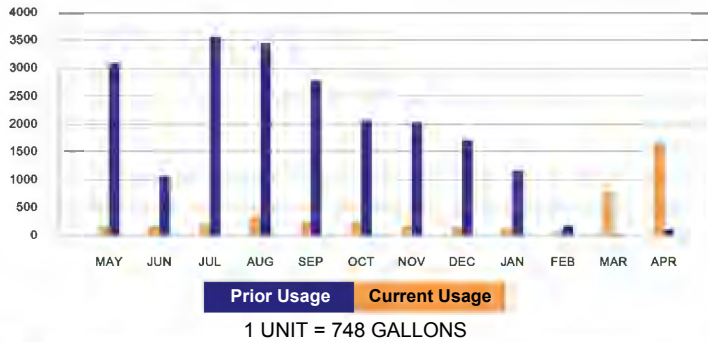
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Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	118338	120000	1662

SPECIAL MESSAGE

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Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 03/02/23 TO 04/01/23
BILLING DATE: 04/04/23

CURRENT CHARGES

WATER \$7,562.10
USAGE TIER 1 = 1662 Units @ 4.55 / UNIT \$7,562.10
2 " WATER MAINT FEE \$165.00
SEWER \$2,181.82
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE \$4,788.94
TOTAL PAYMENTS (LAST PAYMENT 03/29/2023) (\$5,028.39)
TOTAL PENALTIES \$239.45
CURRENT CHARGES DUE 04/25/2023 \$9,934.02
TOTAL BALANCE \$9,934.02

PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 03/02/23 TO 04/01/23
BILLING DATE: 04/04/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$0.00
CURRENT CHARGES DUE 04/25/2023 \$9,934.02
TOTAL BALANCE \$9,934.02

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
3225 Wilbur Ave
Antioch, CA 94509-8546



CITY OF ANTIOCH
PO BOX 981476
WEST SACRAMENTO , CA 95798-1476

00401511010000009934020000010430738

Payment Options



AutoDraft

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West Sacramento, CA 95798



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Antioch City Hall

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200 H Street

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Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 03/02/23 TO 04/01/23
BILLING DATE: 04/04/23

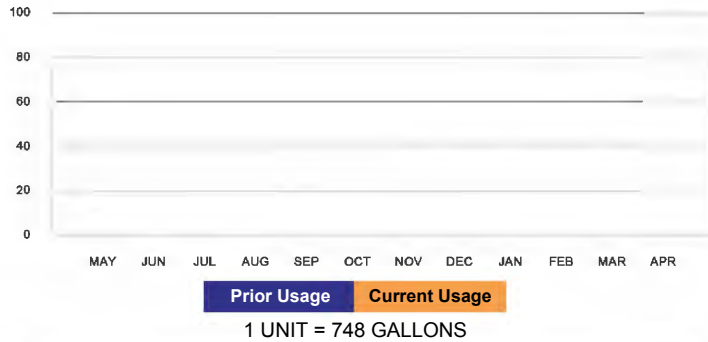
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Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752	WATER	0	0	0

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CURRENT CHARGES

5/8"X3/4" MAINT FEE	\$24.40
FL DET CHK 6"	\$47.80
BACKFLOW DEVICE	\$5.30

AMOUNT NOW DUE

PREVIOUS BALANCE	\$77.50
TOTAL PAYMENTS (LAST PAYMENT 03/29/2023)	(\$81.38)
TOTAL PENALTIES	\$3.88
CURRENT CHARGES DUE 04/25/2023	\$77.50
TOTAL BALANCE	\$77.50

PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 03/02/23 TO 04/01/23
BILLING DATE: 04/04/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE	\$0.00
CURRENT CHARGES DUE 04/25/2023	\$77.50
TOTAL BALANCE	\$77.50

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
3225 Wilbur Ave
Antioch, CA 94509-8546



CITY OF ANTIOCH
PO BOX 981476
WEST SACRAMENTO , CA 95798-1476

00401512010000000077500000000081387

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Billing Statement

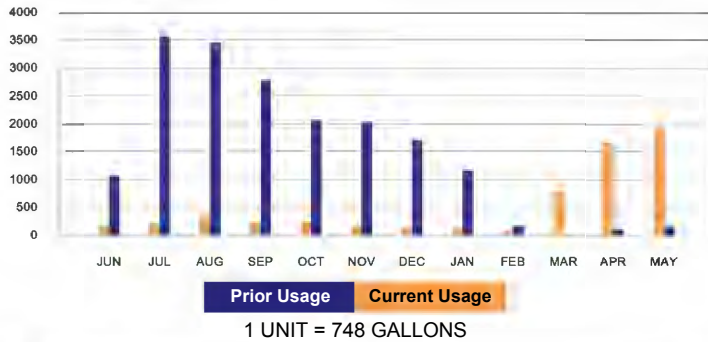
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Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	120000	121897	1897

SPECIAL MESSAGE

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ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 04/01/23 TO 05/01/23
BILLING DATE: 05/02/23

CURRENT CHARGES

WATER \$8,631.35
USAGE TIER 1 = 1897 Units @ 4.55 / UNIT \$8,631.35
2 " WATER MAINT FEE \$165.00
SEWER \$2,489.67
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE \$9,934.02
TOTAL PAYMENTS \$0.00
TOTAL PENALTIES \$496.71
CURRENT CHARGES DUE 05/23/2023 \$11,311.12
TOTAL BALANCE \$21,741.85

PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 04/01/23 TO 05/01/23
BILLING DATE: 05/02/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$10,430.73
CURRENT CHARGES DUE 05/23/2023 \$11,311.12
TOTAL BALANCE \$21,741.85

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
3225 Wilbur Ave
Antioch, CA 94509-8546



CITY OF ANTIOCH
PO BOX 981476
WEST SACRAMENTO , CA 95798-1476

00401511010000021741850000022307415

Payment Options



AutoDraft

Have your monthly water bill automatically paid from your checking account.



Online

<https://www.municipalonlinepayments.com/antiochca>

Make a one-time payment or have your monthly bill automatically paid from your credit card.



By Phone - Available 24/7

(866) 301-8999



By Mail

City of Antioch

PO Box 981476

West Sacramento, CA 95798



Smart Phone App

MyCivic Utilities App <https://qrs.ly/x8cemoz>

For iOS and Android



Dropbox

Antioch City Hall

Mid Parking Lot (Drive-Up)

*No Cash



In Person

Antioch City Hall - 1st Floor

200 H Street

Billing

If you have any questions about billing, payment arrangements or to change your billing address, contact Customer Service at service@antiochca.gov or call (925) 779-7060.

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Billing Statement

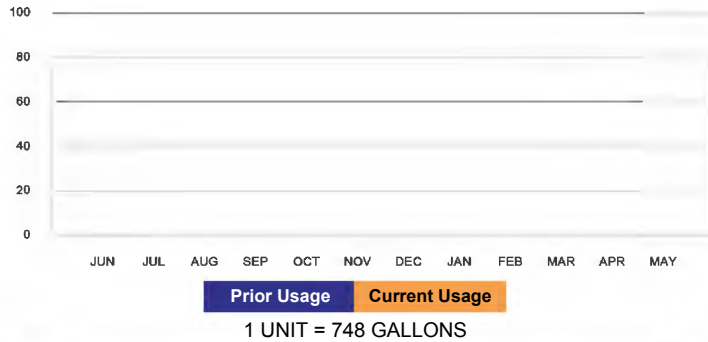
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Utility Billing: (925)779-7060 8:00 A.M.-5:00 P.M.

Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752	WATER	0	0	0

SPECIAL MESSAGE

Pay your bill online with no fees.
Visit <https://www.municipalonlinepayments.com/antiochca>

Please make sure you are referencing the account number exactly as it appears on this bill.

Please note, we have a new automated phone number for water payments. The new number is (866)301-8999, this number is available 24/7.

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 04/01/23 TO 05/01/23
BILLING DATE: 05/02/23

CURRENT CHARGES

FL DET CHK 6" \$47.80
5/8"X3/4" MAINT FEE \$24.40
BACKFLOW DEVICE \$5.30

AMOUNT NOW DUE

PREVIOUS BALANCE \$77.50
TOTAL PAYMENTS \$0.00
TOTAL PENALTIES \$3.88
CURRENT CHARGES DUE 05/23/2023 \$77.50
TOTAL BALANCE \$158.88

PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.

PUBLIC WORKS

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 04/01/23 TO 05/01/23
BILLING DATE: 05/02/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$81.38
CURRENT CHARGES DUE 05/23/2023 \$77.50
TOTAL BALANCE \$158.88

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
3225 Wilbur Ave
Antioch, CA 94509-8546

CITY OF ANTIOCH
PO BOX 981476
WEST SACRAMENTO , CA 95798-1476

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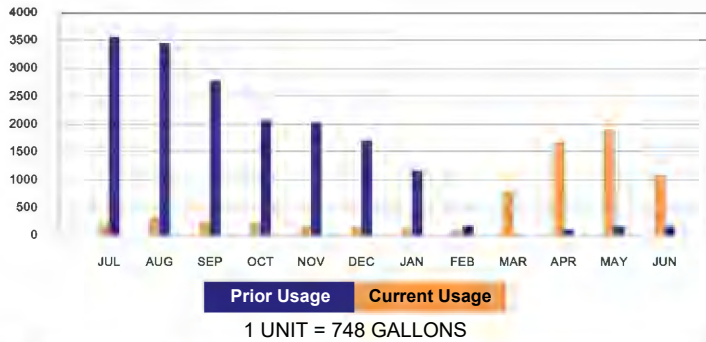
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YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	121897	122975	1078

SPECIAL MESSAGE

Having trouble paying your water bill? You may qualify for assistance. Please call 925-267-6624 or visit csbheap@ehsd.cccounty.us for more information.

Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 05/01/23 TO 06/01/23
BILLING DATE: 06/06/23

CURRENT CHARGES

WATER \$4,904.90
USAGE TIER 1 = 1078 Units @ 4.55 / UNIT \$4,904.90
2 " WATER MAINT FEE \$165.00
SEWER \$1,416.78
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE \$21,741.85
TOTAL PAYMENTS (LAST PAYMENT 06/05/2023) (\$21,819.35)
TOTAL PENALTIES \$565.56
CURRENT CHARGES DUE 06/27/2023 \$6,511.78
TOTAL BALANCE \$6,999.84

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ACCOUNT INFORMATION

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SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 05/01/23 TO 06/01/23
BILLING DATE: 06/06/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$488.06
CURRENT CHARGES DUE 06/27/2023 \$6,511.78
TOTAL BALANCE \$6,999.84

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
3225 Wilbur Ave
Antioch, CA 94509-8546



CITY OF ANTIOCH
PO BOX 981476
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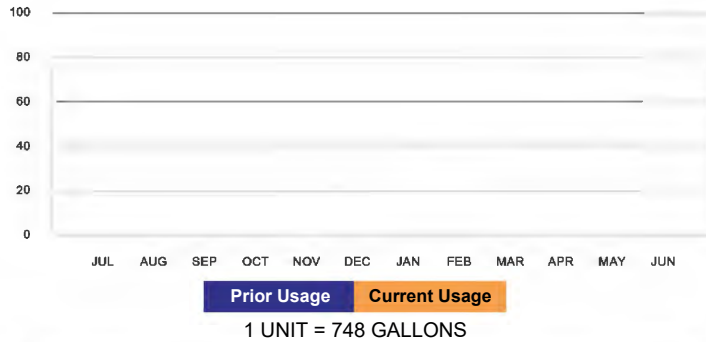
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YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752	WATER	0	0	0

SPECIAL MESSAGE

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Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 05/01/23 TO 06/01/23
BILLING DATE: 06/06/23

CURRENT CHARGES

FL DET CHK 6" \$47.80
5/8"X3/4" MAINT FEE \$24.40
BACKFLOW DEVICE \$5.30

AMOUNT NOW DUE

PREVIOUS BALANCE \$158.88
TOTAL PAYMENTS (LAST PAYMENT 05/02/2023) (\$81.38)
TOTAL PENALTIES \$3.88
CURRENT CHARGES DUE 06/27/2023 \$77.50
TOTAL BALANCE \$158.88

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Payment Coupon

ACCOUNT INFORMATION

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SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 05/01/23 TO 06/01/23
BILLING DATE: 06/06/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$81.38
CURRENT CHARGES DUE 06/27/2023 \$77.50
TOTAL BALANCE \$158.88

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
3225 Wilbur Ave
Antioch, CA 94509-8546



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WEST SACRAMENTO, CA 95798-1476

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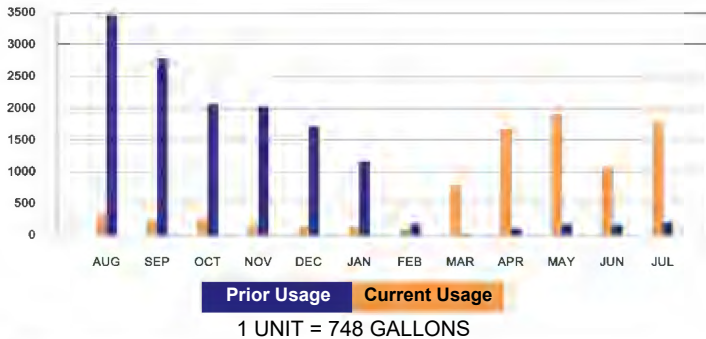
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YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	122975	124735	1760

SPECIAL MESSAGE

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Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 06/01/23 TO 07/01/23
BILLING DATE: 07/06/23

CURRENT CHARGES

WATER \$8,008.00
USAGE TIER 1 = 1760 Units @ 4.55 / UNIT \$8,008.00
2" WATER MAINT FEE \$165.00
SEWER \$2,310.20
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE \$6,999.84
TOTAL PAYMENTS (LAST PAYMENT 06/29/2023) (\$6,999.84)
TOTAL PENALTIES \$325.60
CURRENT CHARGES DUE 07/27/2023 \$10,508.30
TOTAL BALANCE \$10,833.90

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ACCOUNT INFORMATION

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SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 06/01/23 TO 07/01/23
BILLING DATE: 07/06/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$325.60
CURRENT CHARGES DUE 07/27/2023 \$10,508.30
TOTAL BALANCE \$10,833.90

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
3225 Wilbur Ave
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PO BOX 981476
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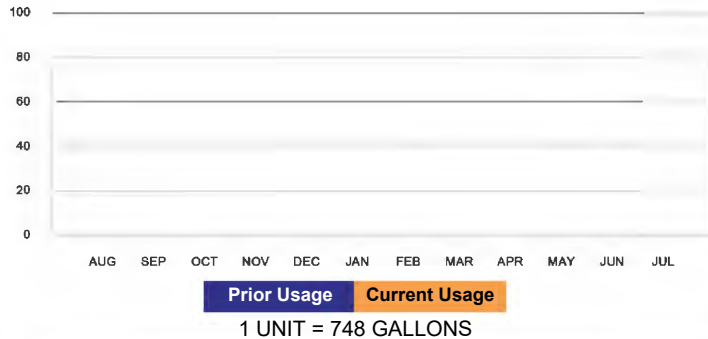
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YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752	WATER	0	0	0

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SERVICE ADDRESS: 3225 Wilbur Ave
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BILLING DATE: 07/06/23

CURRENT CHARGES

FL DET CHK 6" \$47.80
5/8"X3/4" MAINT FEE \$24.40
BACKFLOW DEVICE \$5.30

AMOUNT NOW DUE

PREVIOUS BALANCE \$158.88
TOTAL PAYMENTS (LAST PAYMENT 06/29/2023) (\$158.88)
TOTAL PENALTIES \$3.88
CURRENT CHARGES DUE 07/27/2023 \$77.50
TOTAL BALANCE \$81.38

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BILLING DATE: 07/06/23



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AMOUNT DUE

PAST DUE BALANCE \$3.88
CURRENT CHARGES DUE 07/27/2023 \$77.50
TOTAL BALANCE \$81.38

AMOUNT ENCLOSED

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CITY OF ANTIOCH
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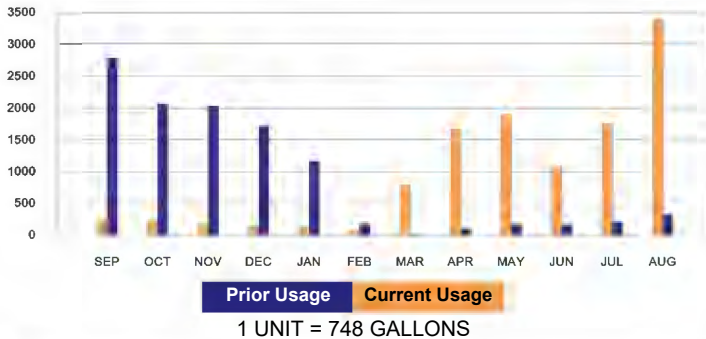
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YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	124735	128123	3388

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SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 07/01/23 TO 08/01/23
BILLING DATE: 08/03/23

CURRENT CHARGES

WATER \$15,415.40
USAGE TIER 1 = 3388 Units @ 4.55 / UNIT \$15,415.40
2" WATER MAINT FEE \$165.00
SEWER \$4,442.88
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE \$10,833.90
TOTAL PAYMENTS (LAST PAYMENT 07/28/2023) (\$10,833.90)
TOTAL PENALTIES \$525.42
CURRENT CHARGES DUE 08/24/2023 \$20,048.38
TOTAL BALANCE \$20,573.80

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AMOUNT DUE

PAST DUE BALANCE \$525.42
CURRENT CHARGES DUE 08/24/2023 \$20,048.38
TOTAL BALANCE \$20,573.80

AMOUNT ENCLOSED

REMIT PAYMENT TO:

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Billing Statement

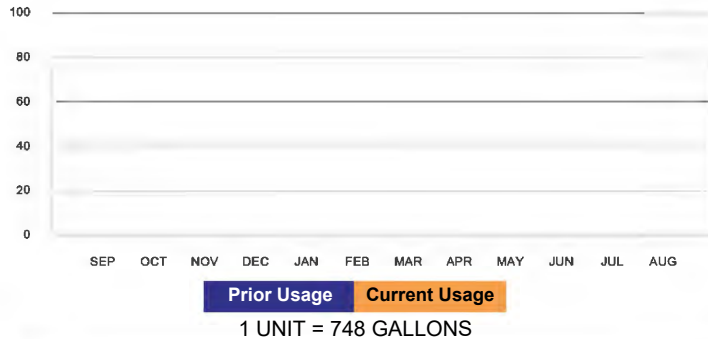
Pay Online: www.municipalonlinepayments.com/antiochca

All Offices are open Monday-Friday

Utility Billing: (925)779-7060 8:00 A.M.-5:00 P.M.

Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752	WATER	0	0	0

SPECIAL MESSAGE

Having trouble paying your water bill? You may qualify for assistance. Please call 925-267-6624 or visit csbheap@ehsd.cccounty.us for more information.

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 07/01/23 TO 08/01/23
BILLING DATE: 08/03/23

CURRENT CHARGES

5/8"X3/4" MAINT FEE \$24.40
FL DET CHK 6" \$47.80
BACKFLOW DEVICE \$5.30

AMOUNT NOW DUE

PREVIOUS BALANCE \$81.38
TOTAL PAYMENTS (LAST PAYMENT 07/28/2023) (\$81.38)
TOTAL PENALTIES \$3.88
CURRENT CHARGES DUE 08/24/2023 \$77.50
TOTAL BALANCE \$81.38

PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.

PUBLIC WORKS

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 07/01/23 TO 08/01/23
BILLING DATE: 08/03/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$3.88
CURRENT CHARGES DUE 08/24/2023 \$77.50
TOTAL BALANCE \$81.38

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
3225 Wilbur Ave
Antioch, CA 94509-8546



CITY OF ANTIOCH
PO BOX 981476
WEST SACRAMENTO , CA 95798-1476

00401512010000000081380000000081380

Payment Options



AutoDraft

Have your monthly water bill automatically paid from your checking account.



Online

<https://www.municipalonlinepayments.com/antiochca>

Make a one-time payment or have your monthly bill automatically paid from your credit card.



By Phone - Available 24/7

(866) 301-8999



By Mail

City of Antioch
PO Box 981476
West Sacramento, CA 95798



Smart Phone App

MyCivic Utilities App <https://qrs.ly/x8cemoz>
For iOS and Android



Dropbox

Antioch City Hall
Mid Parking Lot (Drive-Up)
*No Cash



In Person

Antioch City Hall - 1st Floor
200 H Street

Billing

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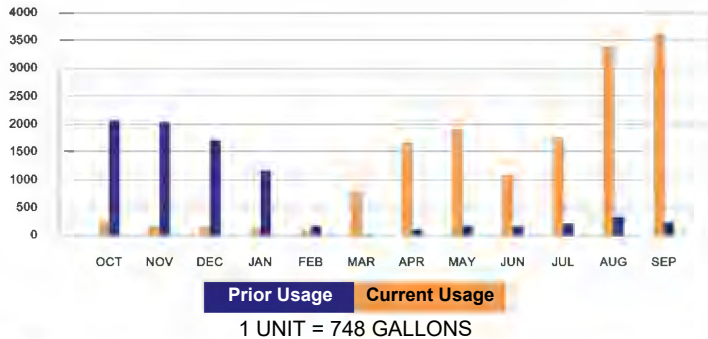
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YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	128123	131733	3610

SPECIAL MESSAGE

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Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 08/01/23 TO 09/01/23
BILLING DATE: 09/06/23

CURRENT CHARGES

WATER \$16,425.50
USAGE TIER 1 = 3610 Units @ 4.55 / UNIT \$16,425.50
2" WATER MAINT FEE \$165.00
SEWER \$4,733.70
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE \$20,573.80
TOTAL PAYMENTS (LAST PAYMENT 08/25/2023) (\$20,573.80)
TOTAL PENALTIES \$1,002.42
CURRENT CHARGES DUE 09/27/2023 \$21,349.30
TOTAL BALANCE \$22,351.72

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 08/01/23 TO 09/01/23
BILLING DATE: 09/06/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$1,002.42
CURRENT CHARGES DUE 09/27/2023 \$21,349.30
TOTAL BALANCE \$22,351.72

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
3225 Wilbur Ave
Antioch, CA 94509-8546



CITY OF ANTIOCH
PO BOX 981476
WEST SACRAMENTO, CA 95798-1476

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Payment Options



AutoDraft

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Online

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By Phone - Available 24/7

(866) 301-8999



By Mail

City of Antioch
PO Box 981476
West Sacramento, CA 95798



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Dropbox

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YOUR MONTHLY USAGE



Prior Usage Current Usage

1 UNIT = 748 GALLONS

Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752	WATER	0	0	0

SPECIAL MESSAGE

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ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 08/01/23 TO 09/01/23
BILLING DATE: 09/06/23

CURRENT CHARGES

5/8"X3/4" MAINT FEE \$24.40
FL DET CHK 6" \$47.80
BACKFLOW DEVICE \$5.30

AMOUNT NOW DUE

PREVIOUS BALANCE \$81.38
TOTAL PAYMENTS (LAST PAYMENT 08/25/2023) (\$81.38)
TOTAL PENALTIES \$3.88
CURRENT CHARGES DUE 09/27/2023 \$77.50
TOTAL BALANCE \$81.38

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Payment Coupon

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SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 08/01/23 TO 09/01/23
BILLING DATE: 09/06/23



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AMOUNT DUE

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CURRENT CHARGES DUE 09/27/2023 \$77.50
TOTAL BALANCE \$81.38

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
3225 Wilbur Ave
Antioch, CA 94509-8546



CITY OF ANTIOCH
PO BOX 981476
WEST SACRAMENTO , CA 95798-1476

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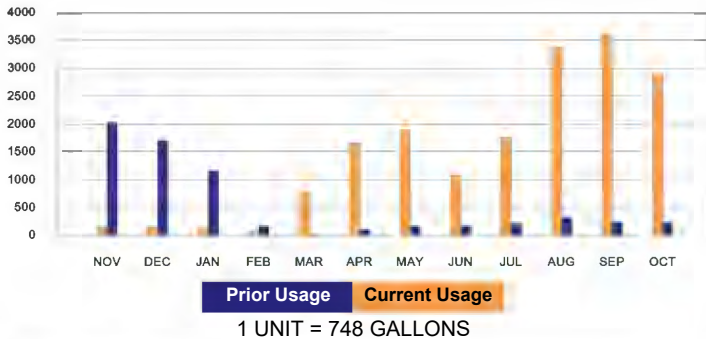
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YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	131733	134643	2910

SPECIAL MESSAGE

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ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 09/01/23 TO 10/01/23
BILLING DATE: 10/04/23

CURRENT CHARGES

WATER \$13,240.50
USAGE TIER 1 = 2910 Units @ 4.55 / UNIT \$13,240.50
2" WATER MAINT FEE \$165.00
SEWER \$3,816.70
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE \$22,351.72
TOTAL PAYMENTS (LAST PAYMENT 09/19/2023) (\$22,351.72)
CURRENT CHARGES DUE 10/25/2023 \$17,247.30
TOTAL BALANCE \$17,247.30

PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 09/01/23 TO 10/01/23
BILLING DATE: 10/04/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$0.00
CURRENT CHARGES DUE 10/25/2023 \$17,247.30
TOTAL BALANCE \$17,247.30

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
3225 Wilbur Ave
Antioch, CA 94509-8546



CITY OF ANTIOCH
PO BOX 981476
WEST SACRAMENTO, CA 95798-1476

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Payment Options



AutoDraft

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Online

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By Phone - Available 24/7

(866) 301-8999



By Mail

City of Antioch

PO Box 981476

West Sacramento, CA 95798



Smart Phone App

MyCivic Utilities App <https://qrs.ly/x8cemoz>

For iOS and Android



Dropbox

Antioch City Hall

Mid Parking Lot (Drive-Up)

*No Cash



In Person

Antioch City Hall - 1st Floor

200 H Street

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YOUR MONTHLY USAGE



Prior Usage Current Usage

1 UNIT = 748 GALLONS

Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752	WATER	0	0	0

SPECIAL MESSAGE

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ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 09/01/23 TO 10/01/23
BILLING DATE: 10/04/23

CURRENT CHARGES

FL DET CHK 6" \$47.80
5/8"X3/4" MAINT FEE \$24.40
BACKFLOW DEVICE \$5.30

AMOUNT NOW DUE

PREVIOUS BALANCE \$81.38
TOTAL PAYMENTS (LAST PAYMENT 09/19/2023) (\$81.38)
CURRENT CHARGES DUE 10/25/2023 \$77.50
TOTAL BALANCE \$77.50

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Payment Coupon

ACCOUNT INFORMATION

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SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 09/01/23 TO 10/01/23
BILLING DATE: 10/04/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$0.00
CURRENT CHARGES DUE 10/25/2023 \$77.50
TOTAL BALANCE \$77.50

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
3225 Wilbur Ave
Antioch, CA 94509-8546



CITY OF ANTIOCH
PO BOX 981476
WEST SACRAMENTO , CA 95798-1476

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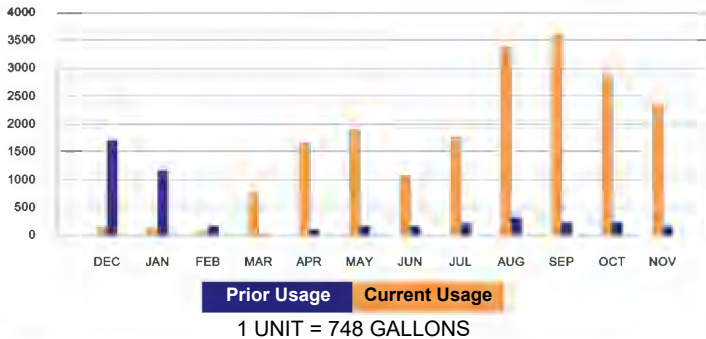
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YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	134643	137004	2361

SPECIAL MESSAGE

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ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 10/01/23 TO 11/01/23
BILLING DATE: 11/06/23

CURRENT CHARGES

WATER \$10,742.55
USAGE TIER 1 = 2361 Units @ 4.55 / UNIT \$10,742.55
2" WATER MAINT FEE \$165.00
SEWER \$3,097.51
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE \$17,247.30
TOTAL PAYMENTS (LAST PAYMENT 10/17/2023) (\$17,247.30)
CURRENT CHARGES DUE 11/27/2023 \$14,030.16
TOTAL BALANCE \$14,030.16

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Payment Coupon

ACCOUNT INFORMATION

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SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 10/01/23 TO 11/01/23
BILLING DATE: 11/06/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$0.00
CURRENT CHARGES DUE 11/27/2023 \$14,030.16
TOTAL BALANCE \$14,030.16

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
3225 Wilbur Ave
Antioch, CA 94509-8546



CITY OF ANTIOCH
PO BOX 981476
WEST SACRAMENTO, CA 95798-1476

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YOUR MONTHLY USAGE



Prior Usage Current Usage

1 UNIT = 748 GALLONS

Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752-A	WATER	0	0	0
31752	WATER	0	0	0

SPECIAL MESSAGE

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CURRENT CHARGES

5/8"X3/4" MAINT FEE	\$24.40
FL DET CHK 6"	\$47.80
BACKFLOW DEVICE	\$5.30

AMOUNT NOW DUE

PREVIOUS BALANCE	\$77.50
TOTAL PAYMENTS (LAST PAYMENT 10/17/2023)	(\$77.50)
CURRENT CHARGES DUE 11/27/2023	\$77.50
TOTAL BALANCE	\$77.50

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BILLING DATE: 11/06/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE	\$0.00
CURRENT CHARGES DUE 11/27/2023	\$77.50
TOTAL BALANCE	\$77.50

AMOUNT ENCLOSED

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CITY OF ANTIOCH
PO BOX 981476
WEST SACRAMENTO , CA 95798-1476

0040151201000000007750000000081387

Payment Options



AutoDraft

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Online

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By Phone - Available 24/7

(866) 301-8999



By Mail

City of Antioch

PO Box 981476

West Sacramento, CA 95798



Smart Phone App

MyCivic Utilities App <https://qrs.ly/x8cemoz>

For iOS and Android



Dropbox

Antioch City Hall

Mid Parking Lot (Drive-Up)

*No Cash



In Person

Antioch City Hall - 1st Floor

200 H Street

Billing

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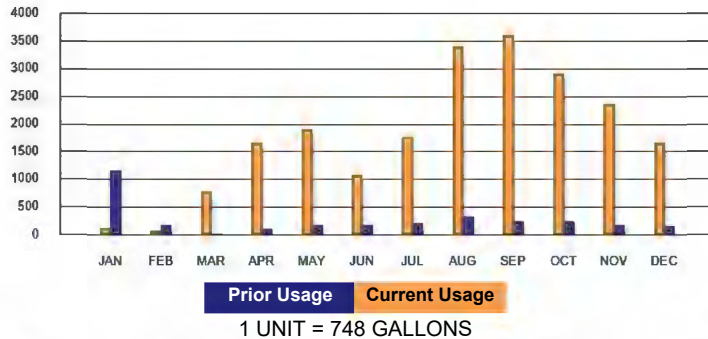
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Utility Billing: (925)779-7060 8:00 A.M.-5:00 P.M.

Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	137004	138660	1656

SPECIAL MESSAGE

Having trouble paying your water bill? You may qualify for assistance. Please call 925-267-6624 or visit csbheap@ehsd.cccounty.us for more information.

Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
 SERVICE ADDRESS: 3225 Wilbur Ave
 SERVICE PERIOD: 11/01/23 TO 12/01/23
 BILLING DATE: 12/04/23

CURRENT CHARGES

WATER \$7,534.80
 USAGE TIER 1 = 1656 Units @ 4.55 / UNIT \$7,534.80
 2" WATER MAINT FEE \$165.00
 SEWER \$2,173.96
 BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE \$14,030.16
 TOTAL PAYMENTS \$0.00
 TOTAL PENALTIES \$701.52
 CURRENT CHARGES DUE 12/27/2023 \$9,898.86
TOTAL BALANCE \$24,630.54

PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.

PUBLIC WORKS

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
 SERVICE ADDRESS: 3225 Wilbur Ave
 SERVICE PERIOD: 11/01/23 TO 12/01/23
 BILLING DATE: 12/04/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$14,731.68
 CURRENT CHARGES DUE 12/27/2023 \$9,898.86
TOTAL BALANCE \$24,630.54

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
 3225 Wilbur Ave
 Antioch, CA 94509-8546



CITY OF ANTIOCH
 PO BOX 981476
 WEST SACRAMENTO, CA 95798-1476

00401511010000024630540000025125491

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YOUR MONTHLY USAGE



Prior Usage Current Usage

1 UNIT = 748 GALLONS

Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752	WATER	0	0	0

SPECIAL MESSAGE

Having trouble paying your water bill? You may qualify for assistance. Please call 925-267-6624 or visit csbheap@ehsd.cccounty.us for more information.

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 11/01/23 TO 12/01/23
BILLING DATE: 12/04/23

CURRENT CHARGES

5/8"X3/4" MAINT FEE \$24.40
FL DET CHK 6" \$47.80
BACKFLOW DEVICE \$5.30

AMOUNT NOW DUE

PREVIOUS BALANCE \$77.50
TOTAL PAYMENTS \$0.00
TOTAL PENALTIES \$3.88
CURRENT CHARGES DUE 12/27/2023 \$77.50
TOTAL BALANCE \$158.88

PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 11/01/23 TO 12/01/23
BILLING DATE: 12/04/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$81.38
CURRENT CHARGES DUE 12/27/2023 \$77.50
TOTAL BALANCE \$158.88

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
3225 Wilbur Ave
Antioch, CA 94509-8546

CITY OF ANTIOCH
PO BOX 981476
WEST SACRAMENTO , CA 95798-1476

00401512010000000158880000000162760

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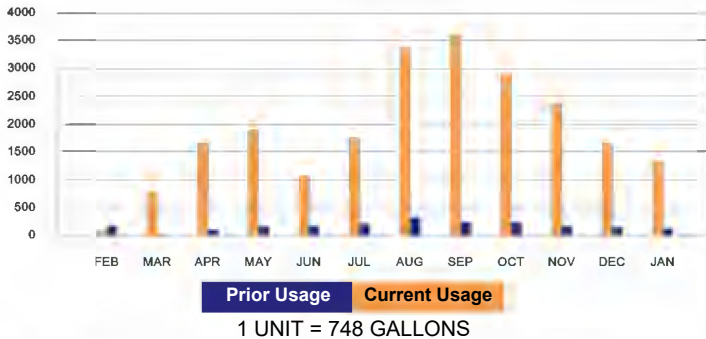
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YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	138660	139996	1336

SPECIAL MESSAGE

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ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 12/01/23 TO 01/01/24
BILLING DATE: 01/04/24

CURRENT CHARGES

WATER \$6,078.80
USAGE TIER 1 = 1336 Units @ 4.55 / UNIT \$6,078.80
2 " WATER MAINT FEE \$165.00
SEWER \$1,754.76
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE \$24,630.54
TOTAL PAYMENTS (LAST PAYMENT 12/27/2023) (\$24,630.54)
CURRENT CHARGES DUE 01/25/2024 \$8,023.66
TOTAL BALANCE \$8,023.66

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 12/01/23 TO 01/01/24
BILLING DATE: 01/04/24



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$0.00
CURRENT CHARGES DUE 01/25/2024 \$8,023.66
TOTAL BALANCE \$8,023.66

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
3225 Wilbur Ave
Antioch, CA 94509-8546



CITY OF ANTIOCH
PO BOX 981476
WEST SACRAMENTO , CA 95798-1476

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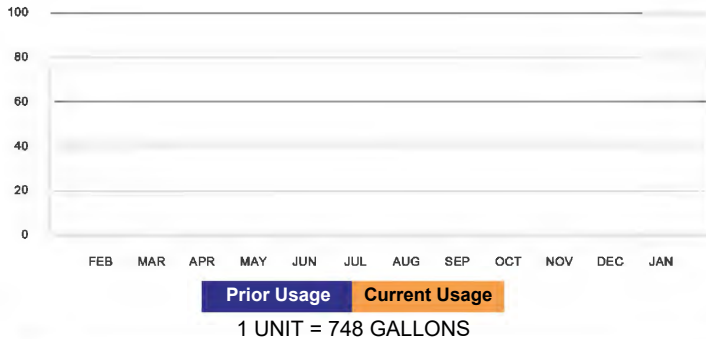
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YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752	WATER	0	0	0

SPECIAL MESSAGE

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ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 12/01/23 TO 01/01/24
BILLING DATE: 01/04/24

CURRENT CHARGES

5/8"X3/4" MAINT FEE \$24.40
FL DET CHK 6" \$47.80
BACKFLOW DEVICE \$5.30

AMOUNT NOW DUE

PREVIOUS BALANCE \$158.88
TOTAL PAYMENTS (LAST PAYMENT 12/27/2023) (\$158.88)
CURRENT CHARGES DUE 01/25/2024 \$77.50
TOTAL BALANCE \$77.50

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Payment Coupon

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SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 12/01/23 TO 01/01/24
BILLING DATE: 01/04/24



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$0.00
CURRENT CHARGES DUE 01/25/2024 \$77.50
TOTAL BALANCE \$77.50

AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E
3225 Wilbur Ave
Antioch, CA 94509-8546



CITY OF ANTIOCH
PO BOX 981476
WEST SACRAMENTO , CA 95798-1476

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Gateway Generating Station
(00-AFC-1C)

Annual Compliance Report No. 15

Exhibit 4
Quarterly Self-Monitoring Reports to DD,
Notice of Violation/Corrective Action
(Condition of Certification SOIL&WATER-4)

Gateway Generating Station
(00-AFC-1C)

Annual Compliance Report No. 15

Exhibit 4a
Quarterly Self-Monitoring Reports to DD,
(Condition of Certification SOIL&WATER-4)



**Pacific Gas and
Electric Company®**

Mailing Address:
Pacific Gas & Electric Company
Gateway Generating Station
3225 Wilbur Ave.
Antioch, CA 94509
(925) 522-7801

RECEIVED BY: *[Signature]*
4/17/23

April 12, 2023

Mr. Jason Yun
Delta Diablo Sanitation District (DD)
2500 Pittsburg-Antioch Hwy.
Antioch, CA 94509-1373

Reference: Pacific Gas and Electric Company - Gateway Generating Station
DD Industrial Wastewater Discharge Permit
Permit Number: 0208841-C

Subject: Quarterly Self-Monitoring Report
Diablo Industrial Wastewater Discharge Permit Number 0208841-C
(For Period Ending March 31, 2023)

Dear Mr. Yun,

Attached is the Quarterly Self-Monitoring Report (SMR) for Pacific Gas and Electric Company - Gateway Generating Station (GGS) for the period ending March 31, 2023, as required under Delta Diablo Industrial Wastewater Discharge Permit Number 0208841-C.

Included in the report are Certification Statement, Industrial User Compliance Report, Industrial Monitoring Report Summary, Discharge Flow Data, Monthly Flow, WSAC Operating Months Report, Cycles of Concentration, and Copy of Laboratory Results.

The quarterly self-monitoring of the combined flows in Q1 2023 indicated an exceedance in zinc parameter. The laboratory report was received on 3/29/2023. A notification of exceedance was submitted to the Delta Diablo on 3/30/2023. A corrective action plan to address the exceedance was discussed on the phone with the Delta Diablo and a summary of it was submitted on 4/4/2023. The result of the resampling of the discharge flow for zinc will be submitted to Delta Diablo on 4/30/2023.

If you have any questions about this report, please feel free to contact Angel Espiritu at 925-522-7838, 510-861-1597, or at abe4@pge.com. Thank you.

Sincerely,

Tim Wisdom

Tim Wisdom
Senior Plant Manager

Attachment: a/s

Public



**Pacific Gas and
Electric Company®**

Mailing Address:
Pacific Gas & Electric Company
Gateway Generating Station
3225 Wilbur Ave.
Antioch, CA 94509
(925) 522-7801

April 12, 2023

Mr. Jason Yun
Delta Diablo Sanitation District (DD)
2500 Pittsburg-Antioch Hwy.
Antioch, CA 94509-1373

Reference: Pacific Gas and Electric Company - Gateway Generating Station
DD Industrial Wastewater Discharge Permit
Permit Number: 0208841-C

Subject: Quarterly Self-Monitoring Report
Diablo Industrial Wastewater Discharge Permit Number 0208841-C
(For Period Ending March 31, 2023)

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Sincerely,

Tim Wisdom
Senior Plant Manager

Attachment: a/s

Public

Pacific Gas and Electric Company
Gateway Generating Station

Quarterly Self-Monitoring Report
For the reporting period ending in March 31, 2023

This report is to comply with the requirements of the Industrial Wastewater Discharge Permit issued by the Delta Diablo Sanitation District (Delta Diablo) to Gateway Generating Station (GGS) under Permit No. 02088441-C with expiration date of February 28, 2023. The permit renewal application was submitted to Delta Diablo on 11/22/2022.

The report includes the following attachments:

- Attachment 1: Certification Statement
- Attachment 2: Industrial User Compliance Report
- Attachment 3: Industrial Monitoring Report Summary
- Attachment 4: Discharge Flow Data
- Attachment 5: Monthly Flow Data
- Attachment 6: WSAC Operating Hours Report
- Attachment 7: Cycles of Concentration
- Attachment 8: Laboratory Results

Attachment 1
Certification Statement

Certification Statement

Name of Business: PG&E Gateway Generating Station
Address: 3225 Wilbur Avenue, Antioch, CA. 94509
Phone: 925-522-7805
Period Covered: Period ending: March 31, 2023

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____ **Date:** _____

Print Name: Tim Wisdom

Attachment 2
Industrial User Compliance Report

Industrial User Compliance Report Form

Attn: Jason Yun

Fax # (925)756-1961

From: Tim Wisdom

Company: Pacific Gas and Electric Company – Gateway Generating Station

Period Covered: Period ending March 31, 2023

Pretreatment

Phone: (925)756-1929

Industrial User Checklist for self –monitoring reports, as specified by the wastewater discharge permit issued by Delta Diablo:

Self-monitoring reports

- ☒ Flow discharge summary (Discharge Permit Section E.1.h.) (See Attachment 4)
- ☐ Calibration of flow meters, as required. (Section E.1.g.)
- ☒ Monitoring results- All required tests completed, results reviewed, results included, QA/QC, chain of custody (section F.7.) (See Attachment 8)
- ☒ Certification statement included (See Attachment 1)

Violations (if applicable)

- ☒ All wastewater discharge exceedance are reported during this reporting period
- ☒ Delta Diablo was contacted. (See Additional Notes below)
- ☐ A follow-up report on characterization re-sampling was submitted on
- ☒ Corrective actions to resolve violation: (See Additional Notes below)
- ☐ Other violations - i.e. Reporting, spills to sewer, or prohibited discharges

Additional Notes:

1. The result of Q1 2023 quarterly monitoring was received on 3/29/2023.
2. The notification of exceedance on zinc parameter was submitted to the Delta Diablo on 3/30/2023 (via email to -Jason Yun).
3. In an email dated 3/30/2023, the Delta Diablo indicated that the exceedance places PG&E Gateway into significant noncompliance (SNC) for the October 2022 through March 2023 monitoring period. A formal enforcement action will be issued.
4. A corrective action plan to address exceedance was discussed on the phone and a summary of it was submitted via email to Delta Diablo on 4/4/2023. A corrective action plan with implementation timeline will be submitted to Delta Diablo
5. The result of resampling of discharge flow for zinc will be submitted on 4/30/2023.

Significant changes

Anticipated changes that may alter the nature, quality, or volume of the wastewater discharged. Planned changes shall be submitted at least 90-days prior to implementation and shall include a detailed description of this change. (None)

Attachment 3
Industrial Monitoring Report Summary

INDUSTRIAL MONITORING REPORT SUMMARY (Combined Site Flow: FAC - Control Manhole Local Limits: E-001)

IU NAME : PG&E Gateway Generating Station
 ADDRESS: 3225 Wilbur Avenue
 CITY : Antioch

ID #: 0208841-C
 TYPE: Power Generation Plant

SIC: 4911

DATE	3/20/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023			
TYPE	G	G	C24	G	G			
STATION	E-001	E-001	E-001	E-001	E-001			
SMP.BY	Muskan	Muskan	Muskan	Muskan	Muskan			
PURPOSE	Compliance Quarterly (Q1)	Compliance Quarterly (Q1)	Compliance Quarterly (Q1)	Compliance Semi-annually (SA1)	Compliance Annually (A)			

Units: mg/L

PARAMETERS	LIMITS								
FLOW, DAILY (gal)	51,120								
FLOW, MONTH (gal)									
pH	6-10 s.u.	8.06							
BOD				6.3					
COD				40.0					
TDS				388.0					
TSS				8					
Arsenic	0.15			0.00066					
Cadmium	0.1			0.000089					
Chromium	0.5			0.0024					
Copper	0.5			0.0480					
Iron				1.2					
Lead	0.5			0.00065					
Mercury	0.003			ND(<0.00013)					
Molybdenum				0.021					
Nickel	0.5			0.0039					
Selenium	0.25			0.00026					
Silver	0.2			0.00010					
Zinc	1.00			2.800					
Cyanide	0.2		0.011						
Phenol	1.00		ND(<0.0014)						
Ammonia	200		28						
O&G Petro/Min (E1664A w/ Silica)	100	ND(<1.4)	ND(<1.4)						
O&G Animal/Vegetable Oil	300	ND(<0.89)	ND(<0.86)						
TTO EPA 608					ND(<0.00002)				
TTO EPA 624					0.0094				
TTO EPA 625					0.011				
TTO	2.00				0.0204				
Sulfide						ND (<0.044)			
Sulfate						100			

Comments: ND = Non-Detect, NSD = No Structures Detected, MFL = Millions of Fibers per Liter

In accordance with Footnote 2 of the table located in Section (D)(1) of the permit, PG&E is reporting the Oil & Grease (O&G) as follows: Petroleum/Mineral includes the silica gel (i.e. SGT-HEM) and Animal/Vegetable does not include silica gel

Attachment 4
Discharge Flow Data

PG&E Gateway Generating Station

Discharge Flow Data

January 2023-March 2023

Date	Industrial Flow				Sanitary Flow				Site Total (Gallons)
	Instantaneous Flow (GPM)	Time Over 35.5 GPM (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	Instantaneous Flow (GPM)	Time Meter went Bad Quality (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	
1/1/2023	34.7	0.0	NO	44,373	0.1	0	NO		44,373
1/2/2023	34.5	0.0	NO	48,661	0.0	0	NO		48,661
1/3/2023	34.3	0.0	NO	3,987	0.0	0	NO		3,987
1/4/2023	34.4	0.0	NO	32,813	25.4	0	NO	486	33,299
1/5/2023	34.5	0.0	NO	44,610	0.1	0	NO		44,610
1/6/2023	34.3	0.0	NO	11,601	27.5	0	NO	379	11,981
1/7/2023	34.5	0.0	NO	35,068	0.0	0	NO	2	35,070
1/8/2023	34.5	1.0	NO	36,030	0.0	2	NO		36,030
1/9/2023	34.7	0.0	NO	38,886	25.8	0	NO	363	39,249
1/10/2023	34.4	0.0	NO	22,268	0.1	0	NO	363	22,631
1/11/2023	36.0	0.0	NO	32,557	0.0	0	NO		32,557
1/12/2023	34.4	0.0	NO	22,825	25.8	0	NO	385	23,210
1/13/2023	34.5	0.0	NO	8,029	0.0	0	NO		8,029
1/14/2023	34.5	0.0	NO	29,836	0.0	0	NO		29,836
1/15/2023	34.4	0.0	NO	37,809	27.6	0	NO	390	38,199
1/16/2023	34.6	0.0	NO	38,864	0.1	0	NO	0	38,864
1/17/2023	34.3	0.0	NO	39,138	26.1	0	NO	361	39,499
1/18/2023	34.4	0.0	NO	21,148	0.0	0	NO		21,148
1/19/2023	36.5	0.0	NO	18,234	23.4	0	NO	376	18,610
1/20/2023	34.4	0.0	NO	20,387	0.1	0	NO		20,387
1/21/2023	34.3	0.0	NO	9,861	0.1	0	NO		9,861
1/22/2023	34.3	0.0	NO	18,753	0.0	0	NO		18,753
1/23/2023	34.4	0.0	NO	24,693	23.4	0	NO	352	25,044
1/24/2023	34.5	0.0	NO	35,707	0.0	0	NO		35,707
1/25/2023	34.5	0.0	NO	22,319	25.2	0	NO	372	22,691
1/26/2023	34.5	0.0	NO	19,307	0.1	0	NO		19,307
1/27/2023	34.7	0.0	NO	22,285	24.1	0	NO	368	22,652
1/28/2023	34.3	0.0	NO	11,575	0.0	0	NO		11,575
1/29/2023	34.7	0.0	NO	26,557	0.1	0	NO		26,557
1/30/2023	34.7	0.0	NO	36,512	0.0	0	NO		36,512
1/31/2023	34.6	0.0	NO	28,092	25.3	0	NO	378	28,470

Max Daily Flow (Limit: 51,120):

48,661

Monthly Total:

847,359

2/1/2023	34.9	0.0	NO	7,631	0.0	0	NO		7,631
2/2/2023	34.5	0.0	NO	7,153	25.7	0	NO	382	7,535
2/3/2023	34.9	0.0	NO	22,574	0.0	0	NO		22,574
2/4/2023	34.3	0.0	NO	20,869	27.3	0	NO	399	21,268
2/5/2023	34.3	0.0	NO	34,190	0.1	0	NO	3	34,193
2/6/2023	34.3	0.0	NO	12,616	0.0	0	NO		12,616
2/7/2023	34.4	0.0	NO	7,706	25.9	0	NO	363	8,069
2/8/2023	34.6	1.0	NO	33,513	0.1	2	NO		33,513
2/9/2023	34.6	0.0	NO	26,684	25.7	0	NO	382	27,066
2/10/2023	34.4	0.0	NO	15,926	0.0	0	NO	382	16,308
2/11/2023	34.6	0.0	NO	19,836	26.4	0	NO	373	20,209
2/12/2023	34.7	0.0	NO	29,914	0.1	0	NO	2	29,916
2/13/2023	34.7	0.0	NO	18,759	0.0	0	NO		18,759
2/14/2023	34.6	0.0	NO	34,737	25.3	0	NO	372	35,109
2/15/2023	34.6	0.0	NO	20,106	0.0	0	NO		20,106
2/16/2023	35.1	0.0	NO	7,858	25.1	0	NO	372	8,229
2/17/2023	34.8	0.0	NO	21,828	0.1	0	NO		21,828
2/18/2023	34.6	0.0	NO	21,173	0.0	0	NO		21,173
2/19/2023	34.5	0.0	NO	42,136	25.7	0	NO	368	42,504

Public

PG&E Gateway Generating Station

Discharge Flow Data

January 2023-March 2023

Date	Industrial Flow				Sanitary Flow				Site Total (Gallons)
	Instantaneous Flow (GPM)	Time Over 35.5 GPM (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	Instantaneous Flow (GPM)	Time Meter went Bad Quality (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	
2/20/2023	35.0	0.0	NO	16,604	0.0	0	NO		16,604
2/21/2023	35.0	0.0	NO	14,392	0.0	0	NO		14,392
2/22/2023	34.5	0.0	NO	27,353	25.5	0	NO	384	27,738
2/23/2023	34.8	0.0	NO	34,718	0.0	0	NO		34,718
2/24/2023	34.5	0.0	NO	34,651	25.2	0	NO	386	35,037
2/25/2023	34.3	0.0	NO	6,570	0.1	0	NO	4	6,574
2/26/2023	34.4	0.0	NO	22,328	0.0	0	NO		22,328
2/27/2023	34.5	0.0	NO	24,700	0.0	0	NO		24,700
2/28/2023	34.3	0.0	NO	17,427	25.5	0	NO	354	17,781

Max Daily Flow (Limit: 51,120): 42,504

Monthly Total: 608,479

3/1/2023	34.5	0.0	NO	33,013	25.3	0	NO	361	33,374
3/2/2023	34.5	0.0	NO	43,505	0.1	0	NO		33,374
3/3/2023	34.5	0.0	NO	39,260	25.0	0	NO	360	43,505
3/4/2023	34.3	0.0	NO	9,001	0.1	0	NO	-	39,620
3/5/2023	34.4	0.0	NO	29,883	0.0	0	NO		9,001
3/6/2023	34.3	0.0	NO	9,245	0.0	0	NO		29,883
3/7/2023	34.4	0.0	NO	14,152	23.9	0	NO	355	9,245
3/8/2023	34.4	1.0	NO	19,552	0.0	2	NO		14,507
3/9/2023	34.5	0.0	NO	35,770	24.8	0	NO	359	19,552
3/10/2023	34.5	0.0	NO	41,593	0.0	0	NO	359	36,129
3/11/2023	34.4	0.0	NO	15,263	0.0	0	NO		41,952
3/12/2023	34.3	60.0	NO	8,372	0.0	60	NO		15,263
3/13/2023	34.5	0.0	NO	12,845	24.8	0	NO	368	8,372
3/14/2023	34.2	0.0	NO	6,652	0.0	0	NO		13,213
3/15/2023	34.5	0.0	NO	10,393	24.8	0	NO	362	6,652
3/16/2023	34.5	0.0	NO	29,678	0.0	0	NO		10,755
3/17/2023	34.5	0.0	NO	13,779	0.1	0	NO		29,678
3/18/2023	34.5	0.0	NO	41,742	0.0	0	NO		13,779
3/19/2023	34.4	0.0	NO	30,480	0.0	0	NO		41,742
3/20/2023	34.6	0.0	NO	40,844	26.1	0	NO	519	30,480
3/21/2023	34.6	0.0	NO	45,651	0.0	0	NO		41,363
3/22/2023	34.5	0.0	NO	34,139	24.4	0	NO	343	45,651
3/23/2023	34.4	0.0	NO	24,711	0.0	0	NO		34,482
3/24/2023	34.5	0.0	NO	34,230	25.5	0	NO	369	24,711
3/25/2023	34.4	0.0	NO	27,978	0.0	0	NO		34,599
3/26/2023	34.8	0.0	NO	24,518	0.0	0	NO		27,978
3/27/2023	35.0	0.0	NO	19,792	24.2	0	NO	351	24,518
3/28/2023	34.6	0.0	NO	9,103	0.0	0	NO		20,143
3/29/2023	35.1	0.0	NO	27,282	23.1	0	NO	354	9,103
3/30/2023	34.5	0.0	NO	38,324	0.0	0	NO		27,636
3/31/2023	34.3	0.0	NO	6,548	0.0	0	NO		38,324

Max Daily Flow (Limit: 51,120): 45,651

Monthly Total: 808,584

Note: On 03/12/2023, there were no missing data. The 60 minute entry was a result of Daylight Savings Time clock adjustment.

Attachment 5
Monthly Flow Data

Industrial Flow Reporting Form for Delta Diablo

SIU Name: **PG&E Gateway Generating Station**

Address: 3225 Wilbur Avenue, Antioch, CA 94509

City: Antioch

Contact Name: Tim Wisdom

Flow Meter: Sewer Final Effluent _____ City Water Meter _____

(The data are based on flowmeter readings as recorded by the plant's "Pi Historian" data acquisition/handling system)

Year: **2023**

Month	Flow (gallons)	Due Date
January	847,359	4/15/2023
February	608,479	4/15/2023
March	808,584	4/15/2023
April		
May		
June		
July		
August		
September		
October		
November		
December		

Note:

1) Flow data is based on the sewer final effluent flow meter or the City water meter if no effluent flow meter is at the industrial facility.

2) The flow data documentation shall continue to be submitted in the regularly scheduled self-monitoring reports.

Attachment 6
WSAC Operating Hours Report

PG&E Gateway Generating Station

WSAC Operating Hours Report
January 2023 - March 2023

WSAC Operation	
Month	Hours of Operation
January-23	0.00
February-23	0.00
March-23	2.00
April-23	
May-23	
June-23	
July-23	
August-23	
September-23	
October-23	
November-23	
December-23	

Attachment 7
Cycles of Concentration

PG&E Gateway Generating Station

WSAC Average Daily Blowdown Cycles Report
January 2023 - March 2023

WSAC Operation	
Month	Average Daily Blowdown Cycles
January-23	WSAC not in operation
February-23	WSAC not in operation
March-23	3.61
April-23	
May-23	
June-23	
July-23	
August-23	
September-23	
October-23	
November-23	
December-23	

Average Daily Blowdown Cycles calculated using the ratio of specific conductivities between the three WSAC basins (average) relative to the makeup water.

Attachment 8
Laboratory Results
Monitoring of Combined Site Stream
(E-001)

Attachment 8a
Laboratory Results
Quarterly Monitoring of Combined Site Stream
(E-001)



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2303E50

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Angel Espiritu

Project P.O.:

Project: Quarterly Sampling (March 2023)

Project Received: 03/21/2023

Analytical Report reviewed & approved for release on 03/29/2023 by:

Jena Alfaro

Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.





Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2303E50

Project: Quarterly Sampling (March 2023)

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit ¹
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting limit ²
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure

¹ MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016.

² RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.)



Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2303E50

Project: Quarterly Sampling (March 2023)

TEQ Toxicity Equivalents

TZA TimeZone Net Adjustment for sample collected outside of MAI's UTC.

WET (STLC) Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

J Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/21/2023 14:00
Date Prepared: 03/27/2023
Project: Quarterly Sampling (March 2023)

WorkOrder: 2303E50
Extraction Method: E1664A_SG
Analytical Method: E1664A
Unit: mg/L

Hexane Extractable Material (HEM; Oil & Grease) with Silica Gel Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2303E50-001B	Water	03/20/2023 10:20	O&G	266345

Analytes	Result	MDL	RL	DF	Date Analyzed
SGT-HEM	ND	1.4	4.8	1	03/28/2023 14:35

Analyst(s): HN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2303E50-002B	Water	03/21/2023 12:15	O&G	266345

Analytes	Result	MDL	RL	DF	Date Analyzed
SGT-HEM	ND	1.4	4.7	1	03/28/2023 14:40

Analyst(s): HN



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/21/2023 14:00
Date Prepared: 03/27/2023
Project: Quarterly Sampling (March 2023)

WorkOrder: 2303E50
Extraction Method: E1664A
Analytical Method: E1664A
Unit: mg/L

Hexane Extractable Material (HEM; Oil & Grease) without Silica Gel Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2303E50-001A	Water	03/20/2023 10:20	O&G	266444

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
HEM	ND	0.89	4.9	1	03/28/2023 18:00

Analyst(s): HN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2303E50-002A	Water	03/21/2023 12:15	O&G	266444

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
HEM	ND	0.86	4.7	1	03/28/2023 18:05

Analyst(s): HN



Analytical Report

Client: PG&E Gateway Generating Station

WorkOrder: 2303E50

Date Received: 03/21/2023 14:00

Extraction Method: SM4500-NH3 BG

Date Prepared: 03/27/2023

Analytical Method: SM4500-NH3 BG

Project: Quarterly Sampling (March 2023)

Unit: mg/L

Ammonia as N

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2303E50-002D	Water	03/21/2023 12:15	WC_SKALAR 230327A1_101	266348

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Ammonia, total as N	28	0.95	1.0	10	03/27/2023 15:28

Analyst(s): CC



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
<http://www.mccampbell.com> / E-mail: main@mccampbell.com

Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/21/2023 14:00
Date Prepared: 03/22/2023
Project: Quarterly Sampling (March 2023)

WorkOrder: 2303E50
Extraction Method: SM5210B
Analytical Method: SM5210 B
Unit: mg/L

Biochemical Oxygen Demand (BOD)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2303E50-003A	Water	03/21/2023 12:02	WetChem	266056
<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
BOD	6.3	4.1	4.1	1.02	03/27/2023 12:12

Analyst(s): JRA



Analytical Report

Client: PG&E Gateway Generating Station

WorkOrder: 2303E50

Date Received: 03/21/2023 14:00

Extraction Method: SM4500-CN⁻ E

Date Prepared: 03/24/2023

Analytical Method: SM4500-CN⁻ CE

Project: Quarterly Sampling (March 2023)

Unit: µg/L

Cyanide, Total

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2303E50-002C	Water	03/21/2023 12:15	WC_Skalar3 230324A1_24	266243
<u>Analytes</u>		<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>
Total Cyanide		11	0.59	1.0	1
					<u>Date Analyzed</u>
					03/24/2023 11:29

Analyst(s): CC



Analytical Report

Client: PG&E Gateway Generating Station

WorkOrder: 2303E50

Date Received: 03/21/2023 14:00

Extraction Method: SM5220 D

Date Prepared: 03/23/2023

Analytical Method: SM5220 D-1997

Project: Quarterly Sampling (March 2023)

Unit: mg/L

Chemical Oxygen Demand (COD) as mg O₂/L

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2303E50-003B	Water	03/21/2023 12:02	SPECTROPHOTOMETER2	266176
<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
COD	40	8.2	10	1	03/23/2023 16:56

Analyst(s): IGC



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/21/2023 14:00
Date Prepared: 03/22/2023
Project: Quarterly Sampling (March 2023)

WorkOrder: 2303E50
Extraction Method: E245.2
Analytical Method: E245.2
Unit: µg/L

Mercury by Cold Vapor Atomic Absorption

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2303E50-003E	Water	03/21/2023 12:02	AA1_23	265993
<u>Analytes</u>					
Mercury	<u>Result</u> ND	<u>MDL</u> 0.13	<u>RL</u> 0.20	<u>DF</u> 1	<u>Date Analyzed</u> 03/22/2023 16:02

Analyst(s): DMA



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/21/2023 14:00
Date Prepared: 03/21/2023
Project: Quarterly Sampling (March 2023)

WorkOrder: 2303E50
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Metals

Client ID	Lab ID	Matrix	Date Collected			Instrument	Batch ID
E-001 Comp	2303E50-003F	Water	03/21/2023 12:02			ICP-MS6 164SMPL.d	265989
Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed	
Arsenic	0.66	J	0.074	0.50	1	03/22/2023 14:23	
Cadmium	0.089		0.043	0.50	1	03/22/2023 14:23	
Chromium	2.4		0.28	0.50	1	03/22/2023 14:23	
Copper	48		0.75	1.5	1	03/22/2023 14:23	
Iron	1200		26	50	1	03/22/2023 14:23	
Lead	0.65		0.19	0.50	1	03/22/2023 14:23	
Molybdenum	21		0.13	0.50	1	03/22/2023 14:23	
Nickel	3.9		0.33	0.50	1	03/22/2023 14:23	
Selenium	0.26	J	0.16	0.50	1	03/22/2023 14:23	
Silver	0.10	J	0.092	0.50	1	03/22/2023 14:23	
Zinc	2800		14	20	1	03/22/2023 14:23	
Surrogates	REC (%)				Limits		
Terbium	108				70-130	03/22/2023 14:23	
Analyst(s):	WV						



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/21/2023 14:00
Date Prepared: 03/23/2023
Project: Quarterly Sampling (March 2023)

WorkOrder: 2303E50
Extraction Method: E420.4
Analytical Method: E420.4
Unit: µg/L

Phenolics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2303E50-002D	Water	03/21/2023 12:15	WC_SKALAR 230323B1_34	266158

Analytes	Result	MDL	RL	DF	Date Analyzed
Phenolics	ND	1.4	2.0	1	03/23/2023 11:23

Analyst(s): CC



Analytical Report

Client: PG&E Gateway Generating Station

WorkOrder: 2303E50

Date Received: 03/21/2023 14:00

Extraction Method: SM2540 C-1997

Date Prepared: 03/23/2023

Analytical Method: SM2540 C-1997

Project: Quarterly Sampling (March 2023)

Unit: mg/L

Total Dissolved Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2303E50-003C	Water	03/21/2023 12:02	WetChem	266186

Analytes	Result	MDL	RL	DF	Date Analyzed
Total Dissolved Solids	388	10.0	10.0	1	03/24/2023 13:35

Analyst(s): JME



Analytical Report

Client: PG&E Gateway Generating Station

WorkOrder: 2303E50

Date Received: 03/21/2023 14:00

Extraction Method: SM2540 D-1997

Date Prepared: 03/28/2023

Analytical Method: SM2540 D-1997

Project: Quarterly Sampling (March 2023)

Unit: mg/L

Total Suspended Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2303E50-003D	Water	03/21/2023 12:02	WetChem	266489
<u>Analytes</u>		<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>
Total Suspended Solids		8.00	1.67	1.67	1.667
					Date Analyzed
					03/28/2023 16:30

Analyst(s): JRA

Quality Control Report

Client:
Date Prepared:
Date Analyzed:
Instrument:
Matrix:
Project:

PG&E Gateway Generating Station

03/27/2023

03/28/2023

O&G

Water

Quarterly Sampling (March 2023)

WorkOrder:
BatchID:
Extraction Method:
Analytical Method:
Unit:
Sample ID:

2303E50

266345

E1664A_SG

E1664A

mg/L

MB/LCS/LCSD-266345

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL
SGT-HEM	ND	1.5	5.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
SGT-HEM	8.3	8.6	10.42	80	83	64-132	3.94	30

CA ELAP 1644 • NELAP 4033ORELAP

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Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

03/28/2023

Date Analyzed:

03/28/2023

Instrument:

O&G

Matrix:

Water

Project:

Quarterly Sampling (March 2023)

WorkOrder:

2303E50

BatchID:

266444

Extraction Method:

E1664A

Analytical Method:

E1664A

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-266444

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL
HEM	ND	0.91	5.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
HEM	18	17	20.83	85	83	78-114	0	30

Quality Control Report

Client: PG&E Gateway Generating Station

Date Prepared: 03/27/2023

Date Analyzed: 03/27/2023

Instrument: WC_SKALAR

Matrix: Water

Project: Quarterly Sampling (March 2023)

WorkOrder: 2303E50

BatchID: 266348

Extraction Method: SM4500-NH3 BG

Analytical Method: SM4500-NH3 BG

Unit: mg/L

Sample ID: MB/LCS/LCSD-266348

QC Summary Report for SM4500-NH3

Analyte	MB Result	MDL	RL
Ammonia, total as N	ND	0.095	0.10

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Ammonia, total as N	4.0	4.0	4	100	101	88-113	20

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

03/22/2023

Date Analyzed:

03/27/2023

Instrument:

WetChem

Matrix:

Water

Project:

Quarterly Sampling (March 2023)

WorkOrder:

2303E50

BatchID:

266056

Extraction Method:

SM5210B

Analytical Method:

SM5210 B

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-266056

QC Summary Report for BOD

Analyte	MB Result	MDL	RL
BOD	ND	4.0	4.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
BOD	220	200	198	110	103	80-120	16

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

03/24/2023

Date Analyzed:

03/24/2023

Instrument:

WC_Skalar3

Matrix:

Water

Project:

Quarterly Sampling (March 2023)

WorkOrder:

2303E50

BatchID:

266243

Extraction Method:

SM4500-CN⁻ E

Analytical Method:

SM4500-CN⁻ CE

Unit:

µg/L

Sample ID:

MB/LCS/LCSD-266243

QC Summary Report for SM4500-CN⁻ CE

Analyte	MB Result	MDL	RL
Total Cyanide	ND	0.59	1.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Total Cyanide	49	47	50	98	95	90-110	3.08
							20

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2303E50
Date Prepared:	03/23/2023	BatchID:	266176
Date Analyzed:	03/23/2023	Extraction Method:	SM5220 D
Instrument:	SPECTROPHOTOMETER2	Analytical Method:	SM5220 D-1997
Matrix:	Water	Unit:	mg/L
Project:	Quarterly Sampling (March 2023)	Sample ID:	MB/LCS/LCSD-266176

QC Summary Report for COD

Analyte	MB Result	MDL	RL
COD	ND	8.2	10

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
COD	98	100	100	98	100	90-110	2.02
							20

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2303E50
Date Prepared:	03/22/2023	BatchID:	265993
Date Analyzed:	03/22/2023	Extraction Method:	E245.2
Instrument:	AA1	Analytical Method:	E245.2
Matrix:	Water	Unit:	µg/L
Project:	Quarterly Sampling (March 2023)	Sample ID:	MB/LCS/LCSD-265993

QC Summary Report for Mercury

Analyte	MB Result	MDL	RL
Mercury	ND	0.13	0.20

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Mercury	2.0	2.0	2	100	100	85-115	0.493
							20



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2303E50
Date Prepared:	03/21/2023	BatchID:	265989
Date Analyzed:	03/21/2023	Extraction Method:	E200.8
Instrument:	ICP-MS6	Analytical Method:	E200.8
Matrix:	Water	Unit:	µg/L
Project:	Quarterly Sampling (March 2023)	Sample ID:	MB/LCS/LCSD-265989

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.074	0.50	-	-	-
Cadmium	ND	0.043	0.50	-	-	-
Chromium	ND	0.28	0.50	-	-	-
Copper	ND	0.75	1.5	-	-	-
Iron	ND	26	50	-	-	-
Lead	ND	0.19	0.50	-	-	-
Molybdenum	ND	0.13	0.50	-	-	-
Nickel	ND	0.33	0.50	-	-	-
Selenium	ND	0.16	0.50	-	-	-
Silver	ND	0.092	0.50	-	-	-
Zinc	ND	14	20	-	-	-

Surrogate Recovery

Terbium	520	500	104	70-130
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Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Arsenic	50	50	50	100	100	85-115	0.299 20
Cadmium	52	53	50	105	106	85-115	0.887 20
Chromium	53	52	50	105	104	85-115	0.772 20
Copper	52	52	50	104	104	85-115	0.224 20
Iron	5000	4800	5000	100	97	85-115	3.11 20
Lead	51	51	50	102	103	85-115	1.15 20
Molybdenum	49	47	50	98	95	85-115	3.68 20
Nickel	52	52	50	103	104	85-115	0.0773 20
Selenium	53	53	50	106	106	85-115	0.561 20
Silver	51	51	50	102	102	85-115	0.151 20
Zinc	530	520	500	105	105	85-115	0.491 20

Surrogate Recovery

Terbium	520	530	500	104	105	70-130	1.04 20
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Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

03/23/2023

Date Analyzed:

03/23/2023

Instrument:

WC_SKALAR

Matrix:

Water

Project:

Quarterly Sampling (March 2023)

WorkOrder:

2303E50

BatchID:

266158

Extraction Method:

E420.4

Analytical Method:

E420.4

Unit:

µg/L

Sample ID:

MB/LCS/LCSD-266158

QC Summary Report for E420.4

Analyte	MB Result	MDL	RL
Phenolics	ND	1.4	2.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Phenolics	39	39	40	97	98	80-120	0.345	20

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2303E50
Date Prepared:	03/23/2023	BatchID:	266186
Date Analyzed:	03/24/2023	Extraction Method:	SM2540 C-1997
Instrument:	WetChem	Analytical Method:	SM2540 C-1997
Matrix:	Water	Unit:	mg/L
Project:	Quarterly Sampling (March 2023)	Sample ID:	MB/LCS/LCSD-266186 2303E50-003C

QC Summary Report for Total Dissolved Solids

Analyte	MB Result	MDL	RL
Total Dissolved Solids	ND	10.0	10.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Total Dissolved Solids	972	1000	1000	97	100	80-120	10

Analyte	SAMP Result	DUP Result	RPD Limit
Total Dissolved Solids	388	400	10

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2303E50
Date Prepared:	03/28/2023	BatchID:	266489
Date Analyzed:	03/28/2023	Extraction Method:	SM2540 D-1997
Instrument:	WetChem	Analytical Method:	SM2540 D-1997
Matrix:	Water	Unit:	mg/L
Project:	Quarterly Sampling (March 2023)	Sample ID:	MB/LCS/LCSD-266489

QC Summary Report for Total Suspended Solids

Analyte	MB Result	MDL	RL
Total Suspended Solids	ND	1.00	1.00

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Total Suspended Solids	100	95.0	100	100	95	80-120	5.13

McCampbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2303E50

ClientCode: PGEA

☐ WaterTrax

☐ CLIP

☐ EDF

☐ EQuIS

☐ Dry-Weight

☒ Email

☐ HardCopy

☐ ThirdParty

☒ J-flag

☒ Detection Summary

☐ Excel

Report to:

Angel Espiritu
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509
(925) 459-7212 FAX:

Email: abe4@pge.com
cc/3rd Party: a1he@pge.com; j5ld@pge.com; dwy@pge.
PO:
Project: Quarterly Sampling (March 2023)

Bill to:

Angel Espiritu
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509

Requested TATs: 5 days;

7 days;

Date Received: 03/21/2023

Date Logged: 03/21/2023

Lab ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2303E50-001	E-001 Grab	Water	3/20/2023 10:20	<input type="checkbox"/>	B	A								A		
2303E50-002	E-001 Grab	Water	3/21/2023 12:15	<input type="checkbox"/>	B	A	D		C				D	A		
2303E50-003	E-001 Comp	Water	3/21/2023 12:02	<input type="checkbox"/>				A		B	E	F		A	C	D

Test Legend:

1	1664A_SG_W
5	CN_SM4500CE_W
9	PHENOLICS_W

2	1664A_W
6	COD_W
10	PRDisposal Fee

3	AMMONIA-SM4500BG_W
7	HG_W
11	TDS_W

4	BOD_W
8	METALSMS_TTLC_W
12	TSS_W

Prepared by: Adrianna Cardoza

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mcccampbell.com / E-mail: main@mcccampbell.com

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Quarterly Sampling (March 2023)

Work Order: 2303E50

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 3/21/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQUIS ☒ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001 Grab	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/20/2023 10:20	5 days	3/28/2023		<input type="checkbox"/>	<input type="checkbox"/>
001B	E-001 Grab	Water	E1664A (SGT- HEM; Non-polar Material)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/20/2023 10:20	5 days	3/28/2023		<input type="checkbox"/>	<input type="checkbox"/>
002A	E-001 Grab	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/21/2023 12:15	5 days	3/28/2023		<input type="checkbox"/>	<input type="checkbox"/>
002B	E-001 Grab	Water	E1664A (SGT- HEM; Non-polar Material)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/21/2023 12:15	5 days	3/28/2023		<input type="checkbox"/>	<input type="checkbox"/>
002C	E-001 Grab	Water	SM4500-CN ⁻ CE (Cyanide, Total)	1	250mL aHDPE w/ NaOH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/21/2023 12:15	5 days	3/28/2023		<input type="checkbox"/>	<input type="checkbox"/>
002D	E-001 Grab	Water	E420.4 (Phenolics)	1	500mL aG w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/21/2023 12:15	5 days	3/28/2023		<input type="checkbox"/>	<input type="checkbox"/>
			SM4500-NH3 BG (Ammonia Nitrogen)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		5 days	3/28/2023		<input type="checkbox"/>	<input type="checkbox"/>
003A	E-001 Comp	Water	SM5210B (BOD)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/21/2023 12:02	7 days	3/30/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
003B	E-001 Comp	Water	SM5220D (COD)	2	aVOA w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/21/2023 12:02	5 days	3/28/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
003C	E-001 Comp	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/21/2023 12:02	5 days	3/28/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
003D	E-001 Comp	Water	SM2540D (TSS)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/21/2023 12:02	5 days	3/28/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Quarterly Sampling (March 2023)

Work Order: 2303E50

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 3/21/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQUIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
003E	E-001 Comp	Water	E245.2 (Mercury)	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/21/2023 12:02	5 days	3/28/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
003F	E-001 Comp	Water	E200.8 (Metals) <Arsenic, Cadmium, Chromium, Copper, Iron, Lead, Molybdenum, Nickel, Selenium, Silver, Zinc>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/21/2023 12:02	5 days	3/28/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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**1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701**

Website: www.mccampbell.com **Email:** main@mccampbell.com
Telephone: (877) 252-9262 **Fax:** (925) 252-9269

TURN AROUND TIME

☐ ☐ ☐ ☐ ☒
RUSH 24 HR 48 HR 72 HR 5 DAY

GeoTracker EDF ☐ **PDF** ☐ **Excel** ☐ **Write On (DW)** ☐
☐ **Check if sample is effluent and "J" flag is required**

Report To: Angel Espiritu

Bill To: PG&E Gateway

Analysis Request

Remarks

Company: PG&E Gateway Generating Station

E-Mail: shel@pge.com, ATHEG@pge.com, JEd@pge.com, tlWY@pge.com

Tel: (925) 522-7838, (510) 861-1597 (Cell) Fax: ()

Project Name: Quarterly Sampling (March 2023)

Project Location: Combined Site Flow

Sampler Signature: Muskan Environmental Sampling

SAMPLE ID	LOCATION / Field Point Name	Sample Type Composite / Grab	SAMPLING		# Containers	Type Containers	Matrix		METHOD PRESERVED							Cyanide sodium preservative ABCE	Manganese by ZrO ₂ .S.S.	Selenium	Oil/Grease and with	Total Pts	Ammonia	Mercury	Nickel Copper, N Nitrobenz	ROD (SI)	COD (SI)	TDS (SM)	TSS (SM)
			Date	Time			Waste Water	Sewer Water	None	ICE	H ₂ SO ₄	NaOH	HCL	HNO ₃	Other												
E-001		G	3/20/23	10:20	2	1L Amb	X			X			X					X									
E-001		G	3/21/23	12:15	2	1L Amb	X			X			X					X									
E-001		G	3/21/23	12:15	1	500ml Amb	X			X	X								X	X							
E-001		G	3/21/23	12:15	1	250-ml Poly	X			X		X				X											
E-001		C	3/21/23	12:02	1	1L Poly	X		X	X														X			
E-001		C	3/21/23	12:02	2	43-ml VOA	X			X	X													X			
E-001		C	3/21/23	12:02	1	500-ml poly	X		X	X															X		
E-001		C	3/21/23	12:02	1	1L poly	X		X	X																X	
E-001		C	3/21/23	12:02	1	250-ml Poly	X			X					X					X							
E-001		C	3/21/23	12:02	1	250-ml poly	X			X					X			X					X				

Relinquished By:

Date: _____

Time:

Received By:

Relinquished By:

Date:

Time:

Received By:

Relinquished By:

Date: _____

Time:

Received By:

ICE/ 4.00 WET
GOOD CONDITION _____
HEAD SPACE ABSENT _____
DECHLORINATED IN LAB _____
APPROPRIATE CONTAINERS _____
PRESERVED IN LAB _____

COMMENTS:

VOAS	O&G	METALS	OTHER
-------------	----------------	---------------	--------------



Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station
Project: Quarterly Sampling (March 2023)

Date and Time Received: 3/21/2023 14:00
Date Logged: 3/21/2023
Received by: Agustina Venegas
Logged by: Adrianna Cardoza

WorkOrder №: 2303E50 Matrix: Water
Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

NA ☒

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

NA ☒

NA ☐

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

NA ☐

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 4°C	NA <input type="checkbox"/>
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

NA ☐

NA ☒

NA ☒

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

NA ☒

NA ☒

Comments:

Attachment 8b
Laboratory Results
Quarterly Monitoring of Combined Site Stream (E-001)
pH Report



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2303F26

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Sanjiv Gill

Project P.O.:

Project: pH Sampling (March 2023)

Project Received: 03/21/2023

Analytical Report reviewed & approved for release on 03/28/2023 by:

Jena Alfaro

Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.





Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2303F26

Project: pH Sampling (March 2023)

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit ¹
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting limit ²
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure

¹ MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 82.1-R-16-006, December 2016.

² RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.)



McC Campbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
<http://www.mccampbell.com> / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2303F26

Project: pH Sampling (March 2023)

TEQ Toxicity Equivalents

TZA TimeZone Net Adjustment for sample collected outside of MAI's UTC.

WET (STLC) Waste Extraction Test (Soluble Threshold Limit Concentration)



Analytical Report

Client: PG&E Gateway Generating Station

WorkOrder: 2303F26

Date Received: 03/21/2023 14:00

Extraction Method: SM4500H+B-2000

Date Prepared: 03/20/2023

Analytical Method: SM4500H+B

Project: pH Sampling (March 2023)

Unit: pH units

pH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2303F26-001A	Water	03/20/2023 10:15	WetChem	266497

Analytes	Result	Accuracy	DF	Date Analyzed
pH	8.06	±0.05	1	03/20/2023 10:16

Analyst(s): JRA

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2303F26
Date Prepared:	03/20/2023	BatchID:	266497
Date Analyzed:	03/20/2023	Extraction Method:	SM4500H+B-2000
Instrument:	WetChem	Analytical Method:	SM4500H+B
Matrix:	Water	Unit:	pH units
Project:	pH Sampling (March 2023)	Sample ID:	CCV-266497

QC Summary Report for pH

Analyte	CCV Result	CCV Limits
pH	7.08	6.9-7.1

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

☐ WaterTrax

☐ CLIP

☐ EDF

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2303F26

ClientCode: PGEA

☐ EQuIS

☐ Dry-Weight

☒ Email

☐ HardCopy

☐ ThirdParty

☐ J-flag

☐ Detection Summary

☐ Excel

Report to:

Sanjiv Gill
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509
(925) 459-7212 FAX:

Email: sanjivgill@comcast.net
cc/3rd Party:
PO:
Project: pH Sampling (March 2023)

Bill to:

Sanjiv Gil
Muskan Environmental Services
1828 Nelda Ct.
Yuba City, CA 95993

Requested TAT: 5 days;

Date Received: 03/21/2023

Date Logged: 03/22/2023

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2303F26-001	E-001	Water	3/20/2023 10:15	<input type="checkbox"/>	A	A										

Test Legend:

1	PH_W_SANJIV
5	
9	

2	PRDisposal Fee
6	
10	

3	
7	
11	

4	
8	
12	

Prepared by: Agustina Venegas

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: pH Sampling (March 2023)

Work Order: 2303F26

Client Contact: Sanjiv Gill

QC Level: LEVEL 2

Contact's Email: sanjivgill@comcast.net

Comments:
Date Logged: 3/22/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQUIS ☒ Email ☐ HardCopy ☐ ThirdParty ☐ U-flag

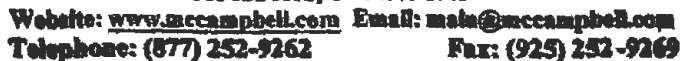
LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001	Water	SM4500H+B (Field pH)	0	<NOT RECEIVED>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/20/2023 10:15	5 days	3/28/2023		<input type="checkbox"/>	<input type="checkbox"/>

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.





Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station
Project: pH Sampling (March 2023)

Date and Time Received: 3/21/2023 14:00

Date Logged: 3/22/2023

Received by: Agustina Venegas

Logged by: Agustina Venegas

WorkOrder No: 2303F26 Matrix: Water
Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Sample/Temp Blank temperature	Temp:		NA <input checked="" type="checkbox"/>
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
UCMR Samples:			
pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments:

Attachment 8c
Laboratory Results
Semi-annual Monitoring of Combined Site Stream
(E-001)



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2303E79 **Amended:** 03/29/2023

Revision: 1

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Angel Espiritu

Project P.O.:

Project: Semi-Annual Sampling (March 2023)

Project Received: 03/21/2023

Analytical Report reviewed & approved for release on 03/28/2023 by:

Jena Alfaro

Project Manager

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Revision History

Client: PG&E Gateway Generating Station
Project: Semi-Annual Sampling (March 2023)

WorkOrder: 2303E79

<u>Date</u>	<u>Revision</u>	<u>Reason</u>
03/29/2023	1	Revised to include MDLs/J-Flags



Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2303E79

Project: Semi-Annual Sampling (March 2023)

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit ¹
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting limit ²
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure

¹ MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 82.1-R-16-006, December 2016.

² RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.)



Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2303E79

Project: Semi-Annual Sampling (March 2023)

TEQ Toxicity Equivalents

TZA TimeZone Net Adjustment for sample collected outside of MAI's UTC.

WET (STLC) Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

J Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.

S Surrogate recovery outside accepted recovery limits.

c1 Surrogate recovery outside of the control limits due to the dilution of the sample.

Quality Control Qualifiers

F2 LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.

F5 LCS/LCSD recovery is outside of acceptance limits; however, the data is acceptable based upon the TNI allowable marginal exceedances.



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/21/2023 14:00
Date Prepared: 03/22/2023
Project: Semi-Annual Sampling (March 2023)

WorkOrder: 2303E79
Extraction Method: E608.3/SW3620B
Analytical Method: E608.3
Unit: µg/L

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected			Instrument	Batch ID
E-001	2303E79-001D	Water	03/21/2023 12:15			GC40 03232317.d	266079
Analytes	Result	MDL	RL	DF	Date Analyzed		
Aldrin	ND	0.00028	0.0010	1	03/23/2023 16:47		
a-BHC	ND	0.00031	0.0010	1	03/23/2023 16:47		
b-BHC	ND	0.00069	0.0010	1	03/23/2023 16:47		
d-BHC	ND	0.00014	0.0010	1	03/23/2023 16:47		
g-BHC	ND	0.00045	0.0010	1	03/23/2023 16:47		
Chlordane (Technical)	ND	0.0023	0.020	1	03/23/2023 16:47		
a-Chlordane	ND	0.00085	0.0010	1	03/23/2023 16:47		
g-Chlordane	ND	0.00015	0.0010	1	03/23/2023 16:47		
p,p-DDD	ND	0.00011	0.0010	1	03/23/2023 16:47		
p,p-DDE	ND	0.00018	0.0010	1	03/23/2023 16:47		
p,p-DDT	ND	0.00017	0.0010	1	03/23/2023 16:47		
Dieldrin	ND	0.00014	0.0010	1	03/23/2023 16:47		
Endosulfan I	ND	0.00011	0.0010	1	03/23/2023 16:47		
Endosulfan II	ND	0.00046	0.0010	1	03/23/2023 16:47		
Endosulfan sulfate	ND	0.00033	0.0020	1	03/23/2023 16:47		
Endrin	ND	0.00018	0.0010	1	03/23/2023 16:47		
Endrin aldehyde	ND	0.00053	0.0010	1	03/23/2023 16:47		
Endrin ketone	ND	0.00026	0.0010	1	03/23/2023 16:47		
Heptachlor	ND	0.00041	0.0010	1	03/23/2023 16:47		
Heptachlor epoxide	ND	0.00025	0.0010	1	03/23/2023 16:47		
Methoxychlor	ND	0.00012	0.0010	1	03/23/2023 16:47		
Toxaphene	ND	0.0020	0.020	1	03/23/2023 16:47		
Aroclor1016	ND	0.0019	0.020	1	03/23/2023 16:47		
Aroclor1221	ND	0.0024	0.020	1	03/23/2023 16:47		
Aroclor1232	ND	0.0038	0.020	1	03/23/2023 16:47		
Aroclor1242	ND	0.0028	0.020	1	03/23/2023 16:47		
Aroclor1248	ND	0.0018	0.020	1	03/23/2023 16:47		
Aroclor1254	ND	0.0015	0.020	1	03/23/2023 16:47		
Aroclor1260	ND	0.0028	0.020	1	03/23/2023 16:47		
PCBs, total	ND	NA	0.020	1	03/23/2023 16:47		
Surrogates	REC (%)	Limits					
Decachlorobiphenyl	72	60-130			03/23/2023 16:47		
Analyst(s): CN							



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/21/2023 14:00
Date Prepared: 03/21/2023
Project: Semi-Annual Sampling (March 2023)

WorkOrder: 2303E79
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L

Acrolein, Acrylonitrile, & 2-Chloroethyl Vinyl Ether

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
E-001	2303E79-001B	Water	03/21/2023 12:15		GC10 03202332.D	266077
<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>	
Acrolein (Propenal)	ND	3.9	5.0	1	03/21/2023 20:31	
Acrylonitrile	ND	0.23	2.0	1	03/21/2023 20:31	
2-Chloroethyl Vinyl Ether	ND	0.44	1.0	1	03/21/2023 20:31	
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>				
Dibromofluoromethane	108	70-130		03/21/2023 20:31		
Analyst(s): LT						



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/21/2023 14:00
Date Prepared: 03/22/2023
Project: Semi-Annual Sampling (March 2023)

WorkOrder: 2303E79
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected			Instrument	Batch ID
E-001	2303E79-001A	Water	03/21/2023 12:15			GC49 03212331.D	265971
Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed	
Benzene	ND		0.034	0.20	1	03/22/2023 03:34	
Bromodichloromethane	3.1		0.022	0.050	1	03/22/2023 03:34	
Bromoform	0.47	J	0.10	0.50	1	03/22/2023 03:34	
Bromomethane	ND		0.26	0.50	1	03/22/2023 03:34	
Carbon tetrachloride	0.044	J	0.033	0.050	1	03/22/2023 03:34	
Chlorobenzene	ND		0.092	0.50	1	03/22/2023 03:34	
Chloroethane	ND		0.23	0.50	1	03/22/2023 03:34	
Chloroform	5.1		0.015	0.10	1	03/22/2023 03:34	
Chloromethane	ND		0.18	0.50	1	03/22/2023 03:34	
Dibromochloromethane	1.2		0.069	0.15	1	03/22/2023 03:34	
1,2-Dichlorobenzene	ND		0.11	0.50	1	03/22/2023 03:34	
1,3-Dichlorobenzene	ND		0.12	0.50	1	03/22/2023 03:34	
1,4-Dichlorobenzene	ND		0.11	0.50	1	03/22/2023 03:34	
1,1-Dichloroethane	ND		0.14	0.50	1	03/22/2023 03:34	
1,2-Dichloroethane (1,2-DCA)	ND		0.011	0.020	1	03/22/2023 03:34	
1,1-Dichloroethene	ND		0.0036	0.010	1	03/22/2023 03:34	
trans-1,2-Dichloroethene	ND		0.12	0.50	1	03/22/2023 03:34	
1,2-Dichloropropane	ND		0.029	0.20	1	03/22/2023 03:34	
cis-1,3-Dichloropropene	ND		0.13	0.50	1	03/22/2023 03:34	
trans-1,3-Dichloropropene	ND		0.20	0.50	1	03/22/2023 03:34	
Ethylbenzene	ND		0.14	0.50	1	03/22/2023 03:34	
Methylene chloride	ND		0.75	2.0	1	03/22/2023 03:34	
1,1,2,2-Tetrachloroethane	ND		0.018	0.020	1	03/22/2023 03:34	
Tetrachloroethene	ND		0.028	0.20	1	03/22/2023 03:34	
Toluene	ND		0.096	0.50	1	03/22/2023 03:34	
1,1,1-Trichloroethane	ND		0.14	0.50	1	03/22/2023 03:34	
1,1,2-Trichloroethane	ND		0.026	0.20	1	03/22/2023 03:34	
Trichloroethene	ND		0.030	0.50	1	03/22/2023 03:34	
Trichlorofluoromethane	ND		0.13	0.50	1	03/22/2023 03:34	
Vinyl chloride	ND		0.0027	0.0050	1	03/22/2023 03:34	
Surrogates	REC (%)	Limits					Date Analyzed
Dibromofluoromethane	118	70-130					03/22/2023 03:34
Toluene-d8	129	70-130					03/22/2023 03:34
4-BFB	92	70-130					03/22/2023 03:34

Analyst(s): ALU



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/21/2023 14:00
Date Prepared: 03/21/2023
Project: Semi-Annual Sampling (March 2023)

WorkOrder: 2303E79
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected			Instrument	Batch ID
E-001	2303E79-001C	Water	03/21/2023 12:15			GC48 03232343.D	265964
Analytes	Result	MDL	RL	DF	Date Analyzed		
Acenaphthene	ND	0.019	0.047	10	03/24/2023 04:13		
Acenaphthylene	ND	0.0088	0.047	10	03/24/2023 04:13		
Anthracene	ND	0.025	0.047	10	03/24/2023 04:13		
Benzidine	ND	23	47	10	03/24/2023 04:13		
Benzo (a) anthracene	ND	0.11	0.47	10	03/24/2023 04:13		
Benzo (a) pyrene	ND	0.029	0.047	10	03/24/2023 04:13		
Benzo (b) fluoranthene	ND	0.053	0.19	10	03/24/2023 04:13		
Benzo (g,h,i) perylene	ND	0.048	0.19	10	03/24/2023 04:13		
Benzo (k) fluoranthene	ND	0.049	0.19	10	03/24/2023 04:13		
Benzyl Alcohol	ND	30	47	10	03/24/2023 04:13		
Bis (2-chloroethoxy) Methane	ND	2.4	9.4	10	03/24/2023 04:13		
Bis (2-chloroethyl) Ether	ND	0.019	0.047	10	03/24/2023 04:13		
Bis (2-chloroisopropyl) Ether	ND	0.14	0.47	10	03/24/2023 04:13		
Bis (2-ethylhexyl) Adipate	ND	2.5	9.4	10	03/24/2023 04:13		
Bis (2-ethylhexyl) Phthalate	11	0.42	1.9	10	03/24/2023 04:13		
4-Bromophenyl Phenyl Ether	ND	1.4	9.4	10	03/24/2023 04:13		
Butylbenzyl Phthalate	ND	0.070	0.47	10	03/24/2023 04:13		
4-Chloroaniline	ND	0.013	0.047	10	03/24/2023 04:13		
4-Chloro-3-methylphenol	ND	3.5	9.4	10	03/24/2023 04:13		
2-Chloronaphthalene	ND	2.1	9.4	10	03/24/2023 04:13		
2-Chlorophenol	ND	0.12	0.47	10	03/24/2023 04:13		
4-Chlorophenyl Phenyl Ether	ND	2.1	9.4	10	03/24/2023 04:13		
Carbazole	ND	3.0	9.4	10	03/24/2023 04:13		
Chrysene	ND	0.019	0.047	10	03/24/2023 04:13		
Dibenzo (a,h) anthracene	ND	0.053	0.19	10	03/24/2023 04:13		
n-Decane	ND	2.5	9.4	10	03/24/2023 04:13		
Dibenzofuran	ND	0.014	0.047	10	03/24/2023 04:13		
Di-n-butyl Phthalate	ND	0.17	0.47	10	03/24/2023 04:13		
1,2-Dichlorobenzene	ND	1.6	9.4	10	03/24/2023 04:13		
1,3-Dichlorobenzene	ND	2.6	9.4	10	03/24/2023 04:13		
1,4-Dichlorobenzene	ND	2.6	9.4	10	03/24/2023 04:13		
3,3-Dichlorobenzidine	ND	0.023	0.047	10	03/24/2023 04:13		
2,4-Dichlorophenol	ND	0.028	0.094	10	03/24/2023 04:13		
Diethyl Phthalate	ND	0.15	0.47	10	03/24/2023 04:13		
2,4-Dimethylphenol	ND	4.6	9.4	10	03/24/2023 04:13		
Dimethyl Phthalate	ND	0.045	0.094	10	03/24/2023 04:13		
4,6-Dinitro-2-methylphenol	ND	18	47	10	03/24/2023 04:13		

(Cont.)



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/21/2023 14:00
Date Prepared: 03/21/2023
Project: Semi-Annual Sampling (March 2023)

WorkOrder: 2303E79
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected			Instrument	Batch ID
E-001	2303E79-001C	Water	03/21/2023 12:15			GC48 03232343.D	265964
Analytes	Result	MDL	RL	DF	Date Analyzed		
2,4-Dinitrophenol	ND	3.6	9.4	10	03/24/2023 04:13		
2,4-Dinitrotoluene	ND	0.19	0.47	10	03/24/2023 04:13		
2,6-Dinitrotoluene	ND	0.18	0.47	10	03/24/2023 04:13		
Di-n-octyl Phthalate	ND	7.3	9.4	10	03/24/2023 04:13		
1,2-Diphenylhydrazine	ND	1.9	9.4	10	03/24/2023 04:13		
Fluoranthene	ND	0.025	0.094	10	03/24/2023 04:13		
Fluorene	ND	0.027	0.094	10	03/24/2023 04:13		
Hexachlorobenzene	ND	0.015	0.047	10	03/24/2023 04:13		
Hexachlorobutadiene	ND	0.019	0.047	10	03/24/2023 04:13		
Hexachlorocyclopentadiene	ND	22	47	10	03/24/2023 04:13		
Hexachloroethane	ND	0.027	0.094	10	03/24/2023 04:13		
Indeno (1,2,3-cd) pyrene	ND	0.068	0.19	10	03/24/2023 04:13		
Isophorone	ND	8.7	19	10	03/24/2023 04:13		
2-Methylnaphthalene	ND	0.014	0.047	10	03/24/2023 04:13		
2-Methylphenol (o-Cresol)	ND	3.1	9.4	10	03/24/2023 04:13		
3 & 4-Methylphenol (m,p-Cresol)	ND	2.4	9.4	10	03/24/2023 04:13		
Naphthalene	ND	0.11	0.47	10	03/24/2023 04:13		
2-Nitroaniline	ND	12	47	10	03/24/2023 04:13		
3-Nitroaniline	ND	17	47	10	03/24/2023 04:13		
4-Nitroaniline	ND	18	47	10	03/24/2023 04:13		
Nitrobenzene	ND	2.7	9.4	10	03/24/2023 04:13		
2-Nitrophenol	ND	16	47	10	03/24/2023 04:13		
4-Nitrophenol	ND	15	47	10	03/24/2023 04:13		
N-Nitrosodimethylamine	ND	18	47	10	03/24/2023 04:13		
N-Nitrosodiphenylamine	ND	2.2	9.4	10	03/24/2023 04:13		
N-Nitrosodi-n-propylamine	ND	3.3	9.4	10	03/24/2023 04:13		
n-Octadecane	ND	1.0	9.4	10	03/24/2023 04:13		
Pentachlorophenol	ND	0.84	2.4	10	03/24/2023 04:13		
Phenanthrene	ND	0.025	0.047	10	03/24/2023 04:13		
Phenol	ND	0.54	1.9	10	03/24/2023 04:13		
Pyrene	ND	0.018	0.047	10	03/24/2023 04:13		
Pyridine	ND	2.2	9.4	10	03/24/2023 04:13		
1,2,4-Trichlorobenzene	ND	1.8	9.4	10	03/24/2023 04:13		
2,4,5-Trichlorophenol	ND	0.024	0.094	10	03/24/2023 04:13		
2,4,6-Trichlorophenol	ND	0.036	0.094	10	03/24/2023 04:13		

(Cont.)



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/21/2023 14:00
Date Prepared: 03/21/2023
Project: Semi-Annual Sampling (March 2023)

WorkOrder: 2303E79
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2303E79-001C	Water	03/21/2023 12:15	GC48 03232343.D	265964
<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
<u>Surrogates</u>	<u>REC (%)</u>	<u>Qualifiers</u>	<u>Limits</u>		
2-Fluorophenol	44		20-103		03/24/2023 04:13
Phenol-d5	26		20-120		03/24/2023 04:13
Nitrobenzene-d5	57	S	61-130		03/24/2023 04:13
2-Fluorobiphenyl	64		63-115		03/24/2023 04:13
2,4,6-Tribromophenol	78		48-149		03/24/2023 04:13
4-Terphenyl-d14	57		32-113		03/24/2023 04:13
Analyst(s): KVE			Analytical Comments: c1		

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2303E79
Date Prepared:	03/22/2023	BatchID:	266079
Date Analyzed:	03/23/2023	Extraction Method:	E608.3/SW3620B
Instrument:	GC40	Analytical Method:	E608.3
Matrix:	Water	Unit:	µg/L
Project:	Semi-Annual Sampling (March 2023)	Sample ID:	MB/LCS/LCSD-266079

QC Summary Report for E608.3 w/ Florisil Clean-up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aldrin	ND	0.00028	0.0010	-	-	-
a-BHC	ND	0.00031	0.0010	-	-	-
b-BHC	ND	0.00069	0.0010	-	-	-
d-BHC	ND	0.00014	0.0010	-	-	-
g-BHC	ND	0.00045	0.0010	-	-	-
Chlordane (Technical)	ND	0.0023	0.020	-	-	-
a-Chlordane	ND	0.00085	0.0010	-	-	-
g-Chlordane	ND	0.00015	0.0010	-	-	-
p,p-DDD	ND	0.00011	0.0010	-	-	-
p,p-DDE	0.00019, J	0.00018	0.0010	-	-	-
p,p-DDT	ND	0.00017	0.0010	-	-	-
Dieldrin	ND	0.00014	0.0010	-	-	-
Endosulfan I	ND	0.00011	0.0010	-	-	-
Endosulfan II	ND	0.00046	0.0010	-	-	-
Endosulfan sulfate	ND	0.00033	0.0020	-	-	-
Endrin	ND	0.00018	0.0010	-	-	-
Endrin aldehyde	ND	0.00053	0.0010	-	-	-
Endrin ketone	ND	0.00026	0.0010	-	-	-
Heptachlor	ND	0.00041	0.0010	-	-	-
Heptachlor epoxide	ND	0.00025	0.0010	-	-	-
Methoxychlor	ND	0.00012	0.0010	-	-	-
Toxaphene	ND	0.0020	0.020	-	-	-
Aroclor1016	ND	0.0019	0.020	-	-	-
Aroclor1221	ND	0.0024	0.020	-	-	-
Aroclor1232	ND	0.0038	0.020	-	-	-
Aroclor1242	ND	0.0028	0.020	-	-	-
Aroclor1248	ND	0.0018	0.020	-	-	-
Aroclor1254	ND	0.0015	0.020	-	-	-
Aroclor1260	ND	0.0028	0.020	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.043			0.05	85	60-130



Quality Control Report

Client: PG&E Gateway Generating Station
 Date Prepared: 03/22/2023
 Date Analyzed: 03/23/2023
 Instrument: GC40
 Matrix: Water
 Project: Semi-Annual Sampling (March 2023)

WorkOrder: 2303E79
 BatchID: 266079
 Extraction Method: E608.3/SW3620B
 Analytical Method: E608.3
 Unit: µg/L
 Sample ID: MB/LCS/LCSD-266079

QC Summary Report for E608.3 w/ Florisil Clean-up

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aldrin	0.051	0.053	0.050	103	106	54-130	2.81	20
a-BHC	0.057	0.058	0.050	114	116	70-130	2.52	20
b-BHC	0.045	0.047	0.050	89	93	70-130	4.06	20
d-BHC	0.061	0.063	0.050	122	127	70-130	3.79	20
g-BHC	0.045	0.047	0.050	91	94	60-130	4.10	20
a-Chlordane	0.052	0.054	0.050	103	107	55-130	3.84	20
g-Chlordane	0.056	0.058	0.050	112	117	55-130	3.94	20
p,p-DDD	0.057	0.061	0.050	114	121	70-130	6.31	20
p,p-DDE	0.053	0.055	0.050	105	111	70-130	5.08	20
p,p-DDT	0.056	0.061	0.050	113	121	70-130	7.33	20
Dieldrin	0.052	0.054	0.050	104	108	70-130	4.08	20
Endosulfan I	0.055	0.055	0.050	109	111	70-130	1.55	20
Endosulfan II	0.055	0.058	0.050	110	116	70-130	5.32	20
Endosulfan sulfate	0.059	0.063	0.050	119	126	70-130	5.73	20
Endrin	0.066	0.070	0.050	133.F2	140.F2	70-130	5.30	20
Endrin aldehyde	0.059	0.062	0.050	118	124	60-130	5.70	20
Endrin ketone	0.060	0.063	0.050	120	127	60-130	5.42	20
Heptachlor	0.058	0.060	0.050	115	120	43-130	3.43	20
Heptachlor epoxide	0.050	0.052	0.050	101	104	70-130	3.54	20
Methoxychlor	0.063	0.068	0.050	126	135.F2	70-130	7.52	20
Aroclor 1016	0.15	0.15	0.15	101	102	70-130	0.888	20
Aroclor 1260	0.13	0.14	0.15	88	90	70-130	2.48	20
Surrogate Recovery								
Decachlorobiphenyl	0.048	0.051	0.050	97	102	60-130	5.67	20

Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/21/2023
Date Analyzed: 03/21/2023
Instrument: GC10
Matrix: Water
Project: Semi-Annual Sampling (March 2023)

WorkOrder: 2303E79
BatchID: 266077
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-266077

QC Summary Report for E624.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acrolein (Propenal)	ND	3.9	5.0	-	-	-
Acrylonitrile	ND	0.23	2.0	-	-	-
2-Chloroethyl Vinyl Ether	ND	0.44	1.0	-	-	-
Surrogate Recovery						
Dibromofluoromethane	27			25	108	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Acrolein (Propenal)	23	26	20	116	130	71-140	11.6 20
Acrylonitrile	20	21	20	98	107	67-145	8.70 20
2-Chloroethyl Vinyl Ether	17	18	20	86	90	70-124	4.62 20
Surrogate Recovery							
Dibromofluoromethane	27	27	25	107	106	70-130	0.934 20

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2303E79
Date Prepared:	03/21/2023	BatchID:	265971
Date Analyzed:	03/21/2023	Extraction Method:	E624.1
Instrument:	GC49	Analytical Method:	E624.1
Matrix:	Water	Unit:	µg/L
Project:	Semi-Annual Sampling (March 2023)	Sample ID:	MB/LCS/LCSD-265971

QC Summary Report for E624.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Benzene	ND	0.034	0.20	-	-	-
Bromodichloromethane	ND	0.022	0.060	-	-	-
Bromoform	ND	0.10	0.50	-	-	-
Bromomethane	ND	0.26	0.50	-	-	-
Carbon tetrachloride	ND	0.033	0.050	-	-	-
Chlorobenzene	ND	0.092	0.50	-	-	-
Chloroethane	ND	0.23	0.50	-	-	-
Chloroform	ND	0.015	0.10	-	-	-
Chloromethane	ND	0.18	0.50	-	-	-
Dibromochloromethane	ND	0.069	0.15	-	-	-
1,2-Dichlorobenzene	ND	0.11	0.50	-	-	-
1,3-Dichlorobenzene	ND	0.12	0.50	-	-	-
1,4-Dichlorobenzene	ND	0.11	0.50	-	-	-
1,1-Dichloroethane	ND	0.14	0.50	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.011	0.020	-	-	-
1,1-Dichloroethene	ND	0.0036	0.010	-	-	-
trans-1,2-Dichloroethane	ND	0.12	0.50	-	-	-
1,2-Dichloropropane	ND	0.029	0.20	-	-	-
cis-1,3-Dichloropropene	ND	0.13	0.50	-	-	-
trans-1,3-Dichloropropene	ND	0.20	0.50	-	-	-
Ethylbenzene	ND	0.14	0.50	-	-	-
Methylene chloride	ND	0.75	2.0	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.018	0.020	-	-	-
Tetrachloroethane	ND	0.028	0.20	-	-	-
Toluene	ND	0.096	0.50	-	-	-
1,1,1-Trichloroethane	ND	0.14	0.50	-	-	-
1,1,2-Trichloroethane	ND	0.026	0.20	-	-	-
Trichloroethene	ND	0.030	0.50	-	-	-
Trichlorofluoromethane	ND	0.13	0.50	-	-	-
Vinyl chloride	ND	0.0027	0.0050	-	-	-

Surrogate Recovery

Dibromofluoromethane	29	25	114	70-130
Toluene-d8	31	25	126	70-130
4-BFB	2.2	2.5	88	70-130

(Cont.)

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Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2303E79
Date Prepared:	03/21/2023	BatchID:	265971
Date Analyzed:	03/21/2023	Extraction Method:	E624.1
Instrument:	GC49	Analytical Method:	E624.1
Matrix:	Water	Unit:	µg/L
Project:	Semi-Annual Sampling (March 2023)	Sample ID:	MB/LCS/LCSD-265971

QC Summary Report for E624.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Benzene	4.2	4.4	4	106	109	65-130	4.10	20
Bromodichloromethane	4.4	4.7	4	111	117	60-130	5.48	20
Bromoform	3.9	4.2	4	98	104	70-130	6.72	20
Bromomethane	3.7	3.9	4	92	97	50-130	5.21	20
Carbon tetrachloride	4.5	4.8	4	113	119	70-130	5.51	20
Chlorobenzene	4.3	4.4	4	107	111	65-130	3.70	20
Chloroethane	3.8	4.0	4	94	99	60-140	5.44	20
Chloroform	4.7	5.0	4	118	124	70-130	4.88	20
Chloromethane	4.8	5.0	4	120	126	50-130	4.43	20
Dibromochloromethane	4.6	4.9	4	116	123	70-130	6.17	20
1,2-Dichlorobenzene	4.0	4.2	4	100	105	65-130	4.77	20
1,3-Dichlorobenzene	4.2	4.4	4	106	110	70-130	3.84	20
1,4-Dichlorobenzene	4.3	4.4	4	107	110	65-130	3.30	20
1,1-Dichloroethane	4.5	4.7	4	113	118	70-130	3.74	20
1,2-Dichloroethane (1,2-DCA)	4.9	5.1	4	122	128	70-130	5.28	20
1,1-Dichloroethene	4.3	4.5	4	107	111	60-130	3.89	20
trans-1,2-Dichloroethane	4.4	4.6	4	110	116	70-130	5.11	20
1,2-Dichloropropane	4.3	4.6	4	109	114	60-130	4.87	20
cis-1,3-Dichloropropene	4.3	4.5	4	108	114	60-130	5.16	20
trans-1,3-Dichloropropene	4.3	4.5	4	108	114	60-130	5.07	20
Ethylbenzene	4.4	4.6	4	110	114	60-130	3.86	20
Methylene chloride	4.6	4.7	4	114	118	60-130	3.63	20
1,1,2,2-Tetrachloroethane	4.0	4.2	4	101	105	60-130	4.24	20
Tetrachloroethane	4.3	4.4	4	107	111	70-130	3.63	20
Toluene	4.0	4.5	4	100	114	70-130	12.7	20
1,1,1-Trichloroethane	4.7	4.9	4	118	124	70-130	4.49	20
1,1,2-Trichloroethane	4.0	4.2	4	101	105	70-130	4.06	20
Trichloroethene	4.6	4.8	4	115	120	65-130	4.00	20
Trichlorofluoromethane	4.6	4.8	4	115	120	60-130	4.29	20
Vinyl chloride	2.0	2.1	2	100	104	60-130	4.14	20
Surrogate Recovery								
Dibromofluoromethane	29	29	25	116	117	70-130	1.03	20
Toluene-d8	31	32	25	126	126	70-130	0.487	20
4-BFB	2.3	2.3	2.5	93	93	70-130	0.317	20



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2303E79
Date Prepared:	03/21/2023	BatchID:	265964
Date Analyzed:	03/21/2023	Extraction Method:	E625.1
Instrument:	GC21	Analytical Method:	E625.1
Matrix:	Water	Unit:	µg/L
Project:	Semi-Annual Sampling (March 2023)	Sample ID:	MB/LCS/LCSD-265964

QC Summary Report for E625.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acenaphthene	ND	0.0020	0.0050	-	-	-
Acenaphthylene	ND	0.00093	0.0050	-	-	-
Anthracene	ND	0.0027	0.0050	-	-	-
Benzidine	ND	2.4	5.0	-	-	-
Benzo (a) anthracene	ND	0.012	0.050	-	-	-
Benzo (a) pyrene	ND	0.0031	0.0050	-	-	-
Benzo (b) fluoranthene	ND	0.0056	0.020	-	-	-
Benzo (g,h,i) perylene	ND	0.0051	0.020	-	-	-
Benzo (k) fluoranthene	ND	0.0052	0.020	-	-	-
Benzyl Alcohol	ND	3.2	5.0	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.25	1.0	-	-	-
Bis (2-chloroethyl) Ether	ND	0.0020	0.0050	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.015	0.050	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.27	1.0	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	0.045	0.20	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.15	1.0	-	-	-
Butylbenzyl Phthalate	ND	0.0074	0.050	-	-	-
4-Chloroaniline	ND	0.0014	0.0050	-	-	-
4-Chloro-3-methylphenol	ND	0.37	1.0	-	-	-
2-Chloronaphthalene	ND	0.22	1.0	-	-	-
2-Chlorophenol	ND	0.013	0.050	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.22	1.0	-	-	-
Carbazole	ND	0.32	1.0	-	-	-
Chrysene	ND	0.0020	0.0050	-	-	-
Dibenzo (a,h) anthracene	ND	0.0056	0.020	-	-	-
n-Decane	ND	0.27	1.0	-	-	-
Dibenzofuran	ND	0.0015	0.0050	-	-	-
Di-n-butyl Phthalate	ND	0.018	0.050	-	-	-
1,2-Dichlorobenzene	ND	0.17	1.0	-	-	-
1,3-Dichlorobenzene	ND	0.28	1.0	-	-	-
1,4-Dichlorobenzene	ND	0.28	1.0	-	-	-
3,3-Dichlorobenzidine	ND	0.0024	0.0050	-	-	-
2,4-Dichlorophenol	ND	0.0030	0.010	-	-	-
Diethyl Phthalate	ND	0.016	0.050	-	-	-
2,4-Dimethylphenol	ND	0.49	1.0	-	-	-
Dimethyl Phthalate	ND	0.0048	0.010	-	-	-
4,6-Dinitro-2-methylphenol	ND	1.9	5.0	-	-	-
2,4-Dinitrophenol	ND	0.38	1.0	-	-	-

(Cont.)

CA ELAP 1644 • NELAP 10330RELAP



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2303E79
Date Prepared: 03/21/2023		BatchID: 265964	
Date Analyzed:	03/21/2023	Extraction Method:	E625.1
Instrument:	GC21	Analytical Method:	E625.1
Matrix:	Water	Unit:	µg/L
Project:	Semi-Annual Sampling (March 2023)	Sample ID:	MB/LCS/LCSD-265964

QC Summary Report for E625.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
2,4-Dinitrotoluene	ND	0.020	0.060	-	-	-
2,6-Dinitrotoluene	ND	0.019	0.060	-	-	-
Di-n-octyl Phthalate	ND	0.77	1.0	-	-	-
1,2-Diphenylhydrazine	ND	0.20	1.0	-	-	-
Fluoranthene	ND	0.0027	0.010	-	-	-
Fluorene	ND	0.0029	0.010	-	-	-
Hexachlorobenzene	ND	0.0016	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0020	0.0050	-	-	-
Hexachlorocyclopentadiene	ND	2.3	5.0	-	-	-
Hexachloroethane	ND	0.0029	0.010	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0072	0.020	-	-	-
Isophorone	ND	0.92	2.0	-	-	-
2-Methylnaphthalene	ND	0.0015	0.0050	-	-	-
2-Methylphenol (o-Cresol)	ND	0.33	1.0	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.25	1.0	-	-	-
Naphthalene	ND	0.012	0.050	-	-	-
2-Nitroaniline	ND	1.3	5.0	-	-	-
3-Nitroaniline	ND	1.8	5.0	-	-	-
4-Nitroaniline	ND	1.9	5.0	-	-	-
Nitrobenzene	ND	0.29	1.0	-	-	-
2-Nitrophenol	ND	1.7	5.0	-	-	-
4-Nitrophenol	ND	1.6	5.0	-	-	-
N-Nitrosodimethylamine	ND	1.9	5.0	-	-	-
N-Nitrosodibenzylamine	ND	0.23	1.0	-	-	-
N-Nitrosodi-n-propylamine	ND	0.35	1.0	-	-	-
n-Octadecane	ND	0.11	1.0	-	-	-
Pentachlorophenol	ND	0.089	0.25	-	-	-
Phenanthrene	ND	0.0026	0.0050	-	-	-
Phenol	ND	0.057	0.20	-	-	-
Pyrene	ND	0.0019	0.0050	-	-	-
Pyridine	ND	0.23	1.0	-	-	-
1,2,4-Trichlorobenzene	ND	0.19	1.0	-	-	-
2,4,5-Trichlorophenol	ND	0.0025	0.010	-	-	-
2,4,6-Trichlorophenol	ND	0.0038	0.010	-	-	-





Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2303E79
Date Prepared:	03/21/2023	BatchID:	265964
Date Analyzed:	03/21/2023	Extraction Method:	E625.1
Instrument:	GC21	Analytical Method:	E625.1
Matrix:	Water	Unit:	µg/L
Project:	Semi-Annual Sampling (March 2023)	Sample ID:	MB/LCS/LCSD-265964

QC Summary Report for E625.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
2-Fluorophenol	2.6			5	51	20-103
Phenol-d5	1.6			5	33	20-120
Nitrobenzene-d5	3.7			5	74	61-130
2-Fluorobiphenyl	3.6			5	72	63-115
2,4,6-Tribromophenol	4.3			5	87	48-149
4-Terphenyl-d14	3.7			5	73	32-113

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2303E79
Date Prepared:	03/21/2023	BatchID:	265964
Date Analyzed:	03/21/2023	Extraction Method:	E625.1
Instrument:	GC21	Analytical Method:	E625.1
Matrix:	Water	Unit:	µg/L
Project:	Semi-Annual Sampling (March 2023)	Sample ID:	MB/LCS/LCSD-265964

QC Summary Report for E625.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aceenaphthene	0.26	0.26	0.26	98	100	60-132	1.98	25
Aceenaphthylene	0.21	0.21	0.26	84	85	54-126	0.604	25
Anthracene	0.24	0.24	0.26	97	98	60-130	1.00	25
Benzidine	21	21	25	85	86	20-130	0.822	25
Benzo (a) anthracene	0.28	0.28	0.25	111	112	60-130	0.356	25
Benzo (a) pyrene	0.27	0.28	0.25	107	110	60-130	2.88	25
Benzo (b) fluoranthene	0.27	0.28	0.25	107	110	60-130	3.14	25
Benzo (g,h,i) perylene	0.25	0.26	0.25	99	103	50-130	3.97	25
Benzo (k) fluoranthene	0.27	0.28	0.25	109	112	60-130	2.83	25
Benzyl Alcohol	24	23	25	94	91	60-130	3.02	25
Bis (2-chloroethoxy) Methane	4.7	4.7	5	95	94	65-130	1.03	25
Bis (2-chloroethyl) Ether	0.23	0.23	0.25	94	93	60-130	0.847	25
Bis (2-chloroisopropyl) Ether	0.20	0.21	0.25	80	82	63-139	2.63	25
Bis (2-ethylhexyl) Adipate	6.4	6.5	5	128	129	60-130	1.14	25
Bis (2-ethylhexyl) Phthalate	0.33	0.34	0.25	133.F5	136.F5	60-130	2.38	25
4-Bromophenyl Phenyl Ether	4.7	4.9	5	95	99	65-120	4.20	25
Butylbenzyl Phthalate	0.32	0.32	0.25	126	127	60-140	0.322	25
4-Chloroaniline	0.25	0.25	0.25	99	99	60-130	0.357	25
4-Chloro-3-methylphenol	5.9	5.8	5	118	115	65-130	2.38	25
2-Chloronaphthalene	4.7	4.8	5	94	96	65-120	1.17	25
2-Chlorophenol	0.19	0.19	0.25	77	78	60-130	1.40	25
4-Chlorophenyl Phenyl Ether	4.7	4.8	5	94	96	65-130	2.52	25
Carbazole	5.7	5.8	5	114	116	70-130	1.60	25
Chrysene	0.28	0.28	0.25	112	112	70-130	0.180	25
Dibenzo (a,h) anthracene	0.26	0.27	0.25	104	108	50-130	3.35	25
n-Decane	3.7	3.7	5	75	75	30-130	0.0321	25
Dibenzofuran	0.23	0.23	0.25	94	93	65-130	0.132	25
Di-n-butyl Phthalate	0.31	0.32	0.25	124	126	60-130	2.03	25
1,2-Dichlorobenzene	4.2	4.2	5	83	85	60-130	1.82	25
1,3-Dichlorobenzene	3.8	3.9	5	77	79	60-130	2.51	25
1,4-Dichlorobenzene	4.0	4.0	5	80	79	60-130	1.42	25
3,3-Dichlorobenzidine	0.27	0.27	0.25	107	109	60-130	1.80	25
2,4-Dichlorophenol	0.24	0.23	0.25	94	92	53-122	1.87	25
Diethyl Phthalate	0.25	0.25	0.25	98	99	65-130	1.02	25
2,4-Dimethylphenol	4.7	4.6	5	94	92	60-130	1.63	25
Dimethyl Phthalate	0.19	0.19	0.25	76	76	60-130	0.171	25
4,6-Dinitro-2-methylphenol	29	30	25	117	120	60-130	2.12	25
2,4-Dinitrophenol	5.2	5.2	5	105	105	50-130	0.132	25

(Cont.)

CA ELAP 1644 • NELAP 10330RELAAP



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2303E79
Date Prepared:	03/21/2023	BatchID:	265964
Date Analyzed:	03/21/2023	Extraction Method:	E625.1
Instrument:	GC21	Analytical Method:	E625.1
Matrix:	Water	Unit:	µg/L
Project:	Semi-Annual Sampling (March 2023)	Sample ID:	MB/LCS/LCSD-265964

QC Summary Report for E625.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
2,4-Dinitrotoluene	0.27	0.27	0.25	107	108	70-130	0.0644	25
2,6-Dinitrotoluene	0.26	0.26	0.25	105	103	68-137	1.41	25
Di-n-octyl Phthalate	5.8	5.9	5	146	118	70-130	1.36	25
1,2-Diphenylhydrazine	5.1	5.2	5	101	105	65-130	3.16	25
Fluoranthene	0.26	0.27	0.25	105	107	65-130	2.14	25
Fluorene	0.24	0.23	0.25	95	94	70-120	1.07	25
Hexachlorobenzene	0.25	0.25	0.25	99	100	60-130	1.08	25
Hexachlorobutadiene	0.21	0.21	0.25	84	84	68-130	0.574	25
Hexachlorocyclopentadiene	22	22	25	87	90	50-130	2.34	25
Hexachloroethane	0.20	0.20	0.25	82	80	55-120	1.93	25
Indeno (1,2,3-cd) pyrene	0.26	0.27	0.25	103	108	50-130	4.34	25
Isophorone	4.8	4.7	5	96	95	52-130	0.982	25
2-Methylnaphthalene	0.22	0.22	0.25	87	86	60-130	0.813	25
2-Methylphenol (o-Cresol)	3.9	4.0	5	77	81	60-130	4.46	25
3 & 4-Methylphenol (m,p-Cresol)	3.8	3.5	5	75	69	60-130	8.43	25
Naphthalene	0.21	0.21	0.25	86	84	70-130	1.54	25
2-Nitroaniline	29	28	25	114	114	65-130	0.576	25
3-Nitroaniline	29	29	25	115	116	70-140	0.825	25
4-Nitroaniline	32	31	25	126	124	70-130	1.74	25
Nitrobenzene	4.6	4.4	5	92	88	60-130	4.38	25
2-Nitrophenol	27	26	25	109	106	70-130	2.77	25
4-Nitrophenol	14	14	25	58	57	30-130	1.98	25
N-Nitrosodimethylamine	14	14	25	58	56	30-130	2.37	25
N-Nitrosodibenzylamine	5.2	5.2	5	103	104	65-130	0.777	25
N-Nitrosodi-n-propylamine	4.6	4.7	5	92	93	59-130	0.972	25
n-Octadecane	5.4	5.5	5	107	111	60-130	2.89	25
Pentachlorophenol	1.8	1.8	1.25	144,F5	146,F5	60-130	1.79	25
Phenanthrene	0.26	0.26	0.25	103	105	65-120	1.92	25
Phenol	0.38	0.39	1	38,F5	39,F5	48-120	0.596	25
Pyrene	0.26	0.26	0.25	104	105	70-120	0.819	25
Pyridine	1.7	1.8	5	33	35	30-130	5.28	25
1,2,4-Trichlorobenzene	4.2	4.3	5	85	85	57-130	0.816	25
2,4,5-Trichlorophenol	0.26	0.27	0.25	105	107	65-130	1.58	25
2,4,6-Trichlorophenol	0.25	0.25	0.25	99	100	69-130	1.38	25





Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/21/2023
Date Analyzed: 03/21/2023
Instrument: GC21
Matrix: Water
Project: Semi-Annual Sampling (March 2023)

WorkOrder: 2303E79
BatchID: 265964
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-265964

QC Summary Report for E625.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
2-Fluorophenol	2.3	2.2	5	46	45	20-103	1.95	25
Phenol-d5	1.7	1.6	5	33	32	20-120	2.95	25
Nitrobenzene-d5	3.9	3.8	5	79	76	61-130	4.00	25
2-Fluorobiphenyl	3.9	3.9	5	78	79	63-115	0.408	25
2,4,6-Tribromophenol	5.0	5.2	5	100	103	48-149	2.76	25
4-Terphenyl-d14	4.3	4.3	5	86	85	32-113	1.01	25



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2303E79

ClientCode: PGEA

☐ WaterTrax ☐ CLIP ☐ EDF ☐ EQuIS ☐ Dry-Weight ☒ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Excel

Report to:

Angel Espiritu
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509
(925) 459-7212 FAX:

Email: abe4@pge.com
cc/3rd Party: a1he@pge.com; j5ld@pge.com; t1WY@pg
PO:
Project: Semi-Annual Sampling (March 2023)

Bill to:

Angel Espiritu
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509

Requested TAT: 5 days;

Date Received: 03/21/2023

Date Logged: 03/21/2023

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2303E79-001	E-001	Water	3/21/2023 12:15	<input type="checkbox"/>	D	A	B	C	A							

Test Legend:

1	608_W
5	PRDisposal Fee
9	

2	624_W
6	
10	

3	624ACR+2CEVE_W
7	
11	

4	625_SCSM_W
8	
12	

Prepared by: Yvette Gallegos

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Semi-Annual Sampling (March 2023)

Work Order: 2303E79

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 3/21/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQUIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001	Water	E624.1 (VOCs) <1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2-Dichlorobenzene, 1,2-Dichloroethane (1,2-DCA), 1,2-Dichloropropane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Benzene, Bromodichloromethane, Bromoform, Bromomethane, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, cis-1,3-Dichloropropene, Dibromochloromethane, Ethylbenzene, Methylene chloride, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene, Trichlorofluoromethane, Vinyl chloride>	2	VOA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/21/2023 12:15	5 days	3/28/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
001B	E-001	Water	E624.1 (ACRO, ACRY, & 2-CEVE) <2-Chloroethyl Vinyl Ether, Acrolein (Propenal), Acrylonitrile>	2	VOA, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/21/2023 12:15	5 days	3/28/2023	None	<input type="checkbox"/>	<input type="checkbox"/>

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Semi-Annual Sampling (March 2023)

Work Order: 2303E79

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 3/21/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQUIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001C	E-001	Water	E625.1 (SVOCs) <1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Diphenylhydrazine, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Methylnaphthalene, 2-Methylphenol (o-Cresol), 2-Nitroaniline, 2-Nitrophenol, 3 & 4-Methylphenol (m,p-Cresol), 3,3-Dichlorobenzidine, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Bromophenyl Phenyl Ether, 4-Chloro-3-methylphenol, 4-Chloroaniline, 4-Chlorophenyl Phenyl Ether, 4-Nitroaniline, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Anthracene, Benzidine, Benzo (a) anthracene, Benzo (a) pyrene, Benzo (b) fluoranthene, Benzo (g,h,i) perylene, Benzo (k) fluoranthene, Benzyl Alcohol, Bis (2-chloroethoxy) Methane, Bis (2-	1	1LA Narrow Mouth, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/21/2023 12:15	5 days	3/28/2023	None	<input type="checkbox"/>	<input type="checkbox"/>

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Semi-Annual Sampling (March 2023)

Work Order: 2303E79

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 3/21/2023

☐ WaterTrax

☐ CLIP

☐ EDF

☐ Excel

☐ EQUIS

☐ Email

☐ HardCopy

☐ ThirdParty

☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
			chloroethyl) Ether, Bis (2- chloroisopropyl) Ether, Bis (2- ethylhexyl) Adipate, Bis (2-ethylhexyl) Phthalate, Butylbenzyl Phthalate, Carbazole, Chrysene, Dibenzo (a,h) anthracene, Dibenzofuran, Diethyl Phthalate, Dimethyl Phthalate, Di-n- butyl Phthalate, Di-n-octyl Phthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno (1,2,3-cd) pyrene, Isophorone, Naphthalene, n- Decane, Nitrobenzene, N- Nitrosodimethylamine, N-Nitrosodi-n- propylamine, N-Nitrosodiphenylamine, n-Octadecane, Pentachlorophenol, Phenanthrene, Phenol, Pyrene, Pyridine>											

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Semi-Annual Sampling (March 2023)

Work Order: 2303E79

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 3/21/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQUIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001D	E-001	Water	E608.3 (OC Pesticides+PCBs w/ Florisil Clean-up) <a-BHC_1, a-Chlordane_1, Aldrin_1, Aroclor1016_1, Aroclor1221_1, Aroclor1232_1, Aroclor1242_1, Aroclor1248_1, Aroclor1254_1, Aroclor1260_1, b- BHC_1, Chlordane (Technical)_1, d- BHC_1, Dieldrin_1, Endosulfan I_1, Endosulfan II_1, Endosulfan sulfate_1, Endrin aldehyde_1, Endrin ketone_1, Endrin_1, g-BHC_1, g-Chlordane_1, Heptachlor epoxide_1, Heptachlor_1, Methoxychlor_1, p,p-DDD_1, p,p- DDE_1, p,p-DDT_1, PCBs, total_1, Toxaphene_1>	1	1LA Narrow Mouth, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/21/2023 12:15	5 days	3/28/2023	None	<input type="checkbox"/>	<input type="checkbox"/>

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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PITTSBURG, CA 94565-1701

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Fax: (925) 252-9269

TURN AROUND TIME

☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

GeoTracker EDF

PDF

Excel

Write On (DW)

Check if sample is effluent and "J" flag is required

Report To: Angel Espiritu

Bill To: PG&E Gateway

Analysis Request

Remarks

Company: PG&E Gateway Generating Station

E-Mail: abe4@pge.com, A1HE@pge.com, J5Ld@pge.com, t1WY@pge.com

Tel: (925) 522-7838, (510) 861-1597 (Cell) Fax: ()

Project Name: Semi-Annual Sampling (March 2023)

Project Location: Combined Site Flow

Sampler Signature: Muskan Environmental Sampling

[illegible]

Relinquished By:

Date:

Time:

Received By:

ICE# 4.0C west
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB

COMMENTS:

**TTO (EPA 608), TTO (EPA 624),
TTO (EPA 625) see ATTACHED
Appendix A and analyze only listed
compounds**

Relinquished By:

Date:

Time:

Received By:

Relinquished By:

Date:

Time:

Received By:

	VOAS	O&G	METALS	OTHER
2000	100	100	100	100
2001	100	100	100	100
2002	100	100	100	100
2003	100	100	100	100
2004	100	100	100	100
2005	100	100	100	100
2006	100	100	100	100
2007	100	100	100	100
2008	100	100	100	100
2009	100	100	100	100
2010	100	100	100	100
2011	100	100	100	100
2012	100	100	100	100
2013	100	100	100	100
2014	100	100	100	100
2015	100	100	100	100
2016	100	100	100	100
2017	100	100	100	100
2018	100	100	100	100
2019	100	100	100	100
2020	100	100	100	100
2021	100	100	100	100
2022	100	100	100	100
2023	100	100	100	100
2024	100	100	100	100
2025	100	100	100	100
2026	100	100	100	100
2027	100	100	100	100
2028	100	100	100	100
2029	100	100	100	100
2030	100	100	100	100
2031	100	100	100	100
2032	100	100	100	100
2033	100	100	100	100
2034	100	100	100	100
2035	100	100	100	100
2036	100	100	100	100
2037	100	100	100	100
2038	100	100	100	100
2039	100	100	100	100
2040	100	100	100	100
2041	100	100	100	100
2042	100	100	100	100
2043	100	100	100	100
2044	100	100	100	100
2045	100	100	100	100
2046	100	100	100	100
2047	100	100	100	100
2048	100	100	100	100
2049	100	100	100	100
2050	100	100	100	100



Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station
Project: Semi-Annual Sampling (March 2023)

Date and Time Received: 3/21/2023 14:00

Date Logged: 3/21/2023

Received by: Agustina Venegas

Logged by: Yvette Gallegos

WorkOrder No: 2303E79 Matrix: Water
Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 4°C	NA <input type="checkbox"/>
-------------------------------	-----------	-----------------------------

ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
--	---	-----------------------------	-----------------------------

Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
---	---	-----------------------------	--

pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
--	------------------------------	-----------------------------	--

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
--	------------------------------	-----------------------------	--

Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
--	------------------------------	-----------------------------	--

Comments:

Attachment 8d
Laboratory Results
Annual Monitoring of Combined Site Stream
(E-001)



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2303E80 **Amended:** 03/29/2023

Revision: 1

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Angel Espiritu

Project P.O.:

Project: Annual Sampling (March 2023)

Project Received: 03/21/2023

Analytical Report reviewed & approved for release on 03/28/2023 by:

Jena Alfaro

Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.





McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
<http://www.mcccampbell.com> / E-mail: main@mcccampbell.com

Revision History

Client: PG&E Gateway Generating Station

WorkOrder: 2303E80

Project: Annual Sampling (March 2023)

<u>Date</u>	<u>Revision</u>	<u>Reason</u>
03/29/2023	1	Revised to include MDLs/J-Flags



Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2303E80

Project: Annual Sampling (March 2023)

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit ¹
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting limit ²
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure

¹ MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 82.1-R-16-006, December 2016.

² RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.)



Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2303E80

Project: Annual Sampling (March 2023)

TEQ Toxicity Equivalents

TZA TimeZone Net Adjustment for sample collected outside of MAI's UTC.

WET (STLC) Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

S Surrogate recovery outside accepted recovery limits.

c1 Surrogate recovery outside of the control limits due to the dilution of the sample.

Quality Control Qualifiers

F1 MS/MSD recovery and/or RPD is out of acceptance criteria; LCS validates the prep batch.



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/21/2023 14:00
Date Prepared: 03/22/2023
Project: Annual Sampling (March 2023)

WorkOrder: 2303E80
Extraction Method: E300.1
Analytical Method: E300.1
Unit: mg/L

Inorganic Anions by IC

Client ID	Lab ID	Matrix	Date Collected			Instrument	Batch ID
E-001	2303E80-001B	Water	03/21/2023 12:15			IC4 03222350.D	266041
<u>Analytes</u>	<u>Result</u>		<u>MDL</u>	<u>RL</u>	<u>DF</u>		<u>Date Analyzed</u>
Sulfate	100		1.6	5.0	50		03/22/2023 07:34
<u>Surrogates</u>	<u>REC (%)</u>	<u>Qualifiers</u>	<u>Limits</u>				
Malonate	0	S	90-115				03/22/2023 07:34
<u>Analyst(s):</u> ND			<u>Analytical Comments:</u> c1				



Analytical Report

Client: PG&E Gateway Generating Station

WorkOrder: 2303E80

Date Received: 03/21/2023 14:00

Extraction Method: SM4500-S⁻² D

Date Prepared: 03/23/2023

Analytical Method: SM4500 S⁻² D

Project: Annual Sampling (March 2023)

Unit: mg/L

Total Sulfide - S

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2303E80-001A	Water	03/21/2023 12:15	SPECTROPHOTOMETER2	266221

Analytes	Result	MDL	RL	DF	Date Analyzed
Total Sulfide	ND	0.044	0.10	1	03/23/2023 20:45

Analyst(s): IGC

Quality Control Report

Client:
Date Prepared:
Date Analyzed:
Instrument:
Matrix:
Project:

PG&E Gateway Generating Station
03/21/2023 - 03/22/2023
03/21/2023 - 03/22/2023
IC4
Water
Annual Sampling (March 2023)

WorkOrder:
BatchID:
Extraction Method:
Analytical Method:
Unit:
Sample ID:

2303E80
266041
E300.1
E300.1
mg/L
MB/LCS/LCSD-266041

QC Summary Report for E300.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Sulfate	ND	0.031	0.10	-	-	-
Surrogate Recovery						
Malonate	0.10			0.1	100	90-115
Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	RPD Limit
Sulfate	1.0	1.0	1	102	102	20
Surrogate Recovery						
Malonate	0.10	0.10	0.10	101	101	20

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2303E80
Date Prepared:	03/23/2023	BatchID:	266221
Date Analyzed:	03/23/2023	Extraction Method:	SM4500-S ⁻² D
Instrument:	SPECTROPHOTOMETER2	Analytical Method:	SM4500 S ⁻² D
Matrix:	Water	Unit:	mg/L
Project:	Annual Sampling (March 2023)	Sample ID:	MB/LCS/LCSD-266221 2303E80-001AMS/MSD

QC Summary Report For SM4500 S-2D

Analyte	MB Result	MDL	RL
Total Sulfide	ND	0.044	0.10

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Total Sulfide	0.45	0.46	0.50	91	93	80-120	2.28

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD Limit
Total Sulfide	1	0.23	0.23	0.50	ND	46,F1	46,F1	80-120	0



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2303E80

ClientCode: PGEA

☐ WaterTrax

☐ CLIP

☐ EDF

☐ EQulS

☐ Dry-Weight

☒ Email

☐ HardCopy

☐ ThirdParty

☒ -flag

☒ Detection Summary

☐ Excel

Report to:

Angel Espiritu
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509
(925) 459-7212 FAX:

Email: abe4@pge.com
cc/3rd Party: a1he@pge.com; j5ld@pge.com; t1WY@pg
PO:
Project: Annnual Sampling (March 2023)

Bill to:

Angel Espiritu
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509

Requested TAT: 5 days;

Date Received: **03/21/2023**

Date Logged: **03/21/2023**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2303E80-001	E-001	Water	3/21/2023 12:15	<input type="checkbox"/>	B	A	A									

Test Legend:

1	300_1_W
5	
9	

2	PRDisposal Fee
6	
10	

3	SULFIDE_W
7	
11	

4	
8	
12	

Prepared by: Yvette Gallegos

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Annual Sampling (March 2023)

Work Order: 2303E80

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:
Date Logged: 3/21/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQUIS ☒ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001	Water	SM4500S2D (Total Sulfide)	1	250mL HDPE w/ NaOH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/21/2023 12:15	5 days	3/28/2023	Trace	<input type="checkbox"/>	<input type="checkbox"/>
001B	E-001	Water	E300.1 (Inorganic Anions) <Sulfate>	1	250mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/21/2023 12:15	5 days	3/28/2023	Trace	<input type="checkbox"/>	<input type="checkbox"/>

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.

Page 11 of 12



Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station
Project: Annual Sampling (March 2023)

Date and Time Received: 3/21/2023 14:00

Date Logged: 3/21/2023

Received by: Agustina Venegas

Logged by: Yvette Gallegos

WorkOrder No: 2303E80 Matrix: Water
Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 4°C	NA <input type="checkbox"/>
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
UCMR Samples:		
pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments:



**Pacific Gas and
Electric Company®**

Mailing Address:
Pacific Gas & Electric Company
Gateway Generating Station
3225 Wilbur Ave.
Antioch, CA 94509
(925) 522-7801

July 10, 2023

Mr. Jason Yun
Delta Diablo Sanitation District (DD)
2500 Pittsburg-Antioch Hwy.
Antioch, CA 94509-1373

Reference: Pacific Gas and Electric Company - Gateway Generating Station
DD Industrial Wastewater Discharge Permit
Permit Number: 0208841-C

Subject: Quarterly Self-Monitoring Report
Diablo Industrial Wastewater Discharge Permit Number 0208841-C
(For Period Ending June 30, 2023)

Dear Mr. Yun,

Attached is the Quarterly Self-Monitoring Report (SMR) for Pacific Gas and Electric Company - Gateway Generating Station (GGS) for the period ending June 30, 2023, as required under Delta Diablo Industrial Wastewater Discharge Permit Number 0208841-C.

Included in the report are Certification Statement, Industrial User Compliance Report, Industrial Monitoring Report Summary, Discharge Flow Data, Monthly Flow, WSAC Operating Months Report, Cycles of Concentration, Copy of Laboratory Results, and Annual Flowmeters Calibration.

If you have any questions about this report, please feel free to contact Angel Espiritu at 510-861-1597, or at abe4@pge.com. Thank you.

Sincerely,

Tim Wisdom

Tim Wisdom
Senior Plant Manager

Attachment: a/s

*Received
by
Claudia A
07/13/2023*

Attachment 1
Certification Statement

Pacific Gas and Electric Company
Gateway Generating Station

Quarterly Self-Monitoring Report
For the reporting period ending in June 30, 2023

This report is to comply with the requirement of the Industrial Wastewater Discharge Permit issued by the Delta Diablo Sanitation District (Delta Diablo) to Gateway Generating Station (GGS) under Permit No. 02088441-C with expiration date of February 28, 2023. The permit renewal application was submitted to delta diablo on 11/22/2022.

The report includes the following attachments:

- | | |
|---------------|--------------------------------------|
| Attachment 1: | Certification Statement |
| Attachment 2: | Industrial User Compliance Report |
| Attachment 3: | Industrial Monitoring Report Summary |
| Attachment 4: | Discharge Flow Data |
| Attachment 5: | Monthly Flow Data |
| Attachment 6: | WSAC Operating Hours Report |
| Attachment 7: | Cycles of Concentration |
| Attachment 8: | Laboratory Results |
| Attachment 9: | Annual Flowmeters Calibration |

Certification Statement

Name of Business: PG&E Gateway Generating Station
Address: 3225 Wilbur Avenue, Antioch, CA. 94509
Phone: 925-522-7805
Period Covered: Period ending: June 30, 2023

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Tim Wisdom Date: July 10, 2023
Print Name: Tim Wisdom

Attachment 2
Industrial User Compliance Report

Industrial User Compliance Report Form

Attn: Jason Yun

Fax # (925)756-1961

From: Tim Wisdom

Company: Pacific Gas and Electric Company – Gateway Generating Station

Period Covered: Period ending June 30, 2023

Pretreatment

Phone: (925)756-1929

Industrial User Checklist for self –monitoring reports, as specified by the wastewater discharge permit issued by Delta Diablo:

Self-monitoring reports

- ☒ Flow discharge summary (Discharge Permit Section E.1.h.) (See Attachment 4)
- ☒ Calibration of flow meters, as required. (Section E.1.g.)) (See Attachment 9)
- ☒ Monitoring results- All required tests completed, results reviewed, results included, QA/QC, chain of custody (section F.7.) (See Attachment 8)
- ☒ Certification statement included (See Attachment 1)

Violations (if applicable)

- ☐ All wastewater discharge exceedance are reported during this reporting period
- ☐ Delta Diablo was contacted. (See Additional Notes below)
- ☐ A follow-up report on characterization re-sampling was submitted
- ☐ Corrective actions to resolve violation
- ☐ Other violations - i.e. Reporting, spills to sewer, or prohibited discharges

Additional Notes:

Significant changes

Anticipated changes that may alter the nature, quality, or volume of the wastewater discharged. Planned changes shall be submitted at least 90-days prior to implementation and shall include a detailed description of this change. (None)

Attachment 3
Industrial Monitoring Report Summary

INDUSTRIAL MONITORING REPORT SUMMARY (Combined Site Flow: FAC - Control Manhole Local Limits: E-001)

IU NAME : PG&E Gateway Generating Station
 ADDRESS: 3225 Wilbur Avenue
 CITY : Antioch

ID #: 0208841-C
 TYPE: Power Generation Plant

SIC: 4911

DATE	6/20/2023	6/20/2023	6/21/2023					
TYPE	G	G	C24					
STATION	E-001	E-001	E-001					
SMP.BY	Muskan	Muskan	Muskan					
PURPOSE	Compliance Quarterly (Q2)	Compliance Quarterly (Q2)	Compliance Quarterly (Q2)					

Units: mg/L

PARAMETERS

LIMITS

FLOW, DAILY (gal)	51,120							
FLOW, MONTH (gal)								
pH	6-10 s.u.	8.94						
BOD				ND(<2.0)				
COD				12.0				
TDS				198.0				
TSS				2.8				
Arsenic	0.15			0.00067				
Cadmium	0.1			ND(<0.00005)				
Chromium	0.5			ND(<0.00026)				
Copper	0.5			0.0022				
Iron				0.056				
Lead	0.5			ND(<0.00019)				
Mercury	0.003			ND(<0.00013)				
Molybdenum				0.023				
Nickel	0.5			0.00078				
Selenium	0.25			0.00024				
Silver	0.2			ND(<0.000051)				
Zinc	1.00			0.240				
Cyanide	0.2		0.001					
Phenol	1.00		ND(<0.0014)					
Ammonia	200		ND(<0.095)					
O&G Petro/Min (E1664A w/ Silica)	100	ND(<1.5)	ND(<1.4)					
O&G Animal/Vegetable Oil	300	ND(<0.93)	ND(<0.87)					
TTO EPA 608								
TTO EPA 624								
TTO EPA 625								
TTO	2.00							
Sulfide								
Sulfate								

Comments: ND = Non-Detect, NSD = No Structures Detected, MFL = Millions of Fibers per Liter

In accordance with Footnote 2 of the table located in Section (D)(1) of the permit, PG&E is reporting the Oil & Grease (O&G) as follows: Petroleum/Mineral includes the silica gel (i.e. SGT-HEM) and Animal/Vegetable does not include silica gel

Attachment 4
Discharge Flow Data

PG&E Gateway Generating Station

Discharge Flow Data

April 2023-June 2023

Date	Industrial Flow				Sanitary Flow				Site Total (Gallons)
	Instantaneous Flow (GPM)	Time Over 35.5 GPM (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	Instantaneous Flow (GPM)	Time Meter went Bad Quality (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	
4/1/2023	34.5	0.0	NO	35,292	0.0	0	NO		35,292
4/2/2023	34.3	0.0	NO	16,315	23.2	0	NO	370	16,686
4/3/2023	34.5	0.0	NO	39,575	0.0	0	NO		39,575
4/4/2023	35.0	0.0	NO	22,190	25.3	0	NO	338	22,528
4/5/2023	34.8	0.0	NO	35,501	0.0	0	NO		35,501
4/6/2023	34.7	0.0	NO	29,998	23.7	0	NO	366	30,364
4/7/2023	34.5	0.0	NO	27,389	25.0	0	NO	386	27,774
4/8/2023	34.9	1.0	NO	9,996	0.0	2	NO		9,996
4/9/2023	34.8	0.0	NO	28,734	0.0	0	NO		28,734
4/10/2023	34.5	0.0	NO	20,798	0.0	0	NO		20,798
4/11/2023	34.7	0.0	NO	12,080	24.9	0	NO	371	12,451
4/12/2023	34.6	0.0	NO	22,152	0.1	0	NO		22,152
4/13/2023	35.0	0.0	NO	14,107	24.7	0	NO	374	14,481
4/14/2023	34.8	0.0	NO	29,385	0.1	0	NO		29,385
4/15/2023	34.8	0.0	NO	20,618	0.0	0	NO		20,618
4/16/2023	34.7	0.0	NO	12,870	0.0	0	NO		12,870
4/17/2023	34.5	0.0	NO	17,452	25.9	0	NO	389	17,841
4/18/2023	5.0	0.0	NO	-	0.0	0	NO		-
4/19/2023	-0.5	0.0	NO	-	0.0	0	NO		-
4/20/2023	34.6	0.0	NO	45,640	24.4	0	NO	715	46,356
4/21/2023	34.3	0.0	NO	31,957	0.0	0	NO		31,957
4/22/2023	34.8	0.0	NO	38,047	27.1	0	NO	359	38,406
4/23/2023	34.6	0.0	NO	32,359	0.1	0	NO		32,359
4/24/2023	34.8	0.0	NO	35,803	0.0	0	NO		35,803
4/25/2023	34.5	0.0	NO	27,391	26.0	0	NO	392	27,783
4/26/2023	34.4	0.0	NO	49,008	0.0	0	NO		49,008
4/27/2023	34.6	0.0	NO	10,155	25.9	0	NO	392	10,547
4/28/2023	34.6	0.0	NO	25,923	0.0	0	NO		25,923
4/29/2023	34.8	0.0	NO	27,465	0.0	0	NO		27,465
4/30/2023	34.9	0.0	NO	35,096	26.2	0	NO	380	35,476
Max Daily Flow (Limit: 51,120):									49,008
Monthly Total:									758,130
5/1/2023	34.7	0.0	NO	49,009	0.0	0	NO		49,009
5/2/2023	34.6	0.0	NO	42,030	27.1	0	NO	376	42,406
5/3/2023	34.6	3.0	NO	8,651	0.0	3	NO		8,651
5/4/2023	34.4	0.0	NO	26,090	26.4	0	NO	373	26,463
5/5/2023	-0.6	0.0	NO		0.0	0	NO		-
5/6/2023	-0.6	0.0	NO		26.8	0	NO	378	378
5/7/2023	-0.6	0.0	NO		0.0	0	NO		-
5/8/2023	34.6	1.0	NO	6,280	26.3	2	NO	379	6,658
5/9/2023	-0.5	0.0	NO		0.1	0	NO		-
5/10/2023	-0.5	0.0	NO		27.2	0	NO		-
5/11/2023	34.5	0.0	NO	2,573	0.0	0	NO		2,573
5/12/2023	-0.5	0.0	NO		26.8	0	NO	379	379
5/13/2023	-0.5	0.0	NO		0.0	0	NO		-
5/14/2023	-0.5	0.0	NO		26.8	0	NO	360	360
5/15/2023	-0.5	0.0	NO		0.0	0	NO		-
5/16/2023	-0.5	0.0	NO		25.9	0	NO	381	381
5/17/2023	-0.6	0.0	NO		25.6	0	NO	399	399
5/18/2023	-0.5	0.0	NO		0.0	0	NO		-
5/19/2023	-0.6	0*	NO		25.4	0*	NO	395	395
5/20/2023	-0.5	0.0	NO		0.0	0	NO		-
5/21/2023	34.5	0.0	NO	6,448	0.0	0	NO		6,448
5/22/2023	34.0	0.0	NO	12,939	26.5	0	NO	380	13,319

Public

PG&E Gateway Generating Station

Discharge Flow Data

April 2023-June 2023

Date	Industrial Flow				Sanitary Flow				Site Total (Gallons)
	Instantaneous Flow (GPM)	Time Over 35.5 GPM (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	Instantaneous Flow (GPM)	Time Meter went Bad Quality (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	
5/23/2023	-0.7	0.0	NO		26.0	0	NO	394	394
5/24/2023	32.6	0.0	NO	6,371	25.3	0	NO	381	6,752
5/25/2023	32.7	0*	NO	24,772	0.0	0*	NO		24,772
5/26/2023	34.4	0.0	NO	20,210	25.5	0	NO	372	20,581
5/27/2023	34.7	0.0	NO	36,127	0.0	0	NO		36,127
5/28/2023	34.8	0.0	NO	33,227	0.0	0	NO		33,227
5/29/2023	34.5	9.0	NO	22,378	26.9	9	NO	377	22,755
5/30/2023	34.7	0.0	NO	33,030	0.0	0	NO		33,030
5/31/2023	34.8	0*	NO	7,521	26.8	0*	NO	376	7,897

Max Daily Flow (Limit: 51,120): 49,009

Monthly Total: 343,355

6/1/2023	34.7	0.0	NO	6,540	25.9	0	NO	393	6,933
6/2/2023	34.8	0.0	NO	12,349	0.1	0	NO		12,349
6/3/2023	34.7	0.0	NO	16,232	0.0	0	NO		16,232
6/4/2023	34.9	0.0	NO	7,282	0.0	0	NO		7,282
6/5/2023	34.9	0.0	NO	14,291	26.0	0	NO	372	14,663
6/6/2023	34.5	0.0	NO	44,917	0.0	0	NO		44,917
6/7/2023	34.5	0.0	NO	48,626	26.1	0	NO	366	48,992
6/8/2023	34.5	1.0	NO	37,467	0.0	2	NO		37,467
6/9/2023	34.9	0.0	NO	6,257	0.0	0	NO		6,257
6/10/2023	34.5	0.0	NO	6,610	26.2	0	NO		6,610
6/11/2023	34.5	0.0	NO	6,282	0.0	0	NO		6,282
6/12/2023	34.8	0.0	NO	19,681	0.0	0	NO		19,681
6/13/2023	34.7	0.0	NO	48,606	24.4	0	NO	379	48,985
6/14/2023	34.4	0.0	NO	49,031	0.0	0	NO		49,031
6/15/2023	34.5	0.0	NO	48,608	26.0	0	NO	388	48,996
6/16/2023	34.4	0.0	NO	22,855	0.0	0	NO		22,855
6/17/2023	-0.5	0.0	NO		0.0	0	NO		-
6/18/2023	34.3	0.0	NO	16,020	0.0	0	NO		16,020
6/19/2023	34.2	0.0	NO	11,265	26.7	0	NO	364	11,629
6/20/2023	29.5	0.0	NO	25,496	0.0	0	NO		25,496
6/21/2023	34.5	7.0	NO	38,446	0.0	0	NO		38,446
6/22/2023	34.8	0.0	NO	9,524	25.9	0	NO	654	10,178
6/23/2023	36.2	0.0	NO	23,915	0.0	0	NO		23,915
6/24/2023	35.0	0.0	NO	11,628	0.0	0	NO		11,628
6/25/2023	34.8	0.0	NO	12,624	0.0	0	NO		12,624
6/26/2023	35.0	0.0	NO	17,016	26.3	0	NO	363	17,380
6/27/2023	34.9	0.0	NO	14,111	0.0	0	NO		14,111
6/28/2023	35.0	0.0	NO	17,780	26.5	0	NO	338	18,118
6/29/2023	34.7	0.0	NO	24,271	0.0	0	NO		24,271
6/30/2023	34.4	0.0	NO	22,825	0.0	0	NO		22,825

Max Daily Flow (Limit: 51,120): 49,031

Monthly Total: 644,171

Notes:

1. On 5/19/2023, 26 minutes of historian data were missing due to maintenance work on historian. No wastewater flow at this time per DCS.
2. On 5/25/2023, 373 minutes of historian data were missing due to unplanned plant power outage during plant power swap. Per power swap procedure, wastewater flow was isolated so no water was discharged.
3. On 5/31/2023, 30 minutes of historian data were missing due to maintenance work on historian. No wastewater flow at this time per DCS.

Attachment 5
Monthly Flow Data

Industrial Flow Reporting Form for Delta Diablo

SIU Name: **PG&E Gateway Generating Station**

Address: 3225 Wilbur Avenue, Antioch, CA 94509

City: Antioch

Contact Name: Tim Wisdom

Flow Meter: Sewer Final Effluent _____ City Water Meter _____

(The data are based on flowmeter readings as recorded by the plant's "Pi Historian" data acquisition/handling system)

Year: **2023**

Month	Flow (gallons)	Due Date
January		
February		
March		
April	758,130	7/15/2023
May	343,355	7/15/2023
June	644,171	7/15/2023
July		
August		
September		
October		
November		
December		

Note:

1) Flow data is based on the sewer final effluent flow meter or the City water meter if no effluent flow meter is at the industrial facility.

2) The flow data documentation shall continue to be submitted in the regularly scheduled self-monitoring reports.

Attachment 6
WSAC Operating Hours Report

WSAC Operating Hours Report

April 2023 - June 2023

WSAC Operation	
Month	
January-23	
February-23	
March-23	
April-23	28.83 See note #1 below)
May-23	10.00 (See note #2 below)
June-23	90.09
July-23	
August-23	
September-23	
October-23	
November-23	
December-23	

Notes:

- 1. WSAC operation in April 2023 was offline (discharge) operation, no resultant blowdown to the Tiger Pit, and that the WSAC basin water was trucked offsite for proper disposal.*
- 2. WSAC operation in May 2023 was offline (discharge) operation, no resultant blowdown to the Tiger Pit. Loss of data has a potential run range from 10 hours to 89 hours. The additional hours are not during a time period, temperature, that the WSAC would be in service.*

Attachment 7
Cycles of Concentration

PG&E Gateway Generating Station

WSAC Average Daily Blowdown Cycles Report
April 2023 - June 2023

WSAC Operation	
Month	Average Daily Blowdown Cycles
January-23	
February-23	
March-23	
April-23	See note #1 below)
May-23	2.47 (See note #2 below)
June-23	3.88
July-23	
August-23	
September-23	
October-23	
November-23	
December-23	

Average Daily Blowdown Cycles calculated using the ratio of specific conductivities between the three WSAC basins (average) relative to the makeup water.

Notes:

- 1. WSAC operation in April 2023 was offline (discharge) operation, no resultant blowdown to the Tiger Pit, and that the WSAC basin water was trucked offsite for proper disposal.*
- 2. WSAC operation in May 2023 was offline (discharge) operation, no resultant blowdown to the Tiger Pit. Loss of data has a potential run range from 10 hours to 89 hours. The additional hours are not during a time period, temperature, that the WSAC would be in service.*

Attachment 8
Laboratory Results
Monitoring of Combined Site Stream
(E-001)

Attachment 8a
Laboratory Results
Quarterly Monitoring of Combined Site Stream
(E-001)



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2306F66

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Angel Espiritu

Project P.O.:

Project: Q2 2023 Quarterly Monitoring

Project Received: 06/21/2023

Analytical Report reviewed & approved for release on 06/28/2023 by:

Jena Alfaro

Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.





Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2306F66

Project: Q2 2023 Quarterly Monitoring

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit ¹
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting limit ²
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure

¹ MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 82.1-R-16-006, December 2016.

² RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.)



Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2306F66

Project: Q2 2023 Quarterly Monitoring

TEQ Toxicity Equivalents

TZA TimeZone Net Adjustment for sample collected outside of MAI's UTC.

WET (STLC) Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

J Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/21/2023 10:45
Date Prepared: 06/21/2023
Project: Q2 2023 Quarterly Monitoring

WorkOrder: 2306F66
Extraction Method: E1664A_SG
Analytical Method: E1664A
Unit: mg/L

Hexane Extractable Material (HEM; Oil & Grease) with Silica Gel Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2306F66-001B	Water	06/20/2023 09:20	O&G	272095

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
SGT-HEM	ND	1.5	5.2	1	06/22/2023 14:45

Analyst(s): HN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2306F66-002B	Water	06/21/2023 09:35	O&G	272095

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
SGT-HEM	ND	1.4	4.8	1	06/22/2023 14:50

Analyst(s): HN



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/21/2023 10:45
Date Prepared: 06/22/2023
Project: Q2 2023 Quarterly Monitoring

WorkOrder: 2306F66
Extraction Method: E1664A
Analytical Method: E1664A
Unit: mg/L

Hexane Extractable Material (HEM; Oil & Grease) without Silica Gel Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2306F66-001A	Water	06/20/2023 09:20	O&G	272203

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
HEM	ND	0.93	5.1	1	06/22/2023 14:30

Analyst(s): HN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2306F66-002A	Water	06/21/2023 09:35	O&G	272203

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
HEM	ND	0.87	4.8	1	06/22/2023 14:35

Analyst(s): HN



Analytical Report

Client: PG&E Gateway Generating Station

WorkOrder: 2306F66

Date Received: 06/21/2023 10:45

Extraction Method: SM4500-NH3 BG

Date Prepared: 06/21/2023

Analytical Method: SM4500-NH3 BG

Project: Q2 2023 Quarterly Monitoring

Unit: mg/L

Ammonia as N

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2306F66-002C	Water	06/21/2023 09:35	WC_SKALAR 230621A1_43	272113
<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Ammonia, total as N	ND	0.095	0.10	1	06/21/2023 14:02

Analyst(s): IGC



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/21/2023 10:45
Date Prepared: 06/21/2023
Project: Q2 2023 Quarterly Monitoring

WorkOrder: 2306F66
Extraction Method: SM5210B
Analytical Method: SM5210 B
Unit: mg/L

Biochemical Oxygen Demand (BOD)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2306F66-003A	Water	06/21/2023 09:30	WetChem	272116
<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
BOD	ND	2.0	2.0	1.02	06/26/2023 13:19

Analyst(s): JRA



Analytical Report

Client: PG&E Gateway Generating Station

WorkOrder: 2306F66

Date Received: 06/21/2023 10:45

Extraction Method: SM4500-CN⁻ E

Date Prepared: 06/22/2023

Analytical Method: SM4500-CN⁻ CE

Project: Q2 2023 Quarterly Monitoring

Unit: µg/L

Cyanide, Total

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2306F66-002D	Water	06/21/2023 09:35	WC_Skalar3 230622A0_24	272205
<u>Analytes</u>		<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>
Total Cyanide		1.0	0.59	1.0	1
					<u>Date Analyzed</u>
					06/22/2023 10:57

Analyst(s): CC



Analytical Report

Client: PG&E Gateway Generating Station

WorkOrder: 2306F66

Date Received: 06/21/2023 10:45

Extraction Method: SM5220 D

Date Prepared: 06/23/2023

Analytical Method: SM5220 D-1997

Project: Q2 2023 Quarterly Monitoring

Unit: mg/L

Chemical Oxygen Demand (COD) as mg O₂/L

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2306F66-003B	Water	06/21/2023 09:30	SPECTROPHOTOMETER2	272247
<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
COD	12	8.2	10	1	06/23/2023 10:38

Analyst(s): IGC



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/21/2023 10:45
Date Prepared: 06/21/2023
Project: Q2 2023 Quarterly Monitoring

WorkOrder: 2306F66
Extraction Method: E245.2
Analytical Method: E245.2
Unit: µg/L

Mercury by Cold Vapor Atomic Absorption

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2306F66-003E	Water	06/21/2023 09:30	AA1 _19	272049
<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	ND	0.13	0.20	1	06/22/2023 16:55

Analyst(s): DMA



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/21/2023 10:45
Date Prepared: 06/21/2023
Project: Q2 2023 Quarterly Monitoring

WorkOrder: 2306F66
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Metals

Client ID	Lab ID	Matrix	Date Collected			Instrument	Batch ID
E-001 Comp	2306F66-003F	Water	06/21/2023 09:30			ICP-MS4 247SMPL.d	272071
Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed	
Arsenic	0.67		0.071	0.50	1	06/21/2023 22:59	
Cadmium	ND		0.050	0.50	1	06/21/2023 22:59	
Chromium	ND		0.26	0.50	1	06/21/2023 22:59	
Copper	2.2		0.63	1.5	1	06/21/2023 22:59	
Iron	56		22	50	1	06/21/2023 22:59	
Lead	ND		0.19	0.50	1	06/21/2023 22:59	
Molybdenum	23		0.14	0.50	1	06/21/2023 22:59	
Nickel	0.78		0.33	0.50	1	06/21/2023 22:59	
Selenium	0.24	J	0.18	0.50	1	06/21/2023 22:59	
Silver	ND		0.051	0.50	1	06/21/2023 22:59	
Zinc	240		11	20	1	06/21/2023 22:59	
Surrogates	REC (%)		Limits				
Terbium	101		70-130			06/21/2023 22:59	
Analyst(s):	WV						



Analytical Report

Client: PG&E Gateway Generating Station

WorkOrder: 2306F66

Date Received: 06/21/2023 10:45

Extraction Method: E420.4

Date Prepared: 06/23/2023

Analytical Method: E420.4

Project: Q2 2023 Quarterly Monitoring

Unit: µg/L

Phenolics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2306F66-002C	Water	06/21/2023 09:35	WC_SKALAR 230623b1_24	272326

Analytes	Result	MDL	RL	DF	Date Analyzed
Phenolics	ND	1.4	2.0	1	06/23/2023 14:06

Analyst(s): CC



Analytical Report

Client: PG&E Gateway Generating Station

WorkOrder: 2306F66

Date Received: 06/21/2023 10:45

Extraction Method: SM2540 C- 1997

Date Prepared: 06/21/2023

Analytical Method: SM2540 C

Project: Q2 2023 Quarterly Monitoring

Unit: mg/L

Total Dissolved Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2306F66-003C	Water	06/21/2023 09:30	WetChem	272124
<u>Analytes</u>		<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>
Total Dissolved Solids		198	10.0	10.0	1
					<u>Date Analyzed</u>
					06/22/2023 17:00

Analyst(s): JME



Analytical Report

Client: PG&E Gateway Generating Station

WorkOrder: 2306F66

Date Received: 06/21/2023 10:45

Extraction Method: SM2540 D-1997

Date Prepared: 06/21/2023

Analytical Method: SM2540 D

Project: Q2 2023 Quarterly Monitoring

Unit: mg/L

Total Suspended Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2306F66-003D	Water	06/21/2023 09:30	WetChem	272155
<u>Analytes</u>		<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>
Total Suspended Solids		2.80	2.00	2.00	2
					<u>Date Analyzed</u>
					06/21/2023 20:05

Analyst(s): JME

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2306F66
Date Prepared:	06/21/2023	BatchID:	272095
Date Analyzed:	06/21/2023	Extraction Method:	E1664A_SG
Instrument:	O&G	Analytical Method:	E1664A
Matrix:	Water	Unit:	mg/L
Project:	Q2 2023 Quarterly Monitoring	Sample ID:	MB/LCS/LCSD-272095

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL
SGT-HEM	ND	1.5	5.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
SGT-HEM	8.4	8.8	10.42	81	84	64-132	4.21	30

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

06/22/2023

Date Analyzed:

06/22/2023

Instrument:

O&G

Matrix:

Water

Project:

Q2 2023 Quarterly Monitoring

WorkOrder:

2306F66

BatchID:

272203

Extraction Method:

E1664A

Analytical Method:

E1664A

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-272203

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL
HEM	ND	0.91	5.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
HEM	18	18	20.83	88	85	78-114	3.41	30

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

06/21/2023

Date Analyzed:

06/21/2023

Instrument:

WC_SKALAR

Matrix:

Water

Project:

Q2 2023 Quarterly Monitoring

WorkOrder:

2306F66

BatchID:

272113

Extraction Method:

SM4500-NH3 BG

Analytical Method:

SM4500-NH3 BG

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-272113

QC Summary Report for SM4500-NH3

Analyte	MB Result	MDL	RL
Ammonia, total as N	ND	0.095	0.10

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Ammonia, total as N	3.8	4.0	4	96	99	88-113	2.93
							20

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

06/21/2023

Date Analyzed:

06/26/2023

Instrument:

WetChem

Matrix:

Water

Project:

Q2 2023 Quarterly Monitoring

WorkOrder:

2306F66

BatchID:

272116

Extraction Method:

SM5210B

Analytical Method:

SM5210 B

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-272116

QC Summary Report for BOD

Analyte	MB Result	MDL	RL
BOD	ND	2.0	2.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
BOD	210	210	198	106	106	80-120	0	16

Quality Control Report

Client: PG&E Gateway Generating Station

Date Prepared: 06/22/2023

Date Analyzed: 06/22/2023

Instrument: WC_Skalar3

Matrix: Water

Project: Q2 2023 Quarterly Monitoring

WorkOrder: 2306F66

BatchID: 272205

Extraction Method: SM4500-CN⁻ E

Analytical Method: SM4500-CN⁻ CE

Unit: µg/L

Sample ID: MB/LCS/LCSD-272205

QC Summary Report for SM4500-CN⁻ CE

Analyte	MB Result	MDL	RL
Total Cyanide	ND	0.59	1.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Total Cyanide	48	49	50	95	98	90-110	20

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2306F66
Date Prepared:	06/23/2023	BatchID:	272247
Date Analyzed:	06/23/2023	Extraction Method:	SM5220 D
Instrument:	SPECTROPHOTOMETER2	Analytical Method:	SM5220 D-1997
Matrix:	Water	Unit:	mg/L
Project:	Q2 2023 Quarterly Monitoring	Sample ID:	MB/LCS/LCSD-272247 2306F66-003BMS/MSD

QC Summary Report for COD

Analyte	MB Result	MDL	RL
COD	ND	8.2	10

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
COD	100	100	100	100	100	90-110	0
							20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD Limit
COD	1	110	110	100	12.00	98	96	80-120	1.83
									20

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2306F66
Date Prepared:	06/21/2023	BatchID:	272049
Date Analyzed:	06/22/2023	Extraction Method:	E245.2
Instrument:	AA1	Analytical Method:	E245.2
Matrix:	Water	Unit:	µg/L
Project:	Q2 2023 Quarterly Monitoring	Sample ID:	MB/LCS/LCSD-272049

QC Summary Report for Mercury

Analyte	MB Result	MDL	RL
Mercury	ND	0.13	0.20

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Mercury	1.9	1.9	2	96	94	85-115	2.10
							20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 06/21/2023
Date Analyzed: 06/21/2023 - 06/22/2023
Instrument: ICP-MS6
Matrix: Water
Project: Q2 2023 Quarterly Monitoring

WorkOrder: 2306F66
BatchID: 272071
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L
Sample ID: MB/LCS/LCSD-272071

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.071	0.50	-	-	-
Cadmium	ND	0.050	0.50	-	-	-
Chromium	ND	0.26	0.50	-	-	-
Copper	ND	0.63	1.5	-	-	-
Iron	ND	22	50	-	-	-
Lead	ND	0.19	0.50	-	-	-
Molybdenum	ND	0.14	0.50	-	-	-
Nickel	ND	0.33	0.50	-	-	-
Selenium	ND	0.18	0.50	-	-	-
Silver	ND	0.051	0.50	-	-	-
Zinc	ND	11	20	-	-	-
Surrogate Recovery						
Terbium	530			500	106	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Arsenic	52	51	50	104	102	85-115	2.45
Cadmium	52	51	50	104	101	85-115	3.02
Chromium	52	51	50	104	101	85-115	2.64
Copper	52	51	50	104	101	85-115	2.09
Iron	5100	5000	5000	103	99	85-115	3.60
Lead	51	49	50	101	99	85-115	2.50
Molybdenum	51	48	50	103	97	85-115	6.07
Nickel	51	50	50	102	100	85-115	2.28
Selenium	53	51	50	106	102	85-115	3.80
Silver	52	50	50	104	99	85-115	4.99
Zinc	520	510	500	105	103	85-115	2.38
Surrogate Recovery							
Terbium	530	500	500	105	100	70-130	5.41
							20

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2306F66
Date Prepared:	06/23/2023	BatchID:	272326
Date Analyzed:	06/23/2023	Extraction Method:	E420.4
Instrument:	WC_SKALAR	Analytical Method:	E420.4
Matrix:	Water	Unit:	µg/L
Project:	Q2 2023 Quarterly Monitoring	Sample ID:	MB/LCS/LCSD-272326

QC Summary Report for E420.4

Analyte	MB Result	MDL	RL
Phenolics	ND	1.4	2.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Phenolics	36	35	40	89	88	80-120	1.54
							20

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

06/21/2023

Date Analyzed:

06/22/2023

Instrument:

WetChem

Matrix:

Water

Project:

Q2 2023 Quarterly Monitoring

WorkOrder:

2306F66

BatchID:

272124

Extraction Method:

SM2540 C-1997

Analytical Method:

SM2540 C

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-272124

QC Summary Report for Total Dissolved Solids

Analyte	MB Result	MDL	RL
Total Dissolved Solids	ND	10.0	10.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Total Dissolved Solids	972	988	1000	97	99	80-120	1.63

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

06/21/2023

Date Analyzed:

06/21/2023

Instrument:

WetChem

Matrix:

Water

Project:

Q2 2023 Quarterly Monitoring

WorkOrder:

2306F66

BatchID:

272155

Extraction Method:

SM2540 D-1997

Analytical Method:

SM2540 D

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-272155

QC Summary Report for Total Suspended Solids

Analyte	MB Result	MDL	RL
Total Suspended Solids	ND	1.00	1.00

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Total Suspended Solids	97.0	92.0	100	97	92	80-120	10

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2306F66

ClientCode: PGEA

☐ WaterTrax

☐ CLIP

☐ EDF

☐ EQuIS

☐ Dry-Weight

☒ Email

☐ HardCopy

☐ ThirdParty

☒ J-flag

☐ Detection Summary

☐ Excel

Report to:

Angel Espiritu
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509
(925) 459-7212 FAX:

Email: abe4@pge.com
cc/3rd Party: T1WY@pge.com; MSFG@pge.com;
PO:
Project: Q2 2023 Quarterly Monitoring

Bill to:

Angel Espiritu
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509

Requested TATs:

1 day;
5 days;

Date Received: 06/21/2023

Date Logged: 06/21/2023

Lab ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2306F66-001	E-001 Grab	Water	6/20/2023 09:20	<input type="checkbox"/>	B	A								A		
2306F66-002	E-001 Grab	Water	6/21/2023 09:35	<input type="checkbox"/>	B	A	C		D				C	A		
2306F66-003	E-001 Comp	Water	6/21/2023 09:30	<input type="checkbox"/>				A		B	E	F		A	C	D

Test Legend:

1	1664A_SG_W
5	CN_SM4500CE_W
9	PHENOLICS_W

2	1664A_W
6	COD_W
10	PRDisposal Fee

3	AMMONIA-SM4500BG_W
7	HG_W
11	TDS_W

4	BOD_W
8	METALSMS_TTLC_W
12	TSS_W

Prepared by: Adrianna Cardoza

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Q2 2023 Quarterly Monitoring

Work Order: 2306F66

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 6/21/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQUIS ☒ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001 Grab	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/20/2023 9:20	1 day	6/22/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
001B	E-001 Grab	Water	E1664A (SGT- HEM; Non-polar Material)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/20/2023 9:20	1 day	6/22/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
002A	E-001 Grab	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/21/2023 9:35	1 day	6/22/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
002B	E-001 Grab	Water	E1664A (SGT- HEM; Non-polar Material)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/21/2023 9:35	1 day	6/22/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
002C	E-001 Grab	Water	E420.4 (Phenolics)	1	500mL aG w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/21/2023 9:35	1 day	6/22/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
			SM4500-NH3 BG (Ammonia Nitrogen)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		1 day	6/22/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
002D	E-001 Grab	Water	SM4500-CN ⁻ CE (Cyanide, Total)	1	250mL aHDPE w/ NaOH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/21/2023 9:35	1 day	6/22/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
003A	E-001 Comp	Water	SM5210B (BOD)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/21/2023 9:30	5 days	6/28/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
003B	E-001 Comp	Water	SM5220D (COD)	2	aVOA w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/21/2023 9:30	1 day	6/22/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
003C	E-001 Comp	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/21/2023 9:30	1 day	6/22/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
003D	E-001 Comp	Water	SM2540D (TSS)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/21/2023 9:30	1 day	6/22/2023	None	<input type="checkbox"/>	<input type="checkbox"/>

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Q2 2023 Quarterly Monitoring

Work Order: 2306F66

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:
Date Logged: 6/21/2023

☐ WaterTrax
☐ CLIP
☐ EDF
☐ Excel
☐ EQUIS
☒ Email
☐ HardCopy
☐ ThirdParty
☒ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
003E	E-001 Comp	Water	E245.2 (Mercury)	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/21/2023 9:30	1 day	6/22/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
003F	E-001 Comp	Water	E200.8 (Metals) <Arsenic, Cadmium, Chromium, Copper, Iron, Lead, Molybdenum, Nickel, Selenium, Silver, Zinc>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/21/2023 9:30	1 day	6/22/2023	None	<input type="checkbox"/>	<input type="checkbox"/>

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.

2306F66








1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701

Website: www.mccampbell.com **Email:** main@mccampbell.com
Telephone: (877) 252-9262 **Fax:** (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

RUSH 24 HR 48 HR 72 HR 5 DAY

GeoTracker EDF ☐ PDF ☐ Excel ☐ Write On (DW) ☐

☒ Check if sample is effluent and "J" flag is required

Report To: Angel Espiritu

Bill To: PG&E Gateway

Analysis Request

Remarks

Company: PG&E Gateway Generating Station

E-Mail: ABE4@pge.com, T1WY@pge.com, MSFG@pge.com

Tel: (925) 522-7838, (510) 861-1597 (Cell) Fax: ()

Project Name: Q2 2023 Quarterly Monitoring

Project Location: Combined Site Flow

Sampler Signature: Muskan Environmental Sampling

SAMPLE ID	LOCATION / Field Point Name	Sample Type Composite / Grab	SAMPLING		# Containers	Type Containers	Matrix		METHOD PRESERVED							Cyanide/sodium preservative ABCE	Metals (by 200.8g Selenium)	Oil/Grease and with	Total Phos	Ammonia	Mercury	Metals (2 copper, 6 Molybdenum)	BOD (5M)	COD (5M)	TDS (5M)	TSS (5M)
			Date	Time			Waste Water	Sewer Water	None	ICE	H ₂ SO ₄	NaOH	HCL	HNO ₃	Other											
E-001		G	6/20/23	09:20	2	1L Amb	X		X		X					X										
E-001		G	6/21/23	09:35	2	1L Amb	X		X		X					X										
E-001		G	6/21/23	09:35	1	500ml Amb	X		X	X							X	X								
E-001		G	6/21/23	09:35	1	250-ml Poly	X		X		X			X												
E-001		C	6/21/23	09:30	1	1L Poly	X		X	X											X					
E-001		C	6/21/23	09:30	2	43-ml VOA	X			X	X											X				
E-001		C	6/21/23	09:30	1	500-ml poly	X		X	X													X			
E-001		C	6/21/23	09:30	1	1L poly	X		X	X														X		
E-001		C	6/21/23	09:30	1	250-ml Poly	X			X				X				X								
E-001		C	6/21/23	09:30	1	250-ml poly	X			X				X		X					X					

Relinquished By:

Date:

Time:

Received By:

ICE/t⁹

COMMENTS:

Relinquished By:

Date:

Time:

Received By:

GOOD CONDITION _____
HEAD SPACE ABSENT _____
DECHLORINATED IN LAB _____
APPROPRIATE CONTAINERS _____
PRESERVED IN LAB _____

Relinquished By:

Date: _____

Time:

Received By:

VOAS	O&G	METALS	OTHER
100%	100%	100%	100%



Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station
Project: Q2 2023 Quarterly Monitoring

Date and Time Received: 6/21/2023 10:45
Date Logged: 6/21/2023
Received by: Agustina Venegas
Logged by: Adrianna Cardoza

WorkOrder No: 2306F66 Matrix: Water
Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

NA ☒

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

NA ☒

NA ☐

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

NA ☐

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 2.1°C	NA <input type="checkbox"/>
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

NA ☐

NA ☒

NA ☐

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

NA ☒

NA ☒

Comments:

Attachment 8b
Laboratory Results
Quarterly Monitoring of Combined Site Stream (E-001)
pH Report



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2306F77

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Sanjiv Gill

Project P.O.:

Project: pH Sampling (June 2023)

Project Received: 06/21/2023

Analytical Report reviewed & approved for release on 06/22/2023 by:

Susan Thompson
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.





Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2306F77

Project: pH Sampling (June 2023)

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit ¹
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting limit ²
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure

¹ MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016.

² RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.)



Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2306F77

Project: pH Sampling (June 2023)

TEQ Toxicity Equivalents

TZA TimeZone Net Adjustment for sample collected outside of MAI's UTC.

WET (STLC) Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

H Sample was analyzed out of hold time



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
<http://www.mcccampbell.com> / E-mail: main@mcccampbell.com

Analytical Report

Client: PG&E Gateway Generating Station

Date Received: 06/21/2023 10:45

Date Prepared: 06/22/2023

Project: pH Sampling (June 2023)

WorkOrder: 2306F77

Extraction Method: SM4500H+B-2000

Analytical Method: SM4500H+B

Unit: pH units

pH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2306F77-001A	Water	06/20/2023 09:25	WetChem	272239

Analytes	Result	Qualifiers	Accuracy	DF	Date Analyzed
pH	8.94	H	±0.05	1	06/22/2023 09:26

Analyst(s): JME



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 06/22/2023
Date Analyzed: 06/22/2023
Instrument: WetChem
Matrix: Water
Project: pH Sampling (June 2023)

WorkOrder: 2306F77
BatchID: 272239
Extraction Method: SM4500H+B-2000
Analytical Method: SM4500H+B
Unit: pH units
Sample ID: CCV-272239

QC Summary Report for pH

Analyte	CCV Result	CCV Limits
pH	7.00	6.9-7.1

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

☐ WaterTrax ☐ CLIP ☐ EDF

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2306F77

ClientCode: PGEA

☐ EQuIS ☐ Dry-Weight ☒ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag
☐ Detection Summary ☐ Excel

Report to:

Sanjiv Gill
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509
(925) 459-7212 FAX:

Email: sanjivgill@comcast.net
cc/3rd Party:
PO:
Project: pH Sampling (June 2023)

Bill to:

Angel Espiritu
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509

Requested TAT: 1 day;

Date Received: 06/21/2023

Date Logged: 06/21/2023

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2306F77-001	E-001	Water	6/20/2023 09:25	<input type="checkbox"/>	A	A										

Test Legend:

1	PH_W_SANJIV
5	
9	

2	PRDisposal Fee
6	
10	

3	
7	
11	

4	
8	
12	

Prepared by: Valerie Alfaro

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: pH Sampling (June 2023)

Work Order: 2306F77

Client Contact: Sanjiv Gill

QC Level: LEVEL 2

Contact's Email: sanjivgill@comcast.net

Comments:
Date Logged: 6/21/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQUIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001	Water	SM4500H+B (Field pH)	0	<NOT RECEIVED>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/20/2023 9:25	1 day	6/22/2023		<input type="checkbox"/>	<input type="checkbox"/>

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.

Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

RUSH 24 HR 48 HR 72 HR 96 HR

GeoTracker EDF **PDF** **Excel** **Write On (DW)**

☐ Check if sample is effluent and "J" flag is required

Report To: Sanjiv GMA

BH To: Muskan Environmental

Company: PG&E Gateway Generating Station

E-Mail: sanjiv11@comcast.net

Tel: (408) 666-4494 (Cell)

Fax: ()

Project Name: pH Sampling (June 2023)

Project Location: PG&E GGS Antioch – E-001

Sampler Signature: Muskan Environmental Sample

[illegible]

Logbook for Field pH Samples

[illegible]

Meter: Myron L Company
Ultra-Meter II
Serial # 6222066
pH on COC 6/20/23

~~PLET~~ Lateral
depression.



Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station
Project: pH Sampling (June 2023)

Date and Time Received: 6/21/2023 10:45
Date Logged: 6/21/2023
Received by: Agustina Venegas
Logged by: Valerie Alfaro

WorkOrder №: 2306F77 Matrix: Water
Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Samples Received on Ice?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Sample/Temp Blank temperature	Temp:		NA <input checked="" type="checkbox"/>
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
UCMR Samples:			
pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments:

Attachment 9
Annual Flowmeter Calibration

Gateway Generating Station
Annual Flowmeter Accuracy Test

Name and Signature of Tester:

Cesar Valdez / Heather Shinde

Date of Test:

6/21/23

Follow the testing procedure (per manufacturer's -Yokogawa Corporation of America's recommendation) below.

Flowmeter ID	Coil Resistance Check		Flow Tube Resistance Check		
	Reading (ohm/s)	Within +/- 10% (Y/N)?	Electrode A Reading (ohm/s)	Electrode A Reading (ohm/s)	Within 20% Difference (Y/N)?
Industrial Wastewater Flowmeter Tag No. 8WWC-FM-X001 Model No. Yokogawa AXF-100C Coil Resistance Value: 113.4 ohms	110.9 Ω	yes	4.9 m Ω	6.10 m Ω	yes
Sanitary Wastewater Flowmeter Tag No. 8WWB-FM-X001 Model No. Yokogawa AXF 650C Coil Resistance Value: 116.8 ohms	116.3 Ω	yes	185 $\mu\Omega$	211 $\mu\Omega$	yes

Procedure for testing AXF integral flowtubes

1. Remove power from the flow meter. Remove the display side cover from the meter electronics housing.
2. Remove three retaining screws with a Phillips head screwdriver used to hold the amplifier assembly in place.
3. Remove the white plastic connector (CN5) attached to the left side of the amplifier assembly. The connector has 3 wires (red, white & blue). Remove the white plastic connector (CN3) attached to the right side of the amplifier assembly. The connector has 2 wires (purple & yellow).
4. Remove the amplifier assembly and store it in a safe place.

Checking the coil circuits

5. Locate 2 wire connector (CN3). Measure the excitation coil resistance between the yellow wire and purple wire of connector CN3. The measured resistance should correspond to the resistance value shown above in table 2 within +/- 10%.
6. Confirm that there is more than 20 MOHMS resistance between each wire to the meter electronics housing. If leakage is detected consult Yokogawa at 800-524-SERV.

Checking the flow tube when filled with conductive liquid

7. Make certain that the meter flow tube is full of liquid with greater than one micro-siemen conductivity.
8. Locate connector CN5 (3 wire connector). Measure the resistance between the red wire (A) and the blue wire (C) of CN5. Record the value.
9. Measure the resistance between the white wire (B) and the blue wire (C) of CN5. Record the value.
10. Compare resistance readings obtained in steps 8 and 9 above. If the readings are less than 20% apart the meter flow tube is not suspect. Proceed to the reassembly instructions (step 13). If readings are greater than 20% apart proceed to step 11.

Checking the flow tube when empty and dry

11. Drain the meter flow tube of all conductive liquid. Measure the resistance between each electrode in the meter flow tube to CN5 red (A) or white (B). The resistance will be less than 3 Ohms for general purpose meters or 150 K ohms for FM approved meters.
12. Repeat steps 8 and 9 above. The resistance should be infinite. Any leakage measured maybe due to buildup of conductive material between the electrode and the meter tube. Clean
13. Replace the amplifier assembly and meter electronics housing cover.

42.2



**Pacific Gas and
Electric Company®**

Mailing Address:
Pacific Gas & Electric Company
Gateway Generating Station
3225 Wilbur Ave.
Antioch, CA 94509
(925) 522-7801

October 10, 2023

Mr. Jason Yun
Delta Diablo Sanitation District (DD)
2500 Pittsburg-Antioch Hwy.
Antioch, CA 94509-1373

Reference: Pacific Gas and Electric Company - Gateway Generating Station
DD Industrial Wastewater Discharge Permit
Permit Number: 0208841-C

Subject: Quarterly Self-Monitoring Report
Diablo Industrial Wastewater Discharge Permit Number 0208841-C
(For Period Ending September 30, 2023)

Dear Mr. Yun,

Attached is the Quarterly Self-Monitoring Report (SMR) for Pacific Gas and Electric Company - Gateway Generating Station (GGS) for the period ending September 30, 2023, as required under Delta Diablo Industrial Wastewater Discharge Permit Number 0208841-C.

Included in the report are Certification Statement, Industrial User Compliance Report, Industrial Monitoring Report Summary, Discharge Flow Data, Monthly Flow, WSAC Operating Months Report, Cycles of Concentration, and Copy of Laboratory Results.

If you have any questions about this report, please feel free to contact Angel Espiritu at 510-861-1597, or at abe4@pge.com. Thank you.

Sincerely,

Tim Wisdom

Tim Wisdom
Senior Plant Manager

Attachment: a/s

RECEIVED

OCT 11 2023

DELTA DIABLO

Public

Pacific Gas and Electric Company
Gateway Generating Station

Quarterly Self-Monitoring Report

For the reporting period ending in September 30, 2023

This report is to comply with the requirement of the Industrial Wastewater Discharge Permit issued by the Delta Diablo Sanitation District (Delta Diablo) to Gateway Generating Station (GGS) under Permit No. 02088441-C with expiration date of February 28, 2027.

The report includes the following attachments:

- | | |
|---------------|--------------------------------------|
| Attachment 1: | Certification Statement |
| Attachment 2: | Industrial User Compliance Report |
| Attachment 3: | Industrial Monitoring Report Summary |
| Attachment 4: | Discharge Flow Data |
| Attachment 5: | Monthly Flow Data |
| Attachment 6: | WSAC Operating Hours Report |
| Attachment 7: | Cycles of Concentration |
| Attachment 8: | Laboratory Results |
| Attachment 9: | Annual Flowmeters Calibration |

Attachment 1
Certification Statement

Certification Statement

Name of Business: PG&E Gateway Generating Station
Address: 3225 Wilbur Avenue, Antioch, CA. 94509
Phone: 925-522-7805
Period Covered: Period ending: September 30, 2023

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Tim Wisdom Date: Oct. 10, 2023

Print Name: Tim Wisdom

Attachment 2
Industrial User Compliance Report

Industrial User Compliance Report Form

Attn: Jason Yun

Fax # (925)756-1961

From: Tim Wisdom

Company: Pacific Gas and Electric Company – Gateway Generating Station

Period Covered: Period ending September 30, 2023

Pretreatment

Phone: (925)756-1929

Industrial User Checklist for self –monitoring reports, as specified by the wastewater discharge permit issued by Delta Diablo:

Self-monitoring reports

- ☒ Flow discharge summary (Discharge Permit Section E.1.h.) (See Attachment 4)
- ☐ Calibration of flow meters, as required. (Section E.1.g.)) (See Attachment 9)
- ☒ Monitoring results- All required tests completed, results reviewed, results included, QA/QC, chain of custody (section F.7.) (See Attachment 8)
- ☒ Certification statement included (See Attachment 1)

Violations (if applicable)

- ☐ All wastewater discharge exceedance was reported during this reporting period
- ☐ Delta Diablo was contacted. (See Additional Notes below)
- ☐ A follow-up report on characterization re-sampling was submitted
- ☒ Corrective actions to resolve violation (See additional notes)
- ☐ Other violations - i.e. Reporting, spills to sewer, or prohibited discharges

Additional Notes:

All corrective actions required under the Delta Diablo NOV letter dated 5/4/2023 was completed as of 7/21/2023. All relevant documentation was submitted to Delta Diablo in timely manner.

Significant changes

Anticipated changes that may alter the nature, quality, or volume of the wastewater discharged. Planned changes shall be submitted at least 90-days prior to implementation and shall include a detailed description of this change. (None)

Attachment 3
Industrial Monitoring Report Summary

INDUSTRIAL MONITORING REPORT SUMMARY (Combined Site Flow: FAC - Control Manhole Local Limits: E-001)

IU NAME : PG&E Gateway Generating Station
 ADDRESS: 3225 Wilbur Avenue
 CITY : Antioch

ID #: 0208841-C
 TYPE: Power Generation Plant

SIC: 4911

DATE	9/11/2023	9/12/2023	9/12/2023	9/12/2023				
TYPE	G	G	C24	C24				
STATION	E-001	E-001	E-001	E-001				
SMP.BY	Muskan	Muskan	Muskan	Muskan				
PURPOSE	Compliance Quarterly (Q2)	Compliance Quarterly (Q3)	Compliance Quarterly (Q3)	Compliance Semi-annual (S-2)				

Units: mg/L

PARAMETERS	LIMITS							
FLOW, DAILY (gal)	51,120							
FLOW, MONTH (gal)								
pH	6-10 s.u.	8.52						
BOD				ND(<60.)				
COD				34.0				
TDS				342.0				
TSS				22.8				
Arsenic	0.15			0.00055				
Cadmium	0.1			ND(<0.00005)				
Chromium	0.5			0.00085				
Copper	0.5			0.0043				
Iron				0.300				
Lead	0.5			0.00025				
Mercury	0.003			ND(<0.00013)				
Molybdenum				0.019				
Nickel	0.5			0.00160				
Selenium	0.25			0.00024				
Silver	0.2			ND(<0.000051)				
Zinc	1.00			0.160				
Cyanide	0.2		0.004					
Phenol	1.00		ND(<0.0014)					
Ammonia	200		57					
O&G Petro/Min (E1664A w/ Silica)	100	ND(<1.1)	ND(<1.1)					
O&G Animal/Vegetable Oil	300	ND(<2.5)	ND(<2.4)					
TTO EPA 608					ND (0.00001)			
TTO EPA 624					0.0183			
TTO EPA 625					0.0001906			
TTO	2.00				0.0184906			
Sulfide								
Sulfate								

Comments: ND = Non-Detect, NSD = No Structures Detected, MFL = Millions of Fibers per Liter

In accordance with Footnote 2 of the table located in Section (D)(1) of the permit, PG&E is reporting the Oil & Grease (O&G) as follows: Petroleum/Mineral includes the silica gel (i.e. SGT-HEM) and Animal/Vegetable does not include silica gel

Attachment 4
Discharge Flow Data

PG&E Gateway Generating Station

Discharge Flow Data

July 2023-September 2023

Date	Industrial Flow				Sanitary Flow				Site Total (Gallons)
	Instantaneous Flow (GPM)	Time Over 35.5 GPM (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	Instantaneous Flow (GPM)	Time Meter went Bad Quality (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	
7/1/2023	34.5	0.0	NO	21,766	0.0	0	NO		21,766
7/2/2023	34.7	0.0	NO	22,762	26.3	0	NO	382	23,144
7/3/2023	35.1	0.0	NO	22,176	0.0	0	NO		22,176
7/4/2023	34.5	0.0	NO	32,946	0.0	0	NO		32,946
7/5/2023	34.3	0.0	NO	11,851	25.9	0	NO	378	12,229
7/6/2023	34.8	0.0	NO	6,941	0.1	0	NO		6,941
7/7/2023	34.8	0.0	NO	21,607	0.0	0	NO		21,607
7/8/2023	34.8	1.0	NO	33,145	5.2	2	NO		33,145
7/9/2023	34.6	0.0	NO	21,941	0.0	0	NO		21,941
7/10/2023	34.9	0.0	NO	34,150	0.0	0	NO		34,150
7/11/2023	34.6	0.0	NO	35,881	25.8	0	NO	380	36,260
7/12/2023	34.9	0.0	NO	39,086	0.0	0	NO		39,086
7/13/2023	36.1	0.0	NO	48,629	26.5	0	NO	358	48,987
7/14/2023	34.5	0.0	NO	49,018	0.0	0	NO		49,018
7/15/2023	34.7	0.0	NO	27,060	0.0	0	NO		27,060
7/16/2023	35.0	0.0	NO	15,980	26.7	0	NO	378	16,358
7/17/2023	34.8	0.0	NO	37,438	0.0	0	NO		37,438
7/18/2023	34.5	0.0	NO	46,337	25.9	0	NO	367	46,704
7/19/2023	34.6	2.0	NO	38,671	0.0	2	NO		38,671
7/20/2023	34.5	0.0	NO	28,525	26.1	0	NO	370	28,895
7/21/2023	34.5	2.0	NO	39,168	0.0	2	NO		39,168
7/22/2023	34.6	9.0	NO	48,724	0.0	9	NO		48,724
7/23/2023	34.8	2.0	NO	35,762	0.0	2	NO		35,762
7/24/2023	34.8	1.0	NO	34,931	26.5	1	NO	387	35,317
7/25/2023	34.6	1.0	NO	26,508	26.9	1	NO	382	26,890
7/26/2023	34.6	26.0	NO	13,953	0.0	26	NO		13,953
7/27/2023	34.6	2.0	NO	22,592	25.9	2	NO	387	22,979
7/28/2023	34.6	22.0	NO	5,822	0.0	22	NO		5,822
7/29/2023	34.6	0.0	NO	14,494	0.0	0	NO		14,494
7/30/2023	34.9	2.0	NO	6,728	0.1	2	NO		6,728
7/31/2023	34.6	0.0	NO	28,208	26.1	0	NO	372	28,579
Max Daily Flow (Limit: 51,120):									49,018
Monthly Total:									876,938
8/1/2023	34.5	0.0	NO	25,118	0.0	0	NO	-	25,118
8/2/2023	34.7	0.0	NO	22,037	27.0	0	NO	393	22,430
8/3/2023	34.5	0.0	NO	22,804	24.7	0	NO	382	23,186
8/4/2023	34.7	0.0	NO	14,567	0.1	0	NO	-	14,567
8/5/2023	34.7	0.0	NO	31,066	25.5	0	NO	403	31,469
8/6/2023	34.5	0.0	NO	35,320	0.1	0	NO	-	35,320
8/7/2023	34.5	0.0	NO	21,960	0.0	0	NO	-	21,960
8/8/2023	-0.4	0.0	NO		24.6	0	NO	367	367
8/9/2023	34.6	0.0	NO	37,344	23.3	0	NO	371	37,715
8/10/2023	34.4	0.0	NO	37,828	0.0	0	NO	-	37,828
8/11/2023	34.6	0.0	NO	38,947	26.2	0	NO	381	39,329
8/12/2023	34.7	0.0	NO	34,104	0.0	0	NO	-	34,104
8/13/2023	34.5	0.0	NO	41,808	0.0	0	NO	-	41,808
8/14/2023	34.8	0.0	NO	26,582	0.0	0	NO	-	26,582
8/15/2023	34.8	0.0	NO	25,669	26.2	0	NO	384	26,054
8/16/2023	34.7	0.0	NO	26,445	0.0	0	NO	-	26,445
8/17/2023	34.8	0.0	NO	24,527	26.8	0	NO	364	24,891
8/18/2023	34.5	0.0	NO	19,985	0.0	0	NO	-	19,985
8/19/2023	34.8	0.0	NO	16,780	26.6	0	NO	361	17,141
8/20/2023	34.9	0.0	NO	19,824	0.1	0	NO	-	19,824
8/21/2023	34.8	0.0	NO	34,657	0.0	0	NO	-	34,657

Public

PG&E Gateway Generating Station

Discharge Flow Data

July 2023-September 2023

Date	Industrial Flow				Sanitary Flow				Site Total (Gallons)
	Instantaneous Flow (GPM)	Time Over 35.5 GPM (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	Instantaneous Flow (GPM)	Time Meter went Bad Quality (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	
8/22/2023	34.6	0.0	NO	24,155	26.5	0	NO	368	24,523
8/23/2023	34.8	0.0	NO	30,616	24.7	0	NO	363	30,979
8/24/2023	34.7	0.0	NO	28,743	0.0	0	NO	-	28,743
8/25/2023	34.6	0.0	NO	17,827	26.2	0	NO	414	18,241
8/26/2023	0.0	0.0	NO	35,700	0.0	0	NO	-	35,700
8/27/2023	34.4	0.0	NO	49,005	0.0	0	NO	-	49,005
8/28/2023	34.5	0.0	NO	48,379	24.5	0	NO	374	48,753
8/29/2023	34.5	0.0	NO	49,013	0.0	0	NO	-	49,013
8/30/2023	34.5	0.0	NO	48,602	26.1	0	NO	390	48,992
8/31/2023	34.6	0.0	NO	40,248	0.0	0	NO	-	40,248

Max Daily Flow (Limit: 51,120): 49,013

Monthly Total: 934,977

9/1/2023	34.8	0.0	NO	28,681	26.5	0	NO	406	29,087
9/2/2023	34.8	0.0	NO	23,028	0.0	0	NO	-	23,028
9/3/2023	34.5	0.0	NO	49,031	0.0	0	NO	-	49,031
9/4/2023	34.5	0.0	NO	42,944	0.0	0	NO	-	42,944
9/5/2023	34.5	0.0	NO	48,603	25.0	0	NO	402	49,005
9/6/2023	34.5	0.0	NO	49,007	0.0	0	NO	-	49,007
9/7/2023	34.5	0.0	NO	25,523	26.5	0	NO	415	25,938
9/8/2023	34.7	0.0	NO	22,432	0.0	0	NO	-	22,432
9/9/2023	34.6	0.0	NO	23,088	0.0	0	NO	-	23,088
9/10/2023	34.8	0.0	NO	14,826	26.7	0	NO	400	15,226
9/11/2023	34.8	0.0	NO	37,629	0.0	0	NO	-	37,629
9/12/2023	34.5	0.0	NO	48,604	26.1	0	NO	408	49,012
9/13/2023	34.8	0.0	NO	34,894	0.0	0	NO	-	34,894
9/14/2023	34.6	0.0	NO	15,033	25.8	0	NO	399	15,432
9/15/2023	34.6	0.0	NO	27,539	0.0	0	NO	-	27,539
9/16/2023	34.8	0.0	NO	33,302	0.0	0	NO	-	33,302
9/17/2023	34.8	0.0	NO	35,980	0.0	0	NO	-	35,980
9/18/2023	34.5	0.0	NO	18,771	25.9	0	NO	400	19,171
9/19/2023	34.6	0.0	NO	13,090	0.0	0	NO	-	13,090
9/20/2023	34.4	0.0	NO	38,397	0.0	0	NO	-	38,397
9/21/2023	34.7	0.0	NO	29,691	25.9	0	NO	406	30,097
9/22/2023	34.5	0.0	NO	30,523	0.0	0	NO	-	30,523
9/23/2023	34.8	0.0	NO	16,896	0.0	0	NO	-	16,896
9/24/2023	34.8	0.0	NO	45,679	25.8	0	NO	400	46,079
9/25/2023	34.5	0.0	NO	37,204	0.0	0	NO	-	37,204
9/26/2023	34.6	0.0	NO	23,513	26.6	0	NO	394	23,907
9/27/2023	34.3	0.0	NO	11,503	0.0	0	NO	-	11,503
9/28/2023	34.6	0.0	NO	31,996	26.1	0	NO	404	32,400
9/29/2023	34.5	0.0	NO	41,838	0.0	0	NO	-	41,838
9/30/2023	34.9	0.0	NO	21,991	0.0	0	NO	-	21,991

Max Daily Flow (Limit: 51,120): 49,031

Monthly Total: 925,670

Attachment 5
Monthly Flow Data

Industrial Flow Reporting Form for Delta Diablo

SIU Name: **PG&E Gateway Generating Station**

Address: 3225 Wilbur Avenue, Antioch, CA 94509

City: Antioch

Contact Name: Tim Wisdom

Flow Meter: Sewer Final Effluent _____ City Water Meter _____

(The data are based on flowmeter readings as recorded by the plant's "Pi Historian" data acquisition/handling system)

Year: **2023**

Month	Flow (gallons)	Due Date
January		
February		
March		
April		
May		
June		
July	876,938	10/15/2023
August	934,977	10/15/2023
September	925,670	10/15/2023
October		
November		
December		

Note:

1) Flow data is based on the sewer final effluent flow meter or the City water meter if no effluent flow meter is at the industrial facility.

2) The flow data documentation shall continue to be submitted in the regularly scheduled self-monitoring reports.

Attachment 6
WSAC Operating Hours Report

WSAC Operating Hours Report
July 2023 - September 2023

WSAC Operation	
Month	
January-23	
February-23	
March-23	
April-23	
May-23	
June-23	
July-23	424.08
August-23	460.50
September-23	241.43
October-23	
November-23	
December-23	

Attachment 7
Cycles of Concentration

PG&E Gateway Generating Station

WSAC Average Daily Blowdown Cycles Report
July 2023 - September 2023

WSAC Operation	
Month	Average Daily Blowdown Cycles
January-23	
February-23	
March-23	
April-23	
May-23	
June-23	
July-23	5.21
August-23	3.85
September-23	3.48
October-23	
November-23	
December-23	

Average Daily Blowdown Cycles calculated using the ratio of specific conductivities between the three WSAC basins (average) relative to the makeup water.

Attachment 8
Laboratory Results
Monitoring of Combined Site Stream
(E-001)

Attachment 8a
Laboratory Results
Quarterly Monitoring of Combined Site Stream
(E-001)



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2309634

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Angel Espiritu

Project P.O.:

Project: Quarterly Sampling (September 2023)

Project Received: 09/12/2023

Analytical Report reviewed & approved for release on 09/21/2023 by:

Christine Askari
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.





Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2309634

Project: Quarterly Sampling (September 2023)

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit ¹
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit ²
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube

¹ MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

² RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.



Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2309634

Project: Quarterly Sampling (September 2023)

TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	"Too Numerous to Count;" greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
i5	The sample dilutions set up for the BOD analysis did not meet the oxygen depletion criterion of at least 2 mg/l, therefore the reported result is an estimated value only.



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/12/2023 13:45
Date Prepared: 09/18/2023
Project: Quarterly Sampling (September 2023)

WorkOrder: 2309634
Extraction Method: E1664A_SG
Analytical Method: E1664A
Unit: mg/L

Hexane Extractable Material (HEM; Oil & Grease) with Silica Gel Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2309634-001B	Water	09/11/2023 10:40	O&G	278210

Analytes	Result	MDL	RL	DF	Date Analyzed
SGT-HEM	ND	1.1	4.8	1	09/18/2023 10:10

Analyst(s): LAM

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2309634-002B	Water	09/12/2023 11:35	O&G	278210

Analytes	Result	MDL	RL	DF	Date Analyzed
SGT-HEM	ND	1.1	4.8	1	09/18/2023 10:20

Analyst(s): LAM



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
<http://www.mcccampbell.com> / E-mail: main@mcccampbell.com

Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/12/2023 13:45
Date Prepared: 09/18/2023
Project: Quarterly Sampling (September 2023)

WorkOrder: 2309634
Extraction Method: E1664A
Analytical Method: E1664A
Unit: mg/L

Hexane Extractable Material (HEM; Oil & Grease) without Silica Gel Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2309634-001A	Water	09/11/2023 10:40	O&G	278210

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
HEM	ND	2.5	5.0	1	09/18/2023 10:05

Analyst(s): LAM

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2309634-002A	Water	09/12/2023 11:35	O&G	278210

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
HEM	ND	2.4	4.8	1	09/18/2023 10:15

Analyst(s): LAM



Analytical Report

Client: PG&E Gateway Generating Station

WorkOrder: 2309634

Date Received: 09/12/2023 13:45

Extraction Method: SM4500-NH3 BG

Date Prepared: 09/14/2023

Analytical Method: SM4500-NH3 BG

Project: Quarterly Sampling (September 2023)

Unit: mg/L

Ammonia as N

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2309634-002C	Water	09/12/2023 11:35	WC_SKALAR 230914E1_39	278059
<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Ammonia, total as N	57	1.9	2.0	20	09/14/2023 20:00

Analyst(s): IGC



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/12/2023 13:45
Date Prepared: 09/13/2023
Project: Quarterly Sampling (September 2023)

WorkOrder: 2309634
Extraction Method: SM5210B
Analytical Method: SM5210 B
Unit: mg/L

Biochemical Oxygen Demand (BOD)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2309634-003A	Water	09/12/2023 11:15	WetChem	277887
<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
BOD	ND	60	60	30	09/18/2023 16:09

Analyst(s): MGO

Analytical Comments: i5



Analytical Report

Client: PG&E Gateway Generating Station

WorkOrder: 2309634

Date Received: 09/12/2023 13:45

Extraction Method: SM4500-CN⁻ E

Date Prepared: 09/14/2023

Analytical Method: SM4500-CN⁻ CE

Project: Quarterly Sampling (September 2023)

Unit: µg/L

Cyanide, Total

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2309634-002D	Water	09/12/2023 11:35	WC_Skalar3 230914A0_36	278005

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Cyanide	4.0	0.62	1.0	1	09/14/2023 12:08

Analyst(s): CC



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/12/2023 13:45
Date Prepared: 09/15/2023
Project: Quarterly Sampling (September 2023)

WorkOrder: 2309634
Extraction Method: SM5220 D
Analytical Method: SM5220 D-1997
Unit: mg/L

Chemical Oxygen Demand (COD) as mg O₂/L

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2309634-003B	Water	09/12/2023 11:15	SPECTROPHOTOMETER2	278167
<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
COD	34	8.2	10	1	09/15/2023 18:17

Analyst(s): IGC



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/12/2023 13:45
Date Prepared: 09/12/2023
Project: Quarterly Sampling (September 2023)

WorkOrder: 2309634
Extraction Method: E245.2
Analytical Method: E245.2
Unit: µg/L

Mercury by Cold Vapor Atomic Absorption

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2309634-003E	Water	09/12/2023 11:15	AA1_03	277735

Analytes	Result	MDL	RL	DF	Date Analyzed
Mercury	ND	0.13	0.20	1	09/18/2023 14:11

Analyst(s): DMA



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/12/2023 13:45
Date Prepared: 09/12/2023
Project: Quarterly Sampling (September 2023)

WorkOrder: 2309634
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Metals

Client ID	Lab ID	Matrix	Date Collected			Instrument	Batch ID
E-001 Comp	2309634-003F	Water	09/12/2023 11:15			ICP-MS4 165SMPL.d	277731
Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed	
Arsenic	0.55		0.071	0.50	1	09/13/2023 14:26	
Cadmium	ND		0.050	0.50	1	09/13/2023 14:26	
Chromium	0.85		0.26	0.50	1	09/13/2023 14:26	
Copper	4.3		0.63	1.5	1	09/13/2023 14:26	
Iron	300		22	50	1	09/13/2023 14:26	
Lead	0.25	J	0.19	0.50	1	09/13/2023 14:26	
Molybdenum	19		0.14	0.50	1	09/13/2023 14:26	
Nickel	1.6		0.33	0.50	1	09/13/2023 14:26	
Selenium	0.24	J	0.18	0.50	1	09/13/2023 14:26	
Silver	ND		0.051	0.50	1	09/13/2023 14:26	
Zinc	160		11	20	1	09/13/2023 14:26	
Surrogates	REC (%)			Limits			
Terbium	107			70-130		09/13/2023 14:26	
Analyst(s):	WV						



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/12/2023 13:45
Date Prepared: 09/21/2023
Project: Quarterly Sampling (September 2023)

WorkOrder: 2309634
Extraction Method: E420.4
Analytical Method: E420.4
Unit: µg/L

Phenolics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2309634-002C	Water	09/12/2023 11:35	WC_SKALAR 230921B1_14	278499

Analytes	Result		MDL		RL		DF		Date Analyzed
Phenolics	ND		1.4	2.0	1				09/21/2023 11:59

Analyst(s): CC



Analytical Report

Client: PG&E Gateway Generating Station

WorkOrder: 2309634

Date Received: 09/12/2023 13:45

Extraction Method: SM2540 C- 1997

Date Prepared: 09/15/2023

Analytical Method: SM2540 C

Project: Quarterly Sampling (September 2023)

Unit: mg/L

Total Dissolved Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2309634-003C	Water	09/12/2023 11:15	WetChem	278166

Analyses

Total Dissolved Solids	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
	342	10.0	10.0	1	09/19/2023 14:03

Analyst(s): JME



Analytical Report

Client: PG&E Gateway Generating Station

WorkOrder: 2309634

Date Received: 09/12/2023 13:45

Extraction Method: SM2540 D-1997

Date Prepared: 09/18/2023

Analytical Method: SM2540 D

Project: Quarterly Sampling (September 2023)

Unit: mg/L

Total Suspended Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2309634-003D	Water	09/12/2023 11:15	WetChem	278212

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Suspended Solids	22.8	1.00	1.00	1	09/18/2023 15:20

Analyst(s): JRA

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

09/18/2023

Date Analyzed:

09/18/2023

Instrument:

O&G

Matrix:

Water

Project:

Quarterly Sampling (September 2023)

WorkOrder:

2309634

BatchID:

278210

Extraction Method:

E1664A_SG

Analytical Method:

E1664A

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-278210

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL
HEM	ND	2.5	5.0
SGT-HEM	ND	1.1	5.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
HEM	17	20	20.83	82	96	78-114	16.1	30
SGT-HEM	8.1	8.8	10.42	78	85	64-132	8.60	30

Quality Control Report

Client: PG&E Gateway Generating Station

Date Prepared: 09/14/2023

Date Analyzed: 09/14/2023

Instrument: WC_SKALAR

Matrix: Water

Project: Quarterly Sampling (September 2023)

WorkOrder: 2309634

BatchID: 278059

Extraction Method: SM4500-NH3 BG

Analytical Method: SM4500-NH3 BG

Unit: mg/L

Sample ID: MB/LCS/LCSD-278059

QC Summary Report for SM4500-NH3

Analyte	MB Result	MDL	RL
Ammonia, total as N	ND	0.095	0.10

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Ammonia, total as N	3.9	3.7	4	97	93	88-113	4.06
							20

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

09/13/2023

Date Analyzed:

09/18/2023

Instrument:

WetChem

Matrix:

Water

Project:

Quarterly Sampling (September 2023)

WorkOrder:

2309634

BatchID:

277887

Extraction Method:

SM5210B

Analytical Method:

SM5210 B

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-277887

QC Summary Report for BOD

Analyte	MB Result	MDL	RL
BOD	ND	2.0	2.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
BOD	230	230	198	115	114	80-120	1.10	16

Quality Control Report

Client: PG&E Gateway Generating Station

Date Prepared: 09/14/2023

Date Analyzed: 09/14/2023

Instrument: WC_Skalar3

Matrix: Water

Project: Quarterly Sampling (September 2023)

WorkOrder: 2309634

BatchID: 278005

Extraction Method: SM4500-CN⁻ E

Analytical Method: SM4500-CN⁻ CE

Unit: µg/L

Sample ID: MB/LCS/LCSD-278005

QC Summary Report for SM4500-CN⁻ CE

Analyte	MB Result	MDL	RL
Total Cyanide	ND	0.62	1.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Total Cyanide	50	49	50	100	97	90-110	20

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2309634
Date Prepared:	09/15/2023	BatchID:	278167
Date Analyzed:	09/15/2023	Extraction Method:	SM5220 D
Instrument:	SPECTROPHOTOMETER2	Analytical Method:	SM5220 D-1997
Matrix:	Water	Unit:	mg/L
Project:	Quarterly Sampling (September 2023)	Sample ID:	MB/LCS/LCSD-278167

QC Summary Report for COD

Analyte	MB Result	MDL	RL
COD	ND	8.2	10

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
COD	92	98	100	92	98	90-110	6:32	20

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

09/12/2023

Date Analyzed:

09/13/2023

Instrument:

AA1

Matrix:

Water

Project:

Quarterly Sampling (September 2023)

WorkOrder:

2309634

BatchID:

277735

Extraction Method:

E245.2

Analytical Method:

E245.2

Unit:

µg/L

Sample ID:

MB/LCS/LCSD-277735

QC Summary Report for Mercury

Analyte	MB Result	MDL	RL
Mercury	ND	0.13	0.20

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Mercury	1.8	1.8	2	92	88	85-115	4.40
							20



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2309634
Date Prepared:	09/12/2023	BatchID:	277731
Date Analyzed:	09/13/2023	Extraction Method:	E200.8
Instrument:	ICP-MS6	Analytical Method:	E200.8
Matrix:	Water	Unit:	µg/L
Project:	Quarterly Sampling (September 2023)	Sample ID:	MB/LCS/LCSD-277731

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.071	0.50	-	-	-
Cadmium	ND	0.050	0.50	-	-	-
Chromium	ND	0.26	0.50	-	-	-
Copper	ND	0.63	1.5	-	-	-
Iron	ND	22	50	-	-	-
Lead	ND	0.19	0.50	-	-	-
Molybdenum	ND	0.14	0.50	-	-	-
Nickel	ND	0.33	0.50	-	-	-
Selenium	ND	0.18	0.50	-	-	-
Silver	ND	0.051	0.50	-	-	-
Zinc	ND	11	20	-	-	-
Surrogate Recovery						
Terbium	510			500	103	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Arsenic	52	52	50	104	104	85-115	0.391 20
Cadmium	52	51	50	103	103	85-115	0.573 20
Chromium	51	50	50	101	100	85-115	1.23 20
Copper	52	52	50	103	104	85-115	0.302 20
Iron	5100	4900	5000	102	99	85-115	3.01 20
Lead	50	51	50	101	102	85-115	0.929 20
Molybdenum	50	49	50	100	98	85-115	1.36 20
Nickel	52	51	50	103	103	85-115	0.652 20
Selenium	53	53	50	105	107	85-115	1.21 20
Silver	52	52	50	104	104	85-115	0.334 20
Zinc	520	530	500	105	105	85-115	0.370 20
Surrogate Recovery							
Terbium	520	510	500	104	103	70-130	1.51 20

Quality Control Report

Client: PG&E Gateway Generating Station

Date Prepared: 09/21/2023

Date Analyzed: 09/21/2023

Instrument: WC_SKALAR

Matrix: Water

Project: Quarterly Sampling (September 2023)

WorkOrder: 2309634

BatchID: 278499

Extraction Method: E420.4

Analytical Method: E420.4

Unit: µg/L

Sample ID: MB/LCS/LCSD-278499
2309634-002CMS/MSD

QC Summary Report for E420.4

Analyte	MB Result	MDL	RL
Phenolics	ND	1.4	2.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Phenolics	40	41	40	100	101	80-120	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD Limit
Phenolics	1	41	40	40	ND	102	99	70-130	30

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

09/15/2023

Date Analyzed:

09/19/2023

Instrument:

WetChem

Matrix:

Water

Project:

Quarterly Sampling (September 2023)

WorkOrder:

2309634

BatchID:

278166

Extraction Method:

SM2540 C-1997

Analytical Method:

SM2540 C

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-278166

QC Summary Report for Total Dissolved Solids

Analyte	MB Result	MDL	RL
Total Dissolved Solids	ND	10.0	10.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Total Dissolved Solids	998	1020	1000	100	102	80-120	1.79

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

09/18/2023

Date Analyzed:

09/18/2023

Instrument:

WetChem

Matrix:

Water

Project:

Quarterly Sampling (September 2023)

WorkOrder:

2309634

BatchID:

278212

Extraction Method:

SM2540 D-1997

Analytical Method:

SM2540 D

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-278212

QC Summary Report for Total Suspended Solids

Analyte	MB Result	MDL	RL
Total Suspended Solids	ND	1.00	1.00

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Total Suspended Solids	110	114	100	110	114	80-120	10

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2309634

ClientCode: PGEA

☐ WaterTrax

☐ CLIP

☐ EDF

☐ EQuIS

☐ Dry-Weight

☒ Email

☐ HardCopy

☐ ThirdParty

☒ J-flag

☐ Detection Summary

☐ Excel

Report to:

Angel Espiritu
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509
(925) 459-7212 FAX:

Email: abe4@pge.com
cc/3rd Party: tiwy@pge.com; msfg@pge.com;
PO:
Project: Quarterly Sampling (September 2023)

Bill to:

Angel Espiritu
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509

Requested TATs:

5 days;
7 days;

Date Received: 09/12/2023

Date Logged: 09/12/2023

Lab ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2309634-001	E-001 Grab	Water	9/11/2023 10:40	<input type="checkbox"/>	B	A								A		
2309634-002	E-001 Grab	Water	9/12/2023 11:35	<input type="checkbox"/>	B	A	C		D				C	A		
2309634-003	E-001 Comp	Water	9/12/2023 11:15	<input type="checkbox"/>				A		B	E	F		A	C	D

Test Legend:

1	1664A_SG_W
5	CN_SM4500CE_W
9	PHENOLICS_W

2	1664A_W
6	COD_W
10	PRDisposal Fee

3	AMMONIA-SM4500BG_W
7	HG_W
11	TDS_W

4	BOD_W
8	METALSMS_TTLC_W
12	TSS_W

Prepared by: Adrianna Cardoza

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Quarterly Sampling (September 2023)

Work Order: 2309634

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 9/12/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQuIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001 Grab	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	2	1LA w/ HCl + 1-VOA w/HCL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/11/2023 10:40	5 days	9/19/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
001B	E-001 Grab	Water	E1664A (SGT- HEM; Non-polar Material)	2	1LA w/ HCl + 1-VOA w/HCL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/11/2023 10:40	5 days	9/19/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
002A	E-001 Grab	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	1	1LA w/ HCl + 1-aVOA w/HCL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 11:35	5 days	9/19/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
002B	E-001 Grab	Water	E1664A (SGT- HEM; Non-polar Material)	1	1LA w/ HCl + 1-aVOA w/HCL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 11:35	5 days	9/19/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
002C	E-001 Grab	Water	E420.4 (Phenolics)	1	500mL aG w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 11:35	5 days	9/19/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
			SM4500-NH3 BG (Ammonia Nitrogen)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		5 days	9/19/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
002D	E-001 Grab	Water	SM4500-CN ⁻ CE (Cyanide, Total)	1	250mL aHDPE w/ NaOH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 11:35	5 days	9/19/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
003A	E-001 Comp	Water	SM5210B (BOD)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 11:15	7 days	9/21/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
003B	E-001 Comp	Water	SM5220D (COD)	2	aVOA w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 11:15	5 days	9/19/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
003C	E-001 Comp	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 11:15	5 days	9/19/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
003D	E-001 Comp	Water	SM2540D (TSS)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 11:15	5 days	9/19/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Quarterly Sampling (September 2023)

Work Order: 2309634

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 9/12/2023

☐ WaterTrax

☐ CLIP

☐ EDF

☐ Excel

☐ EQUIS

☒ Email

☐ HardCopy

☐ ThirdParty

☒ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
003E	E-001 Comp	Water	E245.2 (Mercury)	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 11:15	5 days	9/19/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
003F	E-001 Comp	Water	E200.8 (Metals) <Arsenic, Cadmium, Chromium, Copper, Iron, Lead, Molybdenum, Nickel, Selenium, Silver, Zinc>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 11:15	5 days	9/19/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.



McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701

Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

GeoTracker EDF ☐ PDF ☐ Excel ☐ Write On (DW) ☐
☒ Check if sample is effluent and "J" flag is required

Report To: Angel Espiritu

Bill To: PG&E Gateway

Analysis Request

Remarks

Company: PG&E Gateway Generating Station

E-Mail: abe4@pge.com, TIWY@pge.com, MSFG@pge.com

Tel: (925) 522-7838, (510) 861-1597 (Cell) Fax: ()

Project Name: Quarterly Sampling (September 2023)

Project Location: Combined Site Flow

Sampler Signature: Muskan Environmental Sampling

SAMPLE ID	LOCATION / Field Point Name	Sample Type Composite / Grab	SAMPLING		# Containers	Type Containers	Matrix		METHOD PRESERVED							Cyanide (Pretreated with sodium thiosulfate before preserving) by SM 4500 CN-ABCE	Metals (Arsenic and selenium) by 200.8 Selenium by reaction mode	Oil/Grease (USEPA 1664A) with and without silica gel clean up	Total Phenolics (USEPA 420.4)	Ammonia as N (SM 4500-NH3-G)	Mercury (245.2)	Metals (200.8 cadmium, chromium, copper, lead, nickel, silver, Molybdenum, iron, and zinc)	BOD (SM 5210B)	COD (SM 5220D)	TDS (SM 2540C)	TSS (SM 2540D)				
			Date	Time			Waste Water	Sewer Water	None	ICE	H ₂ SO ₄	NaOH	HCL	HNO ₃	Other															
E-001		G	9/11/23	10:40	4	1L Amb, 40-ml VOA	X			X			X							X										
E-001		G	9/12/23	11:35	4	1L Amb, 40-ml VOA	X			X			X							X										
E-001		G	9/12/23	11:35	1	500ml Amb	X			X	X								X	X										
E-001		G	9/12/23	11:35	1	250-ml Poly	X			X		X			X															
E-001		C	9/12/23	11:15	1	1L Poly	X		X	X													X							
E-001		C	9/12/23	11:15	2	43-ml VOA	X			X	X													X						
E-001		C	9/12/23	11:15	1	500-ml poly	X		X	X															X					
E-001		C	9/12/23	11:15	1	1L poly	X		X	X																	X			
E-001		C	9/12/23	11:15	1	250-ml Poly	X			X				X					X											
E-001		C	9/12/23	11:15	1	250-ml poly	X			X				X								X								

Relinquished By:

Date:

Time:

Received By:

ICE/r 2.7 net

COMMENTS:

Relinquished By:

Date:

Time:

Received By:

GOOD CONDITION

HEAD SPACE ABSENT

DECHLORINATED IN LAB

APPROPRIATE CONTAINERS

PRESERVED IN LAB

Relinquished By:

Date:

Time:

Received By:

VOAS O&G METALS OTHER



Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station
Project: Quarterly Sampling (September 2023)

Date and Time Received: 9/12/2023 13:45
Date Logged: 9/12/2023
Received by: Valerie Alfaro
Logged by: Adrianna Cardoza

WorkOrder No: 2309634 Matrix: Water
Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 2.7°C	NA <input type="checkbox"/>
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	NA <input type="checkbox"/>
UCMR Samples:		
pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments:

Attachment 8b
Laboratory Results
Quarterly Monitoring of Combined Site Stream (E-001)
pH Report



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2309659

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Sanjiv Gill

Project P.O.:

Project: pH Sampling (September 2023)

Project Received: 09/12/2023

Analytical Report reviewed & approved for release on 09/19/2023 by:

Jena Alfaro

Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.





Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2309659

Project: pH Sampling (September 2023)

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit ¹
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit ²
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube

¹ MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 82.1-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

² RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.



Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2309659

Project: pH Sampling (September 2023)

TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	"Too Numerous to Count," greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Analytical Report

Client: PG&E Gateway Generating Station

WorkOrder: 2309659

Date Received: 09/12/2023 13:45

Extraction Method: SM4500H+B-2000

Date Prepared: 09/11/2023

Analytical Method: SM4500H+B

Project: pH Sampling (September 2023)

Unit: pH units

pH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2309659-001A	Water	09/11/2023 10:35	WetChem	278283

Analytes	Result	Accuracy	DF	Date Analyzed
pH	8.52	±0.05	1	09/11/2023 10:35

Analyst(s): JME

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2309659
Date Prepared:	09/11/2023	BatchID:	278283
Date Analyzed:	09/11/2023	Extraction Method:	SM4500H+B-2000
Instrument:	WetChem	Analytical Method:	SM4500H+B
Matrix:	Water	Unit:	pH units
Project:	pH Sampling (September 2023)	Sample ID:	CCV-278283

QC Summary Report for pH

Analyte	CCV Result	CCV Limits
pH	7.08	6.9-7.1

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2309659

ClientCode: PGEA

☐ WaterTrax ☐ CLIP ☐ EDF ☐ EQuIS ☐ Dry-Weight ☒ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag
☒ Detection Summary ☐ Excel

Report to:

Sanjiv Gill
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509
(925) 459-7212 FAX:

Email: sanjivgill@comcast.net
cc/3rd Party:
PO:
Project: pH Sampling (September 2023)

Bill to:

Angel Espiritu
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509

Requested TAT: 5 days;

Date Received: 09/12/2023

Date Logged: 09/12/2023

Lab ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2309659-001	E-001	Water	9/11/2023 10:35	<input type="checkbox"/>	A	A										

Test Legend:

1	PH_W_SANJIV
5	
9	

2	PRDisposal Fee
6	
10	

3	
7	
11	

4	
8	
12	

Prepared by: Adrianna Cardoza

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: pH Sampling (September 2023)

Work Order: 2309659

Client Contact: Sanjiv Gill

QC Level: LEVEL 2

Contact's Email: sanjivgill@comcast.net

Comments:
Date Logged: 9/12/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQUIS ☒ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001	Water	SM4500H+B (Field pH)	1	<Not Received>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/11/2023 10:35	5 days	9/19/2023		<input type="checkbox"/>	<input type="checkbox"/>

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.



McCAMPBELL ANALYTICAL, INC.

**1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701**

Website: www.mccampbell.com Email: main@mccampbell.com

Telephone: (877) 252-9262

Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

GeoTracker EDF **PDF** **Excel** **Write On (DW)**

☐ Check if sample is effluent and "J" flag is required

Report To: Sanjiv Gill

Bill To: Muskan Environmental

Company: PG&E Gateway Generating Station

E-Mail: sanjivgill@comcast.net

Tel: (408) 666-4494 (Cell)

Fax: ()

Project Name: pH Sampling (September 2023)

Project Location: PG&E GGS Antioch – E-001

Sampler Signature: Muskan Environmental Sampling

[illegible]

Logbook for Field pH Samples

[illegible]

Metco Myron L Company

Ultra Metrex II

50101 # 6222066

pH in COC 9/11/23

PL&E Gateway
Vani G



McC Campbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
<http://www.mccampbell.com> / E-mail: main@mccampbell.com

Client Supplied pH Data

Client Name: PG&E Gateway Generating Station
Project: pH Sampling (September 2023)

WorkOrder No: 2309659

SampleID	ClientSampleID	pH
2309659-001A	E-001	8.52 [analyzed: 9/12/2023 10:35 AM]



Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station
Project: pH Sampling (September 2023)

Date and Time Received: 9/12/2023 13:45

Date Logged: 9/12/2023

Received by: Valerie Alfaro

Logged by: Adrianna Cardoza

WorkOrder No: 2309659 Matrix: Water

Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Sample/Temp Blank temperature	Temp:		NA <input checked="" type="checkbox"/>
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
UCMR Samples:			
pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments: Method SM4500H+B (Field pH) was received past its 0.25-day holding time.

Attachment 8c
Laboratory Results
Semi-annual Monitoring of Combined Site Stream
(E-001)



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2309638

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Angel Espiritu

Project P.O.:

Project: Semi-Annual Sampling (September 2023)

Project Received: 09/12/2023

Analytical Report reviewed & approved for release on 09/22/2023 by:

Christine Askari
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.





Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station**WorkOrder:** 2309638**Project:** Semi-Annual Sampling (September 2023)

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit ¹
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit ²
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube

¹ MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

² RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.



Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2309638

Project: Semi-Annual Sampling (September 2023)

TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	"Too Numerous to Count;" greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
S	Surrogate recovery outside accepted recovery limits.
a2	Sample diluted due to cluttered chromatogram.
c1	Surrogate recovery outside of the control limits due to the dilution of the sample.

Quality Control Qualifiers

F1	MS/MSD recovery and/or RPD is out of acceptance criteria; LCS validates the prep batch.
F3	The surrogate standard recovery and/or RPD is outside of acceptance limits.
F5	LCS/LCSD recovery is outside of acceptance limits; however, the data is acceptable based upon the TNI allowable marginal exceedances.



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/12/2023 13:45
Date Prepared: 09/12/2023
Project: Semi-Annual Sampling (September 2023)

WorkOrder: 2309638
Extraction Method: E608.3/SW3620B
Analytical Method: E608.3
Unit: µg/L

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
E-001	2309638-001D	Water	09/12/2023 11:35		GC40 09182365.d	277764
Analytes	Result	MDL	RL	DF	Date Analyzed	
Aldrin	ND	0.0014	0.0050	5	09/19/2023 02:16	
a-BHC	ND	0.0016	0.0050	5	09/19/2023 02:16	
b-BHC	ND	0.0034	0.0050	5	09/19/2023 02:16	
d-BHC	ND	0.00070	0.0050	5	09/19/2023 02:16	
g-BHC	ND	0.0022	0.0050	5	09/19/2023 02:16	
Chlordane (Technical)	ND	0.012	0.10	5	09/19/2023 02:16	
p,p-DDD	ND	0.00055	0.0050	5	09/19/2023 02:16	
p,p-DDE	ND	0.00090	0.0050	5	09/19/2023 02:16	
p,p-DDT	ND	0.00085	0.0050	5	09/19/2023 02:16	
Dieldrin	ND	0.00070	0.0050	5	09/19/2023 02:16	
Endosulfan I	ND	0.00055	0.0050	5	09/19/2023 02:16	
Endosulfan II	ND	0.0023	0.0050	5	09/19/2023 02:16	
Endosulfan sulfate	ND	0.0016	0.010	5	09/19/2023 02:16	
Endrin	ND	0.00090	0.0050	5	09/19/2023 02:16	
Endrin aldehyde	ND	0.0026	0.0050	5	09/19/2023 02:16	
Heptachlor	ND	0.0021	0.0050	5	09/19/2023 02:16	
Heptachlor epoxide	ND	0.0012	0.0050	5	09/19/2023 02:16	
Toxaphene	ND	0.010	0.10	5	09/19/2023 02:16	
Aroclor1016	ND	0.0095	0.10	5	09/19/2023 02:16	
Aroclor1221	ND	0.012	0.10	5	09/19/2023 02:16	
Aroclor1232	ND	0.019	0.10	5	09/19/2023 02:16	
Aroclor1242	ND	0.014	0.10	5	09/19/2023 02:16	
Aroclor1248	ND	0.0090	0.10	5	09/19/2023 02:16	
Aroclor1254	ND	0.0075	0.10	5	09/19/2023 02:16	
Aroclor1260	ND	0.014	0.10	5	09/19/2023 02:16	
PCBs, total	ND	NA	0.10	5	09/19/2023 02:16	
Surrogates	REC (%)	Limits				
Decachlorobiphenyl	102	60-130				09/19/2023 02:16
Analyst(s): SVE	Analytical Comments: a2					



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/12/2023 13:45
Date Prepared: 09/13/2023
Project: Semi-Annual Sampling (September 2023)

WorkOrder: 2309638
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L

Acrolein, Acrylonitrile, & 2-Chloroethyl Vinyl Ether

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
E-001	2309638-001B	Water	09/12/2023 11:35		GC10 09122313.D	278023
<u>Analytes</u>		<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Acrolein (Propenal)		ND	3.7	5.0	1	09/13/2023 17:17
Acrylonitrile		ND	0.27	2.0	1	09/13/2023 17:17
2-Chloroethyl Vinyl Ether		ND	0.52	1.0	1	09/13/2023 17:17
<u>Surrogates</u>		<u>REC (%)</u>	<u>Limits</u>			
Dibromofluoromethane		98	70-130		09/13/2023 17:17	
<u>Analyst(s):</u> ALU						



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/12/2023 13:45
Date Prepared: 09/21/2023
Project: Semi-Annual Sampling (September 2023)

WorkOrder: 2309638
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2309638-001A	Water	09/12/2023 11:35	GC38 09212315.D	278590

Analytes	Result	MDL	RL	DF	Date Analyzed
Benzene	ND	0.034	0.20	1	09/21/2023 17:34
Bromodichloromethane	2.5	0.022	0.050	1	09/21/2023 17:34
Bromoform	12	0.10	0.50	1	09/21/2023 17:34
Bromomethane	ND	0.26	0.50	1	09/21/2023 17:34
Carbon tetrachloride	ND	0.033	0.050	1	09/21/2023 17:34
Chlorobenzene	ND	0.092	0.50	1	09/21/2023 17:34
Chloroethane	ND	0.23	0.50	1	09/21/2023 17:34
Chloroform	2.5	0.015	0.10	1	09/21/2023 17:34
Chloromethane	ND	0.18	0.50	1	09/21/2023 17:34
Dibromochloromethane	1.3	0.069	0.15	1	09/21/2023 17:34
1,2-Dichlorobenzene	ND	0.11	0.50	1	09/21/2023 17:34
1,3-Dichlorobenzene	ND	0.12	0.50	1	09/21/2023 17:34
1,4-Dichlorobenzene	ND	0.11	0.50	1	09/21/2023 17:34
1,1-Dichloroethane	ND	0.14	0.50	1	09/21/2023 17:34
1,2-Dichloroethane (1,2-DCA)	ND	0.011	0.020	1	09/21/2023 17:34
1,1-Dichloroethene	ND	0.0036	0.010	1	09/21/2023 17:34
trans-1,2-Dichloroethene	ND	0.12	0.50	1	09/21/2023 17:34
1,2-Dichloropropane	ND	0.029	0.20	1	09/21/2023 17:34
cis-1,3-Dichloropropene	ND	0.13	0.50	1	09/21/2023 17:34
trans-1,3-Dichloropropene	ND	0.20	0.50	1	09/21/2023 17:34
Ethylbenzene	ND	0.14	0.50	1	09/21/2023 17:34
Methylene chloride	ND	0.75	2.0	1	09/21/2023 17:34
1,1,2,2-Tetrachloroethane	ND	0.018	0.020	1	09/21/2023 17:34
Tetrachloroethene	ND	0.028	0.20	1	09/21/2023 17:34
Toluene	ND	0.096	0.50	1	09/21/2023 17:34
1,1,1-Trichloroethane	ND	0.14	0.50	1	09/21/2023 17:34
1,1,2-Trichloroethane	ND	0.026	0.20	1	09/21/2023 17:34
Trichloroethene	ND	0.030	0.50	1	09/21/2023 17:34
Trichlorofluoromethane	ND	0.13	0.50	1	09/21/2023 17:34
Vinyl chloride	ND	0.0027	0.0050	1	09/21/2023 17:34

Surrogates	REC (%)	Limits	
Dibromofluoromethane	101	70-130	09/21/2023 17:34
Toluene-d8	102	70-130	09/21/2023 17:34
4-BFB	95	70-130	09/21/2023 17:34

Analyst(s): TW



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/12/2023 13:45
Date Prepared: 09/13/2023
Project: Semi-Annual Sampling (September 2023)

WorkOrder: 2309638
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected			Instrument	Batch ID
E-001	2309638-001C	Water	09/12/2023 11:35			GC48 09142307.D	277889
Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed	
Acenaphthene	ND		0.0027	0.0047	1	09/14/2023 10:51	
Acenaphthylene	ND		0.0017	0.0047	1	09/14/2023 10:51	
Anthracene	0.0026	J	0.0019	0.0047	1	09/14/2023 10:51	
Benzidine	ND		2.5	4.7	1	09/14/2023 10:51	
Benzo (a) anthracene	ND		0.019	0.047	1	09/14/2023 10:51	
Benzo (a) pyrene	ND		0.0047	0.0047	1	09/14/2023 10:51	
Benzo (b) fluoranthene	ND		0.0050	0.0094	1	09/14/2023 10:51	
Benzo (g,h,i) perylene	0.0046	J	0.0037	0.0094	1	09/14/2023 10:51	
Benzo (k) fluoranthene	ND		0.0047	0.0094	1	09/14/2023 10:51	
Bis (2-chloroethoxy) Methane	ND		0.48	0.94	1	09/14/2023 10:51	
Bis (2-chloroethyl) Ether	ND		0.0047	0.0047	1	09/14/2023 10:51	
Bis (2-chloroisopropyl) Ether	ND		0.0046	0.0094	1	09/14/2023 10:51	
Bis (2-ethylhexyl) Phthalate	0.13	J	0.12	0.24	1	09/14/2023 10:51	
4-Bromophenyl Phenyl Ether	ND		0.27	0.94	1	09/14/2023 10:51	
Butylbenzyl Phthalate	ND		0.076	0.24	1	09/14/2023 10:51	
4-Chloro-3-methylphenol	ND		0.56	0.94	1	09/14/2023 10:51	
2-Chloronaphthalene	ND		0.53	0.94	1	09/14/2023 10:51	
2-Chlorophenol	ND		0.034	0.047	1	09/14/2023 10:51	
4-Chlorophenyl Phenyl Ether	ND		0.46	0.94	1	09/14/2023 10:51	
Chrysene	ND		0.0025	0.0047	1	09/14/2023 10:51	
Dibenzo (a,h) anthracene	ND		0.0049	0.0094	1	09/14/2023 10:51	
1,2-Dichlorobenzene	ND		0.50	0.94	1	09/14/2023 10:51	
1,3-Dichlorobenzene	ND		0.56	0.94	1	09/14/2023 10:51	
1,4-Dichlorobenzene	ND		0.41	0.94	1	09/14/2023 10:51	
3,3-Dichlorobenzidine	ND		0.0058	0.0094	1	09/14/2023 10:51	
2,4-Dichlorophenol	ND		0.0053	0.0094	1	09/14/2023 10:51	
Diethyl Phthalate	0.040	J	0.020	0.047	1	09/14/2023 10:51	
2,4-Dimethylphenol	ND		0.50	0.94	1	09/14/2023 10:51	
4,6-Dinitro-2-methylphenol	ND		3.5	4.7	1	09/14/2023 10:51	
2,4-Dinitrotoluene	ND		0.025	0.047	1	09/14/2023 10:51	
2,6-Dinitrotoluene	ND		0.028	0.047	1	09/14/2023 10:51	
Di-n-octyl Phthalate	ND		1.1	2.4	1	09/14/2023 10:51	
1,2-Diphenylhydrazine	ND		0.40	0.94	1	09/14/2023 10:51	
Fluoranthene	0.0075	J	0.0036	0.0094	1	09/14/2023 10:51	
Fluorene	0.0025	J	0.0017	0.0094	1	09/14/2023 10:51	
Hexachlorobenzene	ND		0.0016	0.0047	1	09/14/2023 10:51	
Hexachlorobutadiene	ND		0.0010	0.0047	1	09/14/2023 10:51	

(Cont.)



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/12/2023 13:45
Date Prepared: 09/13/2023
Project: Semi-Annual Sampling (September 2023)

WorkOrder: 2309638
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected			Instrument	Batch ID
E-001	2309638-001C	Water	09/12/2023 11:35			GC48 09142307.D	277889
Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed	
Hexachlorocyclopentadiene	ND		2.2	4.7	1	09/14/2023 10:51	
Hexachloroethane	ND		0.0032	0.0094	1	09/14/2023 10:51	
Indeno (1,2,3-cd) pyrene	ND		0.0066	0.0094	1	09/14/2023 10:51	
Isophorone	ND		0.42	0.94	1	09/14/2023 10:51	
Naphthalene	ND		0.0059	0.0094	1	09/14/2023 10:51	
Nitrobenzene	ND		0.57	0.94	1	09/14/2023 10:51	
2-Nitrophenol	ND		2.8	4.7	1	09/14/2023 10:51	
4-Nitrophenol	ND		3.4	4.7	1	09/14/2023 10:51	
N-Nitrosodimethylamine	ND		3.4	4.7	1	09/14/2023 10:51	
N-Nitrosodiphenylamine	ND		0.34	0.94	1	09/14/2023 10:51	
N-Nitrosodi-n-propylamine	ND		0.56	0.94	1	09/14/2023 10:51	
Pentachlorophenol	ND		0.15	0.24	1	09/14/2023 10:51	
Phenol	ND		0.018	0.038	1	09/14/2023 10:51	
Pyrene	0.0034	J	0.0026	0.0047	1	09/14/2023 10:51	
1,2,4-Trichlorobenzene	ND		0.49	0.94	1	09/14/2023 10:51	
2,4,6-Trichlorophenol	ND		0.0050	0.0094	1	09/14/2023 10:51	
Surrogates	REC (%)	Qualifiers	Limits				
2-Fluorophenol	32		20-103			09/14/2023 10:51	
Phenol-d5	21		20-120			09/14/2023 10:51	
Nitrobenzene-d5	44	S	61-130			09/14/2023 10:51	
2-Fluorobiphenyl	46	S	63-115			09/14/2023 10:51	
2,4,6-Tribromophenol	67		48-149			09/14/2023 10:51	
4-Terphenyl-d14	77		32-113			09/14/2023 10:51	
Analyst(s): MV			Analytical Comments: c1				



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/12/2023
Date Analyzed: 09/14/2023 - 09/15/2023
Instrument: GC40
Matrix: Water
Project: Semi-Annual Sampling (September 2023)

WorkOrder: 2309638
BatchID: 277764
Extraction Method: E608.3/SW3620B
Analytical Method: E608.3
Unit: µg/L
Sample ID: MB/LCS/LCSD-277764

QC Summary Report for E608.3 w/ Florisil Clean-up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aldrin	ND	0.00028	0.0010	-	-	-
a-BHC	ND	0.00031	0.0010	-	-	-
b-BHC	ND	0.00069	0.0010	-	-	-
d-BHC	ND	0.00014	0.0010	-	-	-
g-BHC	ND	0.00045	0.0010	-	-	-
Chlordane (Technical)	ND	0.0023	0.020	-	-	-
a-Chlordane	ND	0.00085	0.0010	-	-	-
g-Chlordane	ND	0.00015	0.0010	-	-	-
p,p-DDD	ND	0.00011	0.0010	-	-	-
p,p-DDE	ND	0.00018	0.0010	-	-	-
p,p-DDT	ND	0.00017	0.0010	-	-	-
Dieldrin	ND	0.00014	0.0010	-	-	-
Endosulfan I	ND	0.00011	0.0010	-	-	-
Endosulfan II	ND	0.00046	0.0010	-	-	-
Endosulfan sulfate	ND	0.00033	0.0020	-	-	-
Endrin	ND	0.00018	0.0010	-	-	-
Endrin aldehyde	ND	0.00053	0.0010	-	-	-
Endrin ketone	ND	0.00026	0.0010	-	-	-
Heptachlor	ND	0.00041	0.0010	-	-	-
Heptachlor epoxide	ND	0.00025	0.0010	-	-	-
Methoxychlor	ND	0.00012	0.0010	-	-	-
Toxaphene	ND	0.0020	0.020	-	-	-
Aroclor1016	ND	0.0019	0.020	-	-	-
Aroclor1221	ND	0.0024	0.020	-	-	-
Aroclor1232	ND	0.0038	0.020	-	-	-
Aroclor1242	ND	0.0028	0.020	-	-	-
Aroclor1248	ND	0.0018	0.020	-	-	-
Aroclor1254	ND	0.0015	0.020	-	-	-
Aroclor1260	ND	0.0028	0.020	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.035			0.05	70	60-130



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/12/2023
Date Analyzed: 09/14/2023 - 09/15/2023
Instrument: GC40
Matrix: Water
Project: Semi-Annual Sampling (September 2023)

WorkOrder: 2309638
BatchID: 277764
Extraction Method: E608.3/SW3620B
Analytical Method: E608.3
Unit: µg/L
Sample ID: MB/LCS/LCSD-277764

QC Summary Report for E608.3 w/ Florisil Clean-up

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aldrin	0.038	0.037	0.050	76	73	54-130	4.44	20
a-BHC	0.038	0.036	0.050	76	72	70-130	4.93	20
b-BHC	0.042	0.040	0.050	83	79	70-130	4.97	20
d-BHC	0.041	0.039	0.050	81	77	70-130	5.03	20
g-BHC	0.040	0.038	0.050	80	76	60-130	4.73	20
a-Chlordane	0.040	0.039	0.050	80	77	55-130	3.91	20
g-Chlordane	0.041	0.039	0.050	81	78	55-130	4.21	20
p,p-DDD	0.046	0.044	0.050	91	89	70-130	3.23	20
p,p-DDE	0.040	0.038	0.050	80	77	70-130	4.39	20
p,p-DDT	0.048	0.044	0.050	95	89	70-130	6.75	20
Dieldrin	0.045	0.043	0.050	90	86	70-130	4.56	20
Endosulfan I	0.045	0.043	0.050	90	86	70-130	4.70	20
Endosulfan II	0.043	0.040	0.050	85	80	70-130	5.74	20
Endosulfan sulfate	0.044	0.042	0.050	87	84	70-130	3.82	20
Endrin	0.054	0.051	0.050	108	103	70-130	4.59	20
Endrin aldehyde	0.036	0.035	0.050	73	70	60-130	3.21	20
Endrin ketone	0.040	0.038	0.050	80	77	60-130	3.98	20
Heptachlor	0.046	0.044	0.050	92	88	43-130	4.85	20
Heptachlor epoxide	0.042	0.040	0.050	84	80	70-130	4.89	20
Methoxychlor	0.053	0.050	0.050	105	100	70-130	4.74	20
Aroclor1016	0.14	0.15	0.15	93	99	70-130	5.78	20
Aroclor1260	0.13	0.14	0.15	88	95	70-130	7.55	20
Surrogate Recovery								
Decachlorobiphenyl	0.033	0.032	0.050	65	63	60-130	3.58	20

Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/13/2023
Date Analyzed: 09/13/2023
Instrument: GC10
Matrix: Water
Project: Semi-Annual Sampling (September 2023)

WorkOrder: 2309638
BatchID: 278023
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-278023
2309638-001BMS/MSD

QC Summary Report for E624.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acrolein (Propenal)	ND	3.7	5.0	-	-	-
Acrylonitrile	ND	0.27	2.0	-	-	-
2-Chloroethyl Vinyl Ether	ND	0.52	1.0	-	-	-
Surrogate Recovery						
Dibromofluoromethane	26			25	105	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Acrolein (Propenal)	21	18	20	106	88	71-140	18.6
Acrylonitrile	22	18	20	112	92	67-145	19.2
2-Chloroethyl Vinyl Ether	24	22	20	121	112	70-124	8.15
Surrogate Recovery							
Dibromofluoromethane	26	24	25	106	98	70-130	7.89

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD Limit
Acrolein (Propenal)	1	15	7.2	20	ND	73	36	24-149	67.7,F1
Acrylonitrile	1	19	16	20	ND	96	81	50-151	17.6
2-Chloroethyl Vinyl Ether	1	24	21	20	ND	122	107	66-140	12.9
Surrogate Recovery									
Dibromofluoromethane	1	27	24	25		106	95	70-130	10.7

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2309638
Date Prepared:	09/21/2023	BatchID:	278590
Date Analyzed:	09/21/2023	Extraction Method:	E624.1
Instrument:	GC38	Analytical Method:	E624.1
Matrix:	Water	Unit:	µg/L
Project:	Semi-Annual Sampling (September 2023)	Sample ID:	MB/LCS/LCSD-278590

QC Summary Report for E624.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Benzene	ND	0.034	0.20	-	-	-
Bromodichloromethane	ND	0.022	0.060	-	-	-
Bromoform	ND	0.10	0.50	-	-	-
Bromomethane	ND	0.26	0.50	-	-	-
Carbon tetrachloride	ND	0.033	0.050	-	-	-
Chlorobenzene	ND	0.092	0.50	-	-	-
Chloroethane	ND	0.23	0.50	-	-	-
Chloroform	0.071, J	0.015	0.10	-	-	-
Chloromethane	ND	0.18	0.50	-	-	-
Dibromochloromethane	ND	0.069	0.15	-	-	-
1,2-Dichlorobenzene	ND	0.11	0.50	-	-	-
1,3-Dichlorobenzene	ND	0.12	0.50	-	-	-
1,4-Dichlorobenzene	ND	0.11	0.50	-	-	-
1,1-Dichloroethane	ND	0.14	0.50	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.011	0.020	-	-	-
1,1-Dichloroethene	ND	0.0036	0.010	-	-	-
trans-1,2-Dichloroethane	ND	0.12	0.50	-	-	-
1,2-Dichloropropane	ND	0.029	0.20	-	-	-
cis-1,3-Dichloropropene	ND	0.13	0.50	-	-	-
trans-1,3-Dichloropropene	ND	0.20	0.50	-	-	-
Ethylbenzene	ND	0.14	0.50	-	-	-
Methylene chloride	ND	0.75	2.0	-	-	-
Styrene	ND	0.16	2.0	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.018	0.020	-	-	-
Tetrachloroethene	ND	0.028	0.20	-	-	-
Toluene	ND	0.096	0.50	-	-	-
1,1,1-Trichloroethane	ND	0.14	0.50	-	-	-
1,1,2-Trichloroethane	ND	0.026	0.20	-	-	-
Trichloroethene	ND	0.030	0.50	-	-	-
Trichlorofluoromethane	ND	0.13	0.50	-	-	-
Vinyl chloride	ND	0.0027	0.0050	-	-	-

Surrogate Recovery

Dibromofluoromethane	23	25	93	70-130
Toluene-d8	25	25	101	70-130
4-BFB	2.4	2.5	94	70-130



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2309638
Date Prepared:	09/21/2023	BatchID:	278590
Date Analyzed:	09/21/2023	Extraction Method:	E624.1
Instrument:	GC38	Analytical Method:	E624.1
Matrix:	Water	Unit:	µg/L
Project:	Semi-Annual Sampling (September 2023)	Sample ID:	MB/LCS/LCSD-278590

QC Summary Report for E624.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Benzene	3.6	3.8	4	89	96	65-130	7.96	20
Bromodichloromethane	3.2	3.4	4	79	86	60-130	8.57	20
Bromoform	3.4	3.2	4	85	81	70-130	4.50	20
Bromomethane	4.6	4.7	4	114	117	50-130	2.67	20
Carbon tetrachloride	3.5	3.8	4	89	94	70-130	6.17	20
Chlorobenzene	3.7	3.6	4	93	90	65-130	2.89	20
Chloroethane	4.0	4.4	4	100	110	60-140	9.33	20
Chloroform	3.4	3.7	4	85	92	70-130	8.08	20
Chloromethane	4.2	4.3	4	105	108	50-130	3.07	20
Dibromochloromethane	3.2	3.1	4	79	78	70-130	2.25	20
1,2-Dichlorobenzene	3.6	3.5	4	90	88	65-130	2.21	20
1,3-Dichlorobenzene	3.8	3.7	4	96	93	70-130	2.65	20
1,4-Dichlorobenzene	3.7	3.6	4	92	89	65-130	3.34	20
1,1-Dichloroethane	3.5	3.7	4	87	94	70-130	7.34	20
1,2-Dichloroethane (1,2-DCA)	3.5	3.8	4	87	94	70-130	7.54	20
1,1-Dichloroethene	3.3	3.5	4	82	88	60-130	7.05	20
trans-1,2-Dichloroethane	3.5	3.8	4	87	95	70-130	8.76	20
1,2-Dichloropropane	3.5	3.8	4	87	95	60-130	8.35	20
cis-1,3-Dichloropropene	3.5	3.4	4	88	85	60-130	3.47	20
trans-1,3-Dichloropropene	3.5	3.4	4	88	85	60-130	3.57	20
Ethylbenzene	3.4	3.3	4	85	83	60-130	1.95	20
Methylene chloride	3.4	3.7	4	85	93	60-130	9.22	20
1,1,2,2-Tetrachloroethane	3.3	3.2	4	82	81	60-130	1.92	20
Tetrachloroethane	3.7	3.6	4	93	90	70-130	2.93	20
Toluene	3.7	3.6	4	91	89	70-130	2.58	20
1,1,1-Trichloroethane	3.4	3.7	4	86	93	70-130	7.67	20
1,1,2-Trichloroethane	3.6	3.5	4	90	87	70-130	2.51	20
Trichloroethene	3.5	3.8	4	87	94	65-130	7.78	20
Trichlorofluoromethane	3.5	3.7	4	86	93	60-130	7.10	20
Vinyl chloride	2.1	2.3	2	106	114	60-130	7.91	20
Surrogate Recovery								
Dibromofluoromethane	23	25	25	91	101	70-130	9.72	20
Toluene-d8	26	25	25	103	101	70-130	1.15	20
4-BFB	2.4	2.4	2.5	98	95	70-130	2.54	20





Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/13/2023
Date Analyzed: 09/13/2023
Instrument: GC17
Matrix: Water
Project: Semi-Annual Sampling (September 2023)

WorkOrder: 2309638
BatchID: 277889
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-277889

QC Summary Report for E625.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acenaphthene	ND	0.0029	0.0050	-	-	-
Acenaphthylene	ND	0.0018	0.0050	-	-	-
Anthracene	ND	0.0020	0.0050	-	-	-
Benzidine	ND	2.7	5.0	-	-	-
Benzo (a) anthracene	ND	0.020	0.050	-	-	-
Benzo (a) pyrene	ND	0.0050	0.0050	-	-	-
Benzo (b) fluoranthene	ND	0.0053	0.010	-	-	-
Benzo (g,h,i) perylene	ND	0.0039	0.010	-	-	-
Benzo (k) fluoranthene	ND	0.0050	0.010	-	-	-
Benzyl Alcohol	ND	1.9	5.0	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.51	1.0	-	-	-
Bis (2-chloroethyl) Ether	ND	0.0050	0.0050	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.0049	0.010	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.79	1.0	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	0.13	0.25	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.29	1.0	-	-	-
Butylbenzyl Phthalate	ND	0.081	0.25	-	-	-
4-Chloroaniline	ND	0.0020	0.0050	-	-	-
4-Chloro-3-methylphenol	ND	0.59	1.0	-	-	-
2-Chloronaphthalene	ND	0.56	1.0	-	-	-
2-Chlorophenol	ND	0.036	0.050	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.49	1.0	-	-	-
Carbazole	ND	0.42	1.0	-	-	-
Chrysene	ND	0.0027	0.0050	-	-	-
Dibenzo (a,h) anthracene	ND	0.0052	0.010	-	-	-
n-Decane	ND	0.69	1.0	-	-	-
Dibenzofuran	ND	0.0014	0.0050	-	-	-
Di-n-butyl Phthalate	0.093,J	0.078	0.25	-	-	-
1,2-Dichlorobenzene	ND	0.53	1.0	-	-	-
1,3-Dichlorobenzene	ND	0.59	1.0	-	-	-
1,4-Dichlorobenzene	ND	0.44	1.0	-	-	-
3,3'-Dichlorobenzidine	ND	0.0062	0.010	-	-	-
2,4-Dichlorophenol	ND	0.0056	0.010	-	-	-
Diethyl Phthalate	ND	0.021	0.050	-	-	-
2,4-Dimethylphenol	ND	0.53	1.0	-	-	-
Dimethyl Phthalate	ND	0.0059	0.010	-	-	-
4,6-Dinitro-2-methylphenol	ND	3.7	5.0	-	-	-
2,4-Dinitrophenol	ND	0.68	1.0	-	-	-

(Cont.)



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/13/2023
Date Analyzed: 09/13/2023
Instrument: GC17
Matrix: Water
Project: Semi-Annual Sampling (September 2023)

WorkOrder: 2309638
BatchID: 277889
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-277889

QC Summary Report for E625.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
2,4-Dinitrotoluene	ND	0.027	0.050	-	-	-
2,6-Dinitrotoluene	ND	0.030	0.050	-	-	-
Di-n-octyl Phthalate	ND	1.2	2.5	-	-	-
1,2-Diphenylhydrazine	ND	0.42	1.0	-	-	-
Fluoranthene	ND	0.0038	0.010	-	-	-
Fluorene	ND	0.0018	0.010	-	-	-
Hexachlorobenzene	ND	0.0017	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0011	0.0050	-	-	-
Hexachlorocyclopentadiene	ND	2.3	5.0	-	-	-
Hexachloroethane	ND	0.0034	0.010	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0070	0.010	-	-	-
1-Methylnaphthalene	ND	0.0021	0.0050	-	-	-
Isophorone	ND	0.45	1.0	-	-	-
2-Methylnaphthalene	ND	0.0022	0.0050	-	-	-
2-Methylphenol (o-Cresol)	ND	0.63	1.0	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.70	1.0	-	-	-
Naphthalene	ND	0.0063	0.010	-	-	-
2-Nitroaniline	ND	3.0	5.0	-	-	-
3-Nitroaniline	ND	3.9	5.0	-	-	-
4-Nitroaniline	ND	2.4	5.0	-	-	-
Nitrobenzene	ND	0.61	1.0	-	-	-
2-Nitrophenol	ND	3.0	5.0	-	-	-
4-Nitrophenol	ND	3.6	5.0	-	-	-
N-Nitrosodimethylamine	ND	3.6	5.0	-	-	-
N-Nitrosodiphenylamine	ND	0.36	1.0	-	-	-
N-Nitrosodi-n-propylamine	ND	0.60	1.0	-	-	-
n-Octadecane	ND	0.54	1.0	-	-	-
Pentachlorophenol	ND	0.16	0.25	-	-	-
Phenanthrene	ND	0.0036	0.0050	-	-	-
Phenol	ND	0.019	0.040	-	-	-
Pyrene	ND	0.0028	0.0050	-	-	-
Pyridine	ND	0.89	1.0	-	-	-
1,2,4-Trichlorobenzene	ND	0.52	1.0	-	-	-
2,4,5-Trichlorophenol	ND	0.0064	0.010	-	-	-
2,4,6-Trichlorophenol	ND	0.0053	0.010	-	-	-

(Cont.)

Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/13/2023
Date Analyzed: 09/13/2023
Instrument: GC17
Matrix: Water
Project: Semi-Annual Sampling (September 2023)
Sample ID: MB/LCS/LCSD-277889
Unit: µg/L
Extraction Method: E625.1
Analytical Method: E625.1

QC Summary Report for E625.1

Analyte	MB Result	MDL	RL	SPK Val	MB \$S %REC	MB \$S Limits
2-Fluorophenol	2.1			5	42	20-103
Phenol-d5	1.4			5	28	20-120
Nitrobenzene-d5	3.0			5	59, F3	61-130
2-Fluorobiphenyl	2.6			5	52, F3	63-115
2,4,6-Tribromophenol	3.3			5	67	48-149
4-Terphenyl-d14	4.9			5	97	32-113

Surrogate Recovery



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2309638
Date Prepared:	09/13/2023	BatchID:	277889
Date Analyzed:	09/13/2023	Extraction Method:	E625.1
Instrument:	GC17	Analytical Method:	E625.1
Matrix:	Water	Unit:	µg/L
Project:	Semi-Annual Sampling (September 2023)	Sample ID:	MB/LCS/LCSD-277889

QC Summary Report for E625.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Acenaphthene	0.20	0.20	0.25	79	80	60-132	1.06
Acenaphthylene	0.19	0.20	0.25	76	79	54-126	3.62
Anthracene	0.22	0.24	0.25	86	96	60-130	10.7
Benzidine	12	14	25	48	56	20-130	14.8
Benzo (a) anthracene	0.24	0.27	0.25	95	107	60-130	11.9
Benzo (a) pyrene	0.23	0.26	0.25	91	104	60-130	13.4
Benzo (b) fluoranthene	0.22	0.26	0.25	89	103	60-130	14.5
Benzo (g,h,i) perylene	0.21	0.25	0.25	84	98	50-130	16.1
Benzo (k) fluoranthene	0.28	0.31	0.25	112	126	60-130	11.5
Benzyl Alcohol	14	14	25	58,F5	57,F5	60-130	1.19
Bis (2-chloroethoxy) Methane	3.7	3.7	5	74	74	65-130	0.117
Bis (2-chloroethyl) Ether	0.18	0.17	0.25	70	67	60-130	4.41
Bis (2-chloroisopropyl) Ether	0.17	0.17	0.25	70	67	63-139	3.56
Bis (2-ethylhexyl) Adipate	4.9	5.4	5	97	108	60-130	10.6
Bis (2-ethylhexyl) Phthalate	0.34	0.39	0.25	136,F5	156,F5	60-130	13.1
4-Bromophenyl Phenyl Ether	4.2	4.5	5	84	90	65-120	7.25
Butylbenzyl Phthalate	0.29	0.33	0.25	116	133	60-140	14.2
4-Chloroaniline	0.18	0.19	0.25	73	75	60-130	3.45
4-Chloro-3-methylphenol	4.1	4.5	5	82	89	65-130	8.21
2-Chloronaphthalene	3.7	3.7	5	73	74	65-120	0.695
2-Chlorophenol	0.16	0.16	0.25	66	64	60-130	2.57
4-Chlorophenyl Phenyl Ether	4.2	4.5	5	84	90	65-130	6.92
Carbazole	4.8	5.5	5	97	109	70-130	12.4
Chrysene	0.23	0.25	0.25	92	102	70-130	10.0
Dibenzo (a,h) anthracene	0.20	0.23	0.25	79	91	50-130	14.4
n-Decane	2.4	2.3	5	49	46	30-130	5.85
Dibenzofuran	0.20	0.21	0.25	80	84	65-130	4.33
Di-n-butyl Phthalate	0.30	0.34	0.25	121	136,F5	60-130	11.6
1,2-Dichlorobenzene	3.3	3.1	5	65	63	60-130	3.48
1,3-Dichlorobenzene	3.2	3.1	5	64	61	60-130	4.64
1,4-Dichlorobenzene	3.2	3.0	5	63	60	60-130	5.28
3,3'-Dichlorobenzidine	0.20	0.24	0.25	81	94	60-130	14.6
2,4-Dichlorophenol	0.18	0.18	0.25	71	72	53-122	1.87
Diethyl Phthalate	0.23	0.25	0.25	93	99	65-130	6.32
2,4-Dimethylphenol	3.3	3.7	5	67	75	60-130	11.5
Dimethyl Phthalate	0.21	0.21	0.25	83	84	60-130	1.50
4,6-Dinitro-2-methylphenol	19	23	25	78	91	60-130	15.5
2,4-Dinitrophenol	2.9	3.6	5	58	73	50-130	23.0

(Cont.)



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/13/2023
Date Analyzed: 09/13/2023
Instrument: GC17
Matrix: Water
Project: Semi-Annual Sampling (September 2023)

WorkOrder: 2309638
BatchID: 277889
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-277889

QC Summary Report for E625.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
2,4-Dinitrotoluene	0.22	0.25	0.25	87	99	70-130	12.5	25
2,6-Dinitrotoluene	0.21	0.23	0.25	84	90	68-137	7.39	25
Di-n-octyl Phthalate	5.2	5.8	5	104	116	70-130	10.8	25
1,2-Diphenylhydrazine	3.9	4.1	5	77	82	65-130	6.38	25
Fluoranthene	0.26	0.30	0.25	103	119	65-130	14.9	25
Fluorene	0.22	0.24	0.25	89	96	70-120	7.98	25
Hexachlorobenzene	0.20	0.22	0.25	81	87	60-130	7.02	25
Hexachlorobutadiene	0.18	0.17	0.25	71	68	68-130	4.99	25
Hexachlorocyclopentadiene	13	13	25	52	51	50-130	1.67	25
Hexachloroethane	0.16	0.16	0.25	64	62	55-120	2.62	25
Indeno (1,2,3-cd) pyrene	0.20	0.24	0.25	82	97	50-130	16.8	25
1-Methylnaphthalene	0.19	0.20	0.25	77	80	65-130	2.79	25
Isophorone	3.8	3.8	5	75	75	52-130	0.0453	25
2-Methylnaphthalene	0.20	0.20	0.25	78	80	60-130	2.59	25
2-Methylphenol (o-Cresol)	3.6	3.5	5	71	69	60-130	2.65	25
3 & 4-Methylphenol (m,p-Cresol)	3.0	3.2	5	60	64	60-130	7.25	25
Naphthalene	0.17	0.20	0.25	69,F5	82	70-130	17.0	25
2-Nitroaniline	20	22	25	80	88	65-130	9.75	25
3-Nitroaniline	25	29	25	99	117	70-140	16.0	25
4-Nitroaniline	24	28	25	97	113	70-130	15.7	25
Nitrobenzene	3.7	3.6	5	74	73	60-130	1.94	25
2-Nitrophenol	19	20	25	78	78	70-130	1.13	25
4-Nitrophenol	9.3	11	25	37	45	30-130	19.5	25
N-Nitrosodimethylamine	9.9	9.6	25	40	38	30-130	2.65	25
N-Nitrosodiphenylamine	4.3	4.6	5	85	92	65-130	7.91	25
N-Nitrosodi-n-propylamine	3.4	3.3	5	67	66	59-130	2.44	25
n-Octadecane	4.1	4.2	5	81	83	60-130	2.24	25
Pentachlorophenol	0.89	1.0	1.25	71	82	60-130	14.9	25
Phenanthrene	0.21	0.23	0.25	85	92	65-120	8.53	25
Phenol	0.32	0.33	1	32,F5	33,F5	48-120	1.67	25
Pyrene	0.25	0.28	0.25	101	110	70-120	9.28	25
Pyridine	1.4	1.2	5	29,F5	24,F5	30-130	20.0	25
1,2,4-Trichlorobenzene	3.4	3.3	5	68	65	57-130	4.33	25
2,4,5-Trichlorophenol	0.20	0.21	0.25	78	85	65-130	8.34	25
2,4,6-Trichlorophenol	0.20	0.21	0.25	81	84	69-130	3.96	25

(Cont.)

Quality Control Report

Client: PG&E Gateway Generating Station

Date Prepared: 09/13/2023

Date Analyzed: 09/13/2023

Instrument: GC17

Matrix:

Project: Semi-Annual Sampling (September 2023)

Sample ID:

[illegible]

Analytical Method: E625.1

BatchID: 277889

2309638

MB/LCS/LCSD-277889

Analyte	LCS	LCSD	SPK	LCS	%REC	LCSD	%REC	LCS/LCSD	RPD	RPD	Limit
2-Fluorophenol	1.9	2.0	5	39	40	20-108	3.38	25			
Phenol-d5	1.4	1.5	5	28	29	20-120	2.67	25			
Nitrobenzene-d5	3.1	3.1	5	63	62	61-130	1.00	25			
2-Fluorobiphenyl	3.0	2.9	5	60,F3	57,F3	63-115	4.00	25			
2,4,6-Tribromophenol	3.9	4.2	5	79	84	48-149	6.67	25			
4-Terphenyl-d14	5.2	5.6	5					25			

QC Summary Report for E625.1



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2309638

ClientCode: PGEA

☐ WaterTrax
 ☐ CLIP
 ☐ EDF
 ☐ EQuIS
 ☐ Dry-Weight
 ☒ Email
 ☐ HardCopy
 ☐ ThirdParty
 ☒ -flag
☒ Detection Summary
 ☐ Excel

Report to:

Angel Espiritu
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509
(925) 459-7212 FAX:

Email: abe4@pge.com
cc/3rd Party: tiwy@pge.com; msfg@pge.com;
PO:
Project: Semi-Annual Sampling (September 2023)

Bill to:

Angel Espiritu
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509

Requested TAT: 5 days;

Date Received: 09/12/2023

Date Logged: 09/12/2023

Lab ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2309638-001	E-001	Water	9/12/2023 11:35	<input type="checkbox"/>	D	A	B	C	A							

Test Legend:

1	608_W
5	PRDisposal Fee
9	

2	624_W
6	
10	

3	624ACR+2CEVE_W
7	
11	

4	625_SCSM_W
8	
12	

Prepared by: Adrianna Cardoza

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Semi-Annual Sampling (September 2023)

Work Order: 2309638

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 9/12/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQUIS ☐ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001	Water	E624.1 (VOCs) <1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2-Dichlorobenzene, 1,2-Dichloroethane (1,2-DCA), 1,2-Dichloropropane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Benzene, Bromodichloromethane, Bromoform, Bromomethane, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, cis-1,3-Dichloropropene, Dibromochloromethane, Ethylbenzene, Methylene chloride, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene, Trichlorofluoromethane, Vinyl chloride>	2	VOA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 11:35	5 days	9/19/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>
001B	E-001	Water	E624.1 (ACRO, ACRY, & 2-CEVE) <2-Chloroethyl Vinyl Ether, Acrolein (Propenal), Acrylonitrile>	2	VOA, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 11:35	5 days	9/19/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Semi-Annual Sampling (September 2023)

Work Order: 2309638

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 9/12/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQUIS ☒ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001C	E-001	Water	E625.1 (SVOCs) <1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Diphenylhydrazine, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Nitrophenol, 3,3-Dichlorobenzidine, 4,6-Dinitro-2-methylphenol, 4-Bromophenyl Phenyl Ether, 4-Chloro-3-methylphenol, 4-Chlorophenyl Phenyl Ether, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Anthracene, Benzidine, Benzo (a) anthracene, Benzo (a) pyrene, Benzo (b) fluoranthene, Benzo (g,h,i) perylene, Benzo (k) fluoranthene, Bis (2-chloroethoxy) Methane, Bis (2-chloroethyl) Ether, Bis (2-chloroisopropyl) Ether, Bis (2-ethylhexyl) Phthalate, Butylbenzyl Phthalate, Chrysene, Dibenzo (a,h)	1	1LA Narrow Mouth, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 11:35	5 days	9/19/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

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WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Client Contact: Angel Espiritu

Contact's Email: abe4@pge.com

Project: Semi-Annual Sampling (September 2023)

Comments:

Work Order: 2309638

QC Level: LEVEL 2

Date Logged: 9/12/2023

☐ WaterTrax

☐ CLIP

☐ EDF

☐ Excel

☐ EQUIS

☐ Email

☐ HardCopy

☐ ThirdParty

☒ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
			anthracene, Diethyl Phthalate, Dimethyl Phthalate, Di-n-butyl Phthalate, Di-n- octyl Phthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno (1,2,3-cd) pyrene, Isophorone, Naphthalene, Nitrobenzene, N-Nitrosodimethylamine, N-Nitrosodi-n-propylamine, N- Nitrosodiphenylamine, Pentachlorophenol, Phenanthrene, Phenol, Pyrene>											

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Semi-Annual Sampling (September 2023)

Work Order: 2309638

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 9/12/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQUIS ☐ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001D	E-001	Water	E608.3 (OC Pesticides+PCBs w/ Florisil Clean-up) <a-BHC_1, a-Chlordane_1, Aldrin_1, Aroclor1016_1, Aroclor1221_1, Aroclor1232_1, Aroclor1242_1, Aroclor1248_1, Aroclor1254_1, Aroclor1260_1, b- BHC_1, Chlordane (Technical)_1, d- BHC_1, Dieldrin_1, Endosulfan I_1, Endosulfan II_1, Endosulfan sulfate_1, Endrin aldehyde_1, Endrin_1, g- BHC_1, Heptachlor epoxide_1, Heptachlor_1, p,p-DDD_1, p,p-DDE_1, p,p-DDT_1, PCBs, total_1, Toxaphene_1>	1	1LA Narrow Mouth, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 11:35	5 days	9/19/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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* APPENDIX A

District Local Discharge Limits include a parameter called Total Toxic Organics (TTO). The required analytical methods for TTO analysis are listed in 40 CFR Part 136 and include the following EPA methods: 624, 625, 608, and 1613, respectively. Unless specifically required, EPA method 1613 for dioxins is not mandatory for routine TTO analysis. The constituents with concentrations greater than the minimum limit/reporting limit must be added together to determine compliance with the District's Local Discharge Limit for TTO of 2.0 mg/L. The following is a list of the constituents of TTO:

EPA Method 624 Compounds

Acrolein
Acrylonitrile
Benzene
Bromodichloromethane (Dichlorobromomethane)
Bromform
Bromomethane (Methyl Bromide)
Carbon tetrachloride (Tetrachloromethane)
Chlorobenzene
Chloroethane (Ethyl Chloride)
2-Chloroethyl vinyl ether
Chloroform (trichloromethane)
Chloromethane (Methyl Chloride)
Dibromochloromethane (Chlorodibromomethane)
1, 2-Dichlorobenzene
1, 3-Dichlorobenzene
1, 4-Dichlorobenzene
1, 1-Dichloroethane
1, 2-Dichloroethane
1, 1-Dichloroethene (1, 1-dichloroethylene)
trans-1, 2-Dichloroethene
1, 2-Dichloropropane
cis-1, 3-Dichloropropene
trans-1, 3-Dichloropropene
Ethylbenzene
Methylene Chloride (Dichloromethane)
1, 1, 2, 2-Tetrachloroethane
Tetrachloroethene (PCE)
Toluene
1, 1, 1-Trichloroethane
1, 1, 2-Trichloroethane
Trichloroethene (TCE)
Trichlorofluoromethane
Vinyl chloride (Chloroethylene)

EPA Method 625 Compounds

Acenaphthene
Acenaphthylene
Anthracene
Benzidine
Benzo (a) anthracene
Benzo (a) pyrene
Benzo (b) fluoranthene
Benzo (g, h, i) perylene
Benzo (k) fluoranthene
Benzyl butyl phthalate
bis (2-Chloroethoxy) methane
bis (2-Chloroethyl) ether
bis (2-Chloroisopropyl) ether
bis (2-Ethylhexyl) phthalate
4-Bromophenyl phenyl ether
4-Chloro-3-methylphenol
2-Chloronaphthalene
2-Chlorophenyl
4-Chlorophenyl phenyl ether
Chrysene
Dibenzo (a, h) anthracene
1, 2-Dichlorobenzene
1, 3-Dichlorobenzene
1, 4-Dichlorobenzene
3, 3'-Dichlorobenzidine

2, 4-Dichlorophenol
Diethyl phthalate
2,4-Dimethylphenol
Dimethylphthalate
Di-n-butylphthalate
2, 4-Dinitrophenol
2, 4-Dinitrotoluene
2, 6-Dinitrotoluene
Di-n-octylphthalate
1,2-Diphenylhydrazine/Azo
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno (1, 2, 3-cd) pyrene
Isophorone
2-Methyl-4, 6-dinitrophenol
Naphthalene
Nitrobenzene
2-Nitrophenol
4-Nitrophenol
N-Nitrosodimethylamine
N-Nitroso-di-n-propylamine
N-Nitrosodiphenylamine
Pentachlorophenol
Phenanthrene
Phenol
Pyrene
1, 2, 4-Trichlorobenzene
2, 4, 6-Trichlorophenol

EPA Method 608 Compounds

Aldrin
alpha-BHC
beta-BHC
delta-BHC
gamma-BHC (Lindane)
Chlordane
4, 4'-DDD
4, 4'-DDE
4,4-DDT
Dieldrin
Endosulfan I
Endosulfan II
Endosulfan sulfate
Endrin
Endrin aldehyde
Heptachlor
Heptachlor epoxide
PCB 1016
PCB 1221
PCB 1232
PCB 1242
PCB 1248
PCB 1254
PCB 1260
Toxaphene

X *Nate Apr*
Date: 9/12/23



Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station
Project: Semi-Annual Sampling (September 2023)

Date and Time Received: 9/12/2023 13:45

Date Logged: 9/12/2023

Received by: Valerie Alfaro

Logged by: Adrianna Cardoza

WorkOrder No: 2309638 Matrix: Water

Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 2.7°C	NA <input type="checkbox"/>
-------------------------------	-------------	-----------------------------

ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
--	---	-----------------------------	-----------------------------

Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
---	---	-----------------------------	--

pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
--	------------------------------	-----------------------------	--

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
--	------------------------------	-----------------------------	--

Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
--	------------------------------	-----------------------------	--

Comments:



**Pacific Gas and
Electric Company®**

Mailing Address:
Pacific Gas & Electric Company
Gateway Generating Station
3225 Wilbur Ave.
Antioch, CA 94509
(925) 522-7801

January 11, 2024

Mr. Jason Yun
Delta Diablo Sanitation District (DD)
2500 Pittsburg-Antioch Hwy.
Antioch, CA 94509-1373

Reference: Pacific Gas and Electric Company - Gateway Generating Station
DD Industrial Wastewater Discharge Permit
Permit Number: 0208841-C

Subject: Quarterly Self-Monitoring Report
(For Period Ending December 31, 2023)

Dear Mr. Yun,

Attached is the Quarterly Self-Monitoring Report (SMR) for Pacific Gas and Electric Company - Gateway Generating Station (GGS) for the period ending December 31, 2023, as required under DD Industrial Wastewater Discharge Permit Number 0208841-C.

Included in the report are: Certification Statement, Industrial User Compliance Report, Industrial Monitoring Report Summary, Discharge Flow Data, WSAC Operating Months Report, Cycles of Concentration, and Copy of Laboratory Results.

If you have any questions about this report, please feel free to contact Angel Espiritu at 925-522-7838, 510-861-1597, or at abe4@pge.com. Thank you.

Sincerely,

Tim Wisdom

Tim Wisdom
Senior Plant Manager

Attachment: a/s



Pacific Gas and Electric Company
Gateway Generating Station

Quarterly Self-Monitoring Report

For the reporting period ending in December 31, 2023

This report is to comply with the requirement of the Industrial Wastewater Discharge Permit issued by the Delta Diablo Sanitation District (DD) to Gateway Generating Station (GGS) under Permit No. 02088441-C with expiration date of February 28, 2027.

The report includes the following attachments:

- | | |
|---------------|--------------------------------------|
| Attachment 1: | Certification Statement |
| Attachment 2: | Industrial User Compliance Report |
| Attachment 3: | Industrial Monitoring Report Summary |
| Attachment 4: | Discharge Flow Data |
| Attachment 5: | Monthly Flow Data |
| Attachment 6: | WSAC Operating Hours Report |
| Attachment 7: | Cycles of Concentration |
| Attachment 8: | Laboratory Results |

Attachment 1
Certification Statement

Certification Statement

Name of Business: PG&E Gateway Generating Station
Address: 3225 Wilbur Avenue, Antioch, CA. 94509
Phone: 925-522-7805
Period Covered: Period ending: December 31, 2023

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: (The original copy submitted to DDSD was signed by Tim)

Date: _____

Print Name: Tim Wisdom

Attachment 2
Industrial User Compliance Report

Industrial User Compliance Report Form

Attn: Jason Yun

Fax # (925)756-1961

From: Tim Wisdom

Company: Pacific Gas and Electric Company – Gateway Generating Station

Period Covered: Period ending December 31, 2023

Pretreatment

Phone: (925)756-1929

Industrial User Checklist for self –monitoring reports, as specified by the wastewater discharge permit issued by Delta Diablo Sanitation District:

Self-monitoring reports

- ☒ Flow discharge summary (Discharge Permit Section E.1.h.) (See Attachment 4)
- ☐ Calibration of flow meters, as required. (Section E.1.g.) (See Attachment 9)
- ☒ Monitoring results- All required tests completed, results reviewed, results included, QA/QC, chain of custody (section F.7.) (See Attachment 8)
- ☒ Certification statement included (See Attachment 1)

Violations (if applicable)

- ☐ All wastewater discharge exceedance are reported during this reporting period
- ☐ Delta Diablo was contacted. (See Additional Notes below)
- ☐ A follow-up report on characterization re-sampling was submitted on
- ☐ Corrective actions to resolve violation:
- ☐ Other violations - i.e. Reporting, spills to sewer, or prohibited discharges

Additional Notes:

None

Significant changes

Anticipated changes that may alter the nature, quality, or volume of the wastewater discharged. Planned changes shall be submitted at least 90-days prior to implementation and shall include a detailed description of this change. (None)

Attachment 3
Industrial Monitoring Report Summary

INDUSTRIAL MONITORING REPORT SUMMARY (Combined Site Flow: FAC - Control Manhole Local Limits: E-001)

IU NAME : PG&E Gateway Generating Station
 ADDRESS: 3225 Wilbur Avenue
 CITY : Antioch

ID #: 0208841-C
 TYPE: Power Generation Plant

SIC: 4911

DATE	12/4/2023	12/5/2023	12/5/2023					
TYPE	G	G	C24					
STATION	E-001	E-001	E-001					
SMP.BY	Muskan	Muskan	Muskan					
PURPOSE	Compliance Quarterly (Q4)	Compliance Quarterly (Q4)	Compliance Quarterly (Q4)					

Units: mg/L

PARAMETERS	LIMITS							
FLOW, DAILY (gal)	51,120							
FLOW, MONTH (gal)								
pH	6-10 s.u.	8.95						
BOD				ND(<2.0)				
COD				36.0				
TDS				244.0				
TSS				1.6				
Arsenic	0.15			0.00034				
Cadmium	0.1			ND(<0.00005)				
Chromium	0.5			0.00029				
Copper	0.5			0.0050				
Iron				0.130				
Lead	0.5			ND(<0.00019)				
Mercury	0.003			ND(<0.00013)				
Molybdenum				0.023				
Nickel	0.5			0.00120				
Selenium	0.25			ND(<0.00018)				
Silver	0.2			ND(<0.000051)				
Zinc	1.00			0.030				
Cyanide	0.2		0.024					
Phenol	1.00		ND(<0.0015)					
Ammonia	200		96					
O&G Petro/Min (E1664A w/ Silica)	100	ND(<1.0)	ND(<1.1)					
O&G Animal/Vegetable Oil	300	ND(<2.4)	ND(<2.4)					
TTO EPA 608								
TTO EPA 624								
TTO EPA 625								
TTO	2.00							
Sulfide								
Sulfate								

Comments: ND = Non-Detect, NSD = No Structures Detected, MFL = Millions of Fibers per Liter

In accordance with Footnote 2 of the table located in Section (D)(1) of the permit, PG&E is reporting the Oil & Grease (O&G) as follows: Petroleum/Mineral includes the silica gel (i.e. SGT-HEM) and Animal/Vegetable does not include silica gel

Attachment 4
Discharge Flow Data

PG&E Gateway Generating Station

Discharge Flow Data

October 2023-December 2023

Date	Industrial Flow				Sanitary Flow				Site Total (Gallons)
	Instantaneous Flow (GPM)	Time Over 35.5 GPM (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	Instantaneous Flow (GPM)	Time Meter went Bad Quality (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	
10/1/2023	34.5	0.0	NO	39,646	0.0	0	NO		39,646
10/2/2023	34.5	0.0	NO	13,933	26.3	0	NO	378	14,311
10/3/2023	34.6	0.0	NO	14,419	0.1	0	NO		14,419
10/4/2023	34.8	0.0	NO	17,060	26.5	0	NO	379	17,439
10/5/2023	35.1	0.0	NO	19,854	0.0	0	NO		19,854
10/6/2023	34.6	0.0	NO	23,598	0.0	0	NO		23,598
10/7/2023	34.9	0.0	NO	21,467	0.0	0	NO		21,467
10/8/2023	34.8	0.0	NO	18,454	0.0	2	NO		18,454
10/9/2023	34.7	0.0	NO	26,271	26.7	0	NO	394	26,665
10/10/2023	34.8	0.0	NO	29,828	0.0	0	NO	394	30,223
10/11/2023	34.5	0.0	NO	7,280	26.1	0	NO	382	7,662
10/12/2023	34.9	0.0	NO	21,021	0.0	0	NO		21,021
10/13/2023	34.7	0.0	NO	24,412	26.6	0	NO	390	24,802
10/14/2023	34.5	0.0	NO	36,408	0.0	0	NO		36,408
10/15/2023	34.6	0.0	NO	14,973	0.0	0	NO		14,973
10/16/2023	34.7	0.0	NO	22,367	0.0	0	NO		22,367
10/17/2023	35.0	0.0	NO	10,511	26.3	0	NO	382	10,893
10/18/2023	34.6	0.0	NO	26,956	26.0	0	NO	386	27,342
10/19/2023	34.7	0.0	NO	15,110	0.1	0	NO		15,110
10/20/2023	34.7	0.0	NO	24,059	25.5	0	NO	385	24,443
10/21/2023	34.7	0.0	NO	22,404	0.0	0	NO		22,404
10/22/2023	34.7	0.0	NO	22,115	0.0	0	NO		22,115
10/23/2023	34.6	0.0	NO	14,433	25.4	0	NO	369	14,802
10/24/2023	34.9	0.0	NO	31,312	0.0	0	NO		31,312
10/25/2023	34.6	0.0	NO	28,783	25.2	0	NO	384	29,167
10/26/2023	35.0	0.0	NO	13,868	0.0	0	NO		13,868
10/27/2023	34.7	0.0	NO	32,301	27.0	0	NO	416	32,717
10/28/2023	34.8	0.0	NO	24,737	0.0	0	NO		24,737
10/29/2023	34.9	0.0	NO	26,100	0.0	0	NO		26,100
10/30/2023	34.8	0.0	NO	11,665	26.8	0	NO	393	12,058
10/31/2023	34.7	0.0	NO	36,802	0.1	0	NO		36,802

Max Daily Flow (Limit: 51,120):

39,646

Monthly Total:

697,180

11/1/2023	34.8	0.0	NO	17,610	26.5	0	NO	405	18,015
11/2/2023	34.9	0.0	NO	14,331	0.1	0	NO		14,331
11/3/2023	34.8	0.0	NO	6,753	25.5	0	NO	408	7,160
11/4/2023	34.9	0.0	NO	21,172	0.0	0	NO		21,172
11/5/2023	34.9	0.0	NO	19,283	0.0	0	NO		19,283
11/6/2023	34.8	0.0	NO	19,727	25.6	0	NO	396	20,123
11/7/2023	34.6	0.0	NO	29,611	26.0	0	NO	373	29,985
11/8/2023	34.5	0.0	NO	6,487	0.1	0	NO		6,487
11/9/2023	34.8	0.0	NO	31,087	26.5	0	NO	400	31,487
11/10/2023	34.5	0.0	NO	49,010	0.0	0	NO	400	49,410
11/11/2023	34.6	0.0	NO	18,101	0.0	0	NO		18,101
11/12/2023	34.7	0.0	NO	26,147	26.7	0	NO	409	26,556
11/13/2023	34.3	0.0	NO	8,628	0.0	0	NO		8,628
11/14/2023	34.9	0.0	NO	26,348	26.8	0	NO	390	26,738
11/15/2023	34.5	0.0	NO	23,855	0.0	0	NO		23,855
11/16/2023	34.7	0.0	NO	14,174	26.4	0	NO	385	14,559
11/17/2023	34.6	0.0	NO	33,992	0.0	0	NO		33,992
11/18/2023	34.5	0.0	NO	36,512	0.0	0	NO		36,512
11/19/2023	34.4	0.0	NO	30,669	27.1	0	NO	388	31,057
11/20/2023	34.4	0.0	NO	22,361	0.0	0	NO		22,361

Public

PG&E Gateway Generating Station

Discharge Flow Data

October 2023-December 2023

Date	Industrial Flow				Sanitary Flow				Site Total (Gallons)
	Instantaneous Flow (GPM)	Time Over 35.5 GPM (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	Instantaneous Flow (GPM)	Time Meter went Bad Quality (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	
11/21/2023	34.9	0.0	NO	17,800	0.0	0	NO		17,800
11/22/2023	34.8	0.0	NO	27,219	26.7	0	NO	407	27,627
11/23/2023	34.5	0.0	NO	25,719	0.0	0	NO		25,719
11/24/2023	34.8	0.0	NO	23,284	0.0	0	NO		23,284
11/25/2023	34.7	0.0	NO	6,763	27.1	0	NO	378	7,141
11/26/2023	34.8	0.0	NO	38,158	0.1	0	NO		38,158
11/27/2023	34.9	0.0	NO	18,188	0.0	0	NO		18,188
11/28/2023	34.7	0.0	NO	10,302	26.3	0	NO	379	10,682
11/29/2023	34.7	0.0	NO	20,591	0.1	0	NO		20,591
11/30/2023	34.5	0.0	NO	18,319	26.4	0	NO	383	18,702

Max Daily Flow (Limit: 51,120): 49,410

Monthly Total: 667,704

12/1/2023	34.5	0.0	NO	8,887	0.1	0	NO		8,887
12/2/2023	15.4	0.0	NO	12,228	25.5	0	NO	363	12,591
12/3/2023	30.4	0.0	NO	20,246	0.0	0	NO		20,246
12/4/2023	34.3	0.0	NO	29,504	0.0	0	NO		29,504
12/5/2023	34.5	0.0	NO	37,039	23.8	0	NO	369	37,408
12/6/2023	34.7	0.0	NO	19,495	0.0	0	NO		19,495
12/7/2023	34.8	0.0	NO	14,385	26.2	0	NO	379	14,764
12/8/2023	35.8	1.0	NO	17,907	0.0	0	NO		17,907
12/9/2023	34.8	0.0	NO	25,190	0.0	0	NO		25,190
12/10/2023	34.8	0.0	NO	22,654	26.4	0	NO		22,654
12/11/2023	34.7	0.0	NO	16,204	0.1	0	NO		16,204
12/12/2023	34.6	0.0	NO	27,664	26.2	0	NO	381	28,045
12/13/2023	34.8	0.0	NO	10,656	0.0	0	NO		10,656
12/14/2023	34.5	0.0	NO	7,642	0.1	0	NO		7,642
12/15/2023	34.7	0.0	NO	11,799	26.0	0	NO	358	12,157
12/16/2023	34.8	0.0	NO	8,076	0.0	0	NO		8,076
12/17/2023	34.6	0.0	NO	6,661	0.0	0	NO		6,661
12/18/2023	34.8	0.0	NO	6,714	0.0	0	NO		6,714
12/19/2023	34.4	0.0	NO	39,164	26.2	0	NO	370	39,534
12/20/2023	34.4	0.0	NO	17,826	0.0	0	NO		17,826
12/21/2023	34.5	0.0	NO	27,669	0.0	0	NO		27,669
12/22/2023	34.5	0.0	NO	31,901	26.5	0	NO	384	32,285
12/23/2023	34.7	0.0	NO	16,761	0.0	0	NO		16,761
12/24/2023	37.4	1.0	NO	22,715	0.0	0	NO		22,715
12/25/2023	34.5	0.0	NO	27,346	0.0	0	NO		27,346
12/26/2023	34.5	0.0	NO	17,440	26.2	0	NO	383	17,823
12/27/2023	34.4	0.0	NO	14,424	0.0	0	NO		14,424
12/28/2023	34.3	0.0	NO	6,741	25.9	0	NO	368	7,109
12/29/2023	34.5	0.0	NO	20,642	0.0	0	NO		20,642
12/30/2023	34.4	0.0	NO	22,135	0.0	0	NO		22,135
12/31/2023	34.6	0.0	NO	37,380	26.2	0	NO	353	37,733

Max Daily Flow (Limit: 51,120): 39,534

Monthly Total: 608,803

Attachment 5
Monthly Flow Data

Industrial Flow Reporting Form for Delta Diablo

SIU Name: **PG&E Gateway Generating Station**

Address: 3225 Wilbur Avenue, Antioch, CA 94509

City: Antioch

Contact Name: Tim Wisdom

Flow Meter: Sewer Final Effluent _____ City Water Meter _____

(The data are based on flowmeter readings as recorded by the plant's "Pi Historian" data acquisition/handling system)

Year: **2023**

Month	Flow (gallons)	Due Date
January		
February		
March		
April		
May		
June		
July		
August		
September		
October	697,180	1/15/2024
November	667,704	1/15/2024
December	608,803	1/15/2024

Note:

1) Flow data is based on the sewer final effluent flow meter or the City water meter if no effluent flow meter is at the industrial facility.

2) The flow data documentation shall continue to be submitted in the regularly scheduled self-monitoring reports.

Attachment 6
WSAC Operating Hours Report

PG&E Gateway Generating Station

WSAC Operating Hours Report
October 2023 to December 2023

WSAC Operation	
Month	Hours of Operation
January-23	
February-23	
March-23	
April-23	
May-23	
June-23	
January-23	
August-23	
September-23	
October-23	202.67
November-23	24.43
December-23	0.00

Attachment 7
Cycles of Concentration

PG&E Gateway Generating Station

WSAC Average Daily Blowdown Cycles Report
October 2023 to December 2023

WSAC Operation	
Month	Average Daily Blowdown Cycles
January-23	
February-23	
March-23	
April-23	
May-23	
June-23	
July-23	
August-23	
September-23	
October-23	3.41
November-23	3.68
December-23	No Operation

Average Daily Blowdown Cycles calculated using the ratio of specific conductivities between the three WSAC basins (average) relative to the makeup water.

Attachment 8
Laboratory Results
Monitoring of Combined Site Stream
(E-001)

Attachment 8a
Laboratory Results
Quarterly Monitoring of Combined Site Stream
(E-001)



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2312208

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Angel Espiritu

Project P.O.:

Project: Quarterly Sampling (December 2023)

Project Received: 12/05/2023

Analytical Report reviewed & approved for release on 12/12/2023 by:

Christine Askari
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.





Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station
Project: Quarterly Sampling (December 2023)

WorkOrder: 2312208

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit ¹
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit ²
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range
SPK Val	Spike Value

¹ MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

² RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.



Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2312208

Project: Quarterly Sampling (December 2023)

SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	"Too Numerous to Count," greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

J Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 12/05/2023 13:19
Date Prepared: 12/08/2023
Project: Quarterly Sampling (December 2023)

WorkOrder: 2312208
Extraction Method: E1664A_SG
Analytical Method: E1664A
Unit: mg/L

Hexane Extractable Material (HEM; Oil & Grease) with Silica Gel Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2312208-001B	Water	12/04/2023 10:15	O&G	283667
Analytes	Result	MDL	RL	DE	Date Analyzed
SGT-HEM	ND	1.0	4.7	1	12/08/2023 11:50

Analyst(s): LAM

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2312208-002B	Water	12/05/2023 11:35	O&G	283667
Analytes	Result	MDL	RL	DF	Date Analyzed
SGT-HEM	ND	1.1	4.9	1	12/08/2023 12:00

Analyst(s): LAM



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 12/05/2023 13:19
Date Prepared: 12/08/2023
Project: Quarterly Sampling (December 2023)

WorkOrder: 2312208
Extraction Method: E1664A
Analytical Method: E1664A
Unit: mg/L

Hexane Extractable Material (HEM; Oil & Grease) without Silica Gel Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2312208-001A	Water	12/04/2023 10:15	O&G	283667
Analytes	Result	MDL	RL	DE	Date Analyzed
HEM	ND	2.4	4.8	1	12/08/2023 11:45

Analyst(s): LAM

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2312208-002A	Water	12/05/2023 11:35	O&G	283667
Analytes	Result	MDL	RL	DE	Date Analyzed
HEM	ND	2.4	4.8	1	12/08/2023 11:55

Analyst(s): LAM

Analytical Report

Client:

PG&E Gateway Generating Station

Date Received:

12/05/2023 13:19

Date Prepared:

12/11/2023

Project:

Quarterly Sampling (December 2023)

WorkOrder:

2312208

Extraction Method:

SM4500-NH3 BG

Analytical Method:

SM4500-NH3 BG

Unit:

mg/L

Ammonia as N

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2312208-002C	Water	12/05/2023 11:35	WC_SKALAR 231212A1_30	283762
Analytes					
Ammonia, total as N		MDL	RL	DE	Date Analyzed
		96	1.9	2.0	20
		12/12/2023 14:24			

Analyst(s): IGC



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
<http://www.mccampbell.com> / E-mail: main@mccampbell.com

Analytical Report

Client: PG&E Gateway Generating Station **WorkOrder:** 2312208
Date Received: 12/05/2023 13:19 **Extraction Method:** SM5210B
Date Prepared: 12/07/2023 **Analytical Method:** SM5210 B
Project: Quarterly Sampling (December 2023) **Unit:** mg/L

Biochemical Oxygen Demand (BOD)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Composite	2312208-003A	Water	12/05/2023 11:25	WetChem	283555
Analytes	Result	MDL	RL	DE	Date Analyzed
BOD	ND	2.0	2.0	1.02	12/12/2023 13:09

Analyst(s): JRA

Analytical Report

Client:

PG&E Gateway Generating Station

Date Received:

12/05/2023 13:19

Date Prepared:

12/07/2023

Project:

Quarterly Sampling (December 2023)

WorkOrder:

2312208

Extraction Method:

SM4500-CN⁻ E

Analytical Method:

SM4500-CN⁻ CE

Unit:

µg/L

Cyanide, Total						
Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID	
E-001 Grab	2312208-002D	Water	12/05/2023 11:35	WC_Skalar3 231207a0_35	283582	
Analytes	Result	MDL	RL	DE	Date Analyzed	
Total Cyanide	24	0.58	1.0	1	12/07/2023 14:24	

Analyst(s): CC



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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
<http://www.mccampbell.com> / E-mail: main@mccampbell.com

Analytical Report

Client: PG&E Gateway Generating Station

WorkOrder: 2312208

Date Received: 12/05/2023 13:19

Extraction Method: SM5220 D

Date Prepared: 12/06/2023

Analytical Method: SM5220 D-1997

Project: Quarterly Sampling (December 2023)

Unit: mg/L

Chemical Oxygen Demand (COD) as mg O₂/L

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Composite	2312208-003B	Water	12/05/2023 11:25	SPECTROPHOTOMETER2	283470
Analytes	Result	MDL	RL	DE	Date Analyzed
COD	36	8.2	10	1	12/06/2023 17:51

Analyst(s): IGC



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 12/05/2023 13:19
Date Prepared: 12/05/2023
Project: Quarterly Sampling (December 2023)

WorkOrder: 2312208
Extraction Method: E245.2
Analytical Method: E245.2
Unit: µg/L

Mercury by Cold Vapor Atomic Absorption

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Composite	2312208-003E	Water	12/05/2023 11:25	AA1 _23	283435
Analytes	Result	MDL	RL	DE	Date Analyzed
Mercury	ND	0.13	0.20	1	12/06/2023 15:06

Analyst(s): DMA



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 12/05/2023 13:19
Date Prepared: 12/05/2023
Project: Quarterly Sampling (December 2023)

WorkOrder: 2312208
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID	
E-001 Composite	2312208-003F	Water	12/05/2023 11:25	ICP-MS5 113SMPL.d	283407	
Analytes	Result	Qualifiers	MDL	RL	DE	Date Analyzed
Arsenic	0.34	J	0.071	0.50	1	12/06/2023 14:18
Cadmium	ND		0.050	0.50	1	12/06/2023 14:18
Chromium	0.29	J	0.26	0.50	1	12/06/2023 14:18
Copper	5.0		0.63	1.5	1	12/06/2023 14:18
Iron	130		22	50	1	12/06/2023 14:18
Lead	ND		0.19	0.50	1	12/06/2023 14:18
Molybdenum	23		0.14	0.50	1	12/06/2023 14:18
Nickel	1.2		0.33	0.50	1	12/06/2023 14:18
Selenium	ND		0.18	0.50	1	12/06/2023 14:18
Silver	ND		0.051	0.50	1	12/06/2023 14:18
Zinc	30		11	20	1	12/06/2023 14:18
Surrogates	REC (%)	Limits				
Terbium	101	70-130				12/06/2023 14:18
Analyst(s):	MIG					

Analytical Report

Client:

PG&E Gateway Generating Station

Date Received:

12/05/2023 13:19

Date Prepared:

12/11/2023

Project:

Quarterly Sampling (December 2023)

WorkOrder:

2312208

Extraction Method:

E420.4

Analytical Method:

E420.4

Unit:

µg/L

Phenolics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2312208-002C	Water	12/05/2023 11:35	WC_SKALAR 231211A1_28	283756
Analytes	Result	MDL	RL	DE	Date Analyzed
Phenolics	ND	1.5	2.0	1	12/11/2023 11:12

Analyst(s): CC

Analytical Report

Client: PG&E Gateway Generating Station

WorkOrder: 2312208

Date Received: 12/05/2023 13:19

Extraction Method: SM2540 C-

Date Prepared: 12/11/2023

Analytical Method: SM2540 C

Project: Quarterly Sampling (December 2023)

Unit: mg/L

Total Dissolved Solids					
Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Composite	2312208-003C	Water	12/05/2023 11:25	WetChem	283810
Analytes	Result	MDL	RL	DF	
Total Dissolved Solids	244	10.0	10.0	1	Date Analyzed 12/12/2023 15:00

Analyst(s): JME





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<http://www.mcccampbell.com> / E-mail: main@mcccampbell.com

Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 12/05/2023 13:19
Date Prepared: 12/06/2023
Project: Quarterly Sampling (December 2023)

WorkOrder: 2312208
Extraction Method: SM2540 D
Analytical Method: SM2540 D
Unit: mg/L

Total Suspended Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Composite	2312208-003D	Water	12/05/2023 11:25	WetChem	283516
Analytes	Result	MDL	RL	DE	Date Analyzed
Total Suspended Solids	1.60	1.00	1.00	1	12/07/2023 16:15

Analyst(s): JRA

Quality Control Report

Client: PG&E Gateway Generating Station

Date Prepared: 12/08/2023

Date Analyzed: 12/08/2023

Instrument: O&G

Matrix: Water

Project: Quarterly Sampling (December 2023)

WorkOrder: 2312208

BatchID: 283667

Extraction Method: E1664A_SG

Analytical Method: E1664A

Unit: mg/L

Sample ID: MB/LCS/LCSD-283667

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL
HEM	ND	2.5	5.0
SGT-HEM	ND	1.1	5.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
HEM	19	18	20.83	92	86	78-114	7.01	30
SGT-HEM	7.9	7.6	10.42	76	73	64-132	4.51	30

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

12/12/2023

Date Analyzed:

12/12/2023

Instrument:

WC_SKALAR

Matrix:

Water

Project:

Quarterly Sampling (December 2023)

WorkOrder:

2312208

BatchID:

283762

Extraction Method:

SM4500-NH3 BG

Analytical Method:

SM4500-NH3 BG

Unit:

mg/L

Sample ID:

LCS/LCSD-283762

QC Summary Report for SM4500-NH3

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Ammonia, total as N	4.0	4.0	4	99	99	90-110	0.394	10

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

12/07/2023

Date Analyzed:

12/12/2023

Instrument:

WetChem

Matrix:

Water

Project:

Quarterly Sampling (December 2023)

WorkOrder:

2312208

BatchID:

283555

Extraction Method:

SM5210B

Analytical Method:

SM5210 B

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-283555

QC Summary Report for BOD

Analyte	MB Result	MDL	RL
BOD	ND	2.0	2.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
BOD	210	190	198	105	96	80-120	9.02	16

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

12/07/2023

Date Analyzed:

12/07/2023

Instrument:

WC_Skalar3

Matrix:

Water

Project:

Quarterly Sampling (December 2023)

WorkOrder:

2312208

BatchID:

283582

Extraction Method:

SM4500-CN⁻ E

Analytical Method:

SM4500-CN⁻ CE

Unit:

µg/L

Sample ID:

MB/LCS/LCSD-283582

QC Summary Report for SM4500-CN⁻ CE

Analyte	MB Result	MDL	RL
Total Cyanide	ND	0.58	1.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Total Cyanide	47	45	50	94	91	90-110	4.03
							20



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2312208
Date Prepared:	12/06/2023	BatchID:	283470
Date Analyzed:	12/06/2023	Extraction Method:	SM5220 D
Instrument:	SPECTROPHOTOMETER2	Analytical Method:	SM5220 D-1997
Matrix:	Water	Unit:	mg/L
Project:	Quarterly Sampling (December 2023)	Sample ID:	MB/LCS/LCSD-283470

QC Summary Report for COD

Analyte	MB Result	MDL	RL	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
COD	ND	8.2	10	-	94	90-110	0	20

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2312208
Date Prepared:	12/05/2023	BatchID:	283435
Date Analyzed:	12/06/2023	Extraction Method:	E245.2
Instrument:	AA1	Analytical Method:	E245.2
Matrix:	Water	Unit:	µg/L
Project:	Quarterly Sampling (December 2023)	Sample ID:	MB/LCS/LCSD-283435 2312208-003EMS/MSD

QC Summary Report for Mercury

Analyte	MB Result	MDL	RL
Mercury	ND	0.13	0.20

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Mercury	1.8	1.9	2	90	96	85-115	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD Limit
Mercury	1	2.0	1.8	2	ND	98	92	80-120	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Mercury	ND	ND	-	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2312208
Date Prepared:	12/05/2023	BatchID:	283407
Date Analyzed:	12/05/2023 - 12/06/2023	Extraction Method:	E200.8
Instrument:	ICP-MS4, ICP-MS5	Analytical Method:	E200.8
Matrix:	Water	Unit:	µg/L
Project:	Quarterly Sampling (December 2023)	Sample ID:	MB/LCS/LCSD-283407

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.071	0.50	-	-	-
Cadmium	ND	0.050	0.50	-	-	-
Chromium	ND	0.26	0.50	-	-	-
Copper	ND	0.63	1.5	-	-	-
Iron	ND	22	50	-	-	-
Lead	ND	0.19	0.50	-	-	-
Molybdenum	ND	0.14	0.50	-	-	-
Nickel	ND	0.33	0.50	-	-	-
Selenium	ND	0.18	0.50	-	-	-
Silver	ND	0.051	0.50	-	-	-
Zinc	ND	11	20	-	-	-

Surrogate Recovery

Terbium	510	500	102	70-130
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Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Arsenic	54	55	50	109	109	85-115	0.292 20
Cadmium	54	53	50	107	106	85-115	0.963 20
Chromium	54	54	50	108	107	85-115	0.570 20
Copper	55	56	50	110	112	85-115	1.41 20
Iron	5200	5100	5000	103	103	85-115	0.578 20
Lead	52	53	50	105	106	85-115	1.35 20
Molybdenum	50	51	50	100	102	85-115	1.45 20
Nickel	55	55	50	109	110	85-115	1.03 20
Selenium	55	55	50	111	111	85-115	0.125 20
Silver	53	53	50	105	106	85-115	0.954 20
Zinc	550	550	500	109	110	85-115	0.951 20

Surrogate Recovery

Terbium	530	530	500	105	105	70-130	0.141 20
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Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

12/11/2023

Date Analyzed:

12/11/2023

Instrument:

WC_SKALAR

Matrix:

Water

Project:

Quarterly Sampling (December 2023)

WorkOrder:

2312208

BatchID:

283756

Extraction Method:

E420.4

Analytical Method:

E420.4

Unit:

µg/L

Sample ID:

MB/LCS/LCSD-283756

QC Summary Report for E420.4

Analyte	MB Result	MDL	RL
Phenolics	ND	1.5	2.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Phenolics	39	40	40	98	100	80-120	1.96	20

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

12/11/2023

Date Analyzed:

12/12/2023

Instrument:

WetChem

Matrix:

Water

Project:

Quarterly Sampling (December 2023)

WorkOrder:

2312208

BatchID:

283810

Extraction Method:

SM2540 C-

Analytical Method:

SM2540 C

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-283810

QC Summary Report for Total Dissolved Solids

Analyte	MB Result	MDL	RL
Total Dissolved Solids	ND	10.0	10.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Dissolved Solids	984	946	1000	98	95	80-120	3.94	10

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2312208
Date Prepared:	12/06/2023	BatchID:	283516
Date Analyzed:	12/07/2023	Extraction Method:	SM2540 D
Instrument:	WetChem	Analytical Method:	SM2540 D
Matrix:	Water	Unit:	mg/L
Project:	Quarterly Sampling (December 2023)	Sample ID:	MB/LCS/LCSD-283516

QC Summary Report for Total Suspended Solids

Analyte	MB Result	MDL	RL
Total Suspended Solids	ND	1.00	1.00

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Suspended Solids	102	103	100	102	103	80-120	0.976	10

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CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2312208

ClientCode: PGEA

☐ WaterTrax ☐ CLIP ☐ EDF ☐ EQuIS ☐ Dry-Weight ☒ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag
☐ Detection Summary ☐ Excel

Report to:

Angel Espiritu
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509
(925) 522-7818 FAX:

Email: abe4@pge.com
cc/3rd Party: TIWY@pge.com; MSFG@pge.com;
PO:
Project: Quarterly Sampling (December 2023)

Bill to:

Angel Espiritu
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509

Requested TATs:

5 days;
7 days;

Date Received: 12/05/2023

Date Logged: 12/05/2023

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2312208-001	E-001 Grab	Water	12/4/2023 10:15	<input type="checkbox"/>	B	A								A		
2312208-002	E-001 Grab	Water	12/5/2023 11:35	<input type="checkbox"/>	B	A	C		D				C	A		
2312208-003	E-001 Composite	Water	12/5/2023 11:25	<input type="checkbox"/>				A		B	E	F		A	C	D

Test Legend:

1	1664A_SG_W
5	CN_SM4500N_W
9	PHENOLICS_W

2	1664A_W
6	COD_W
10	PRDisposal Fee

3	AMMONIA-SM4500BG_W
7	HG_W
11	TDS_W

4	BOD_W
8	METALSMS_TTLC_W [J]
12	TSS_W

Prepared by: Yvette Cisneros

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Quarterly Sampling (December 2023)

Work Order: 2312208

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 12/5/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQUIS ☒ Email ☐ HardCopy ☐ ThirdParty ☒ U-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001 Grab	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	2	1LA w/ HCl + 1-aVOA w/HCL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/4/2023 10:15	5 days	12/12/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
001B	E-001 Grab	Water	E1664A (SGT- HEM; Non-polar Material)	2	1LA w/ HCl + 1-aVOA w/HCL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/4/2023 10:15	5 days	12/12/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
002A	E-001 Grab	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	2	1LA w/ HCl + 1-aVOA w/HCL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/5/2023 11:35	5 days	12/12/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
002B	E-001 Grab	Water	E1664A (SGT- HEM; Non-polar Material)	2	1LA w/ HCl + 1-aVOA w/HCL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/5/2023 11:35	5 days	12/12/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
002C	E-001 Grab	Water	E420.4 (Phenolics)	1	500mL aG w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/5/2023 11:35	5 days	12/12/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
			SM4500-NH3 BG (Ammonia Nitrogen)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		5 days	12/12/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
002D	E-001 Grab	Water	SM4500-CN ⁻ N (Cyanide, Total)	1	250mL aHDPE w/ NaOH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/5/2023 11:35	5 days	12/12/2023	Trace	<input type="checkbox"/>	<input type="checkbox"/>
003A	E-001 Composite	Water	SM5210B (BOD)	1	500mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/5/2023 11:25	7 days	12/14/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
003B	E-001 Composite	Water	SM5220D (COD)	2	aVOA w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/5/2023 11:25	5 days	12/12/2023	None	<input type="checkbox"/>	<input type="checkbox"/>

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Quarterly Sampling (December 2023)

Work Order: 2312208

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:
Date Logged: 12/5/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQUIS ☒ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
003C	E-001 Composite	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/5/2023 11:25	5 days	12/12/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
003D	E-001 Composite	Water	SM2540D (TSS)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/5/2023 11:25	5 days	12/12/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
003E	E-001 Composite	Water	E245.2 (Mercury)	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/5/2023 11:25	5 days	12/12/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
003F	E-001 Composite	Water	E200.8 (Metals) <Arsenic, Cadmium, Chromium, Copper, Iron, Lead, Molybdenum, Nickel, Selenium, Silver, Zinc>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/5/2023 11:25	5 days	12/12/2023	None	<input type="checkbox"/>	<input type="checkbox"/>

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.

2312208



McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701

Website: www.mccampbell.com Email: main@mccampbell.com

Telephone: (877) 252-9262

Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

GeoTracker EDF ☐ PDF ☐ Excel ☐ Write On (DW) ☐

☒ Check if sample is effluent and "J" flag is required

Report To: Angel Espiritu

Bill To: PG&E Gateway

Analysis Request

Remarks

Company: PG&E Gateway Generating Station

E-Mail: abe4@pge.com, TIWY@pge.com, MSFG@pge.com

Tel: (925) 522-7838, (510) 861-1597 (Cell) Fax: ()

Project Name: Quarterly Sampling (December 2023)

Project Location: Combined Site Flow

Sampler Signature: Muskan Environmental Sampling

SAMPLE ID	LOCATION / Field Point Name	Sample Type Composite / Grab	SAMPLING		# Containers	Type Containers	Matrix		METHOD PRESERVED							Cyanide (sodium t. preserv.) ABCE	Metals (by 200.8 Selenium)	Oil/Grease and with o	Total Phen	Ammonia	Mercury	Metals (200.8 copper, lead, Molybdenum)	ROD (SM)	COD (SM)	TDS (SM)	TSS (SM)
			Date	Time			Waste Water	Sewer Water	None	ICE	H ₂ SO ₄	NaOH	HCL	HNO ₃	Other											
E-001		G	12/4/23	10:15	4	1L Amb. 40-ml VOA	X			X		X					X									
E-001		G	12/5/23	11:35	4	1L Amb. 40-ml VOA	X			X		X					X									
E-001		G	12/5/23	11:35	1	500ml Amb	X			X	X							X	X							
E-001		G	12/5/23	11:35	1	250-ml Poly	X			X		X			X											
E-001		C	12/5/23	11:35	1	500 ml Poly	X		X	X												X				
E-001		C	12/5/23	11:35	2	43-ml VOA	X			X	X												X			
E-001		C	12/5/23	11:35	1	500-ml poly	X		X	X														X		
E-001		C	12/5/23	11:35	1	1L poly	X		X	X															X	
E-001		C	12/5/23	11:35	1	250-ml Poly	X			X				X					X							
E-001		C	12/5/23	11:35	1	250-ml poly	X			X				X							X					

Relinquished By:

Date:

Time:

Received By:

Relinquished By:

Date:

Time:

Received By:

Relinquished By:

Date:

Time:

Received By:

ICE/C

GOOD CONDITION

HEAD SPACE ARSENIC

DECHLORINATED IN LAB

APPROPRIATE CONTAINERS

PRESERVED IN LAB

COMMENTS:

0.5 sewer



Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station
Project: Quarterly Sampling (December 2023)

Date and Time Received: 12/5/2023 13:19

Date Logged: 12/5/2023

Received by: Valerie Alfaro

Logged by: Yvette Cisneros

WorkOrder No: 2312208 Matrix: Water
Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 0.5°C	NA <input type="checkbox"/>
-------------------------------	-------------	-----------------------------

ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
--	------------------------------	-----------------------------	--

Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
---	---	-----------------------------	--

pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
--	---	-----------------------------	-----------------------------

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
--	------------------------------	-----------------------------	--

Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
--	------------------------------	-----------------------------	--

Comments:

Attachment 8b
Laboratory Results
Quarterly Monitoring of Combined Site Stream (E-001)
pH Report



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2312217

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Sanjiv Gill

Project P.O.:

Project: pH Sampling (December 2023)

Project Received: 12/05/2023

Analytical Report reviewed & approved for release on 12/12/2023 by:

Jennifer Lagerbom
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.





Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2312217

Project: pH Sampling (December 2023)

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit ¹
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit ²
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range
SPK Val	Spike Value

¹ MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

² RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station **WorkOrder:** 2312217

Project: pH Sampling (December 2023)

SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	"Too Numerous to Count;" greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)





McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 12/05/2023 13:19
Date Prepared: 12/04/2023
Project: pH Sampling (December 2023)

WorkOrder: 2312217
Extraction Method: SM4500H+B
Analytical Method: SM4500H+B
Unit: pH units

pH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2312217-001A	Water	12/04/2023 10:05	WetChem	283892

Analytes	Result	Accuracy	DE	Date Analyzed
pH	8.95	±0.05	1	12/04/2023 10:06

Analyst(s): JME

McCampbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2312217

ClientCode: PGEA

☐ WaterTrax
 ☐ CLIP
 ☐ EDF
 ☐ EQuIS
 ☐ Dry-Weight
 ☒ Email
 ☐ HardCopy
 ☐ ThirdParty
 ☒ J-flag
 ☒ Detection Summary
 ☐ Excel

Report to:

Sanjiv Gill
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509
(925) 522-7818 FAX:

Email: sanjivgill@comcast.net
cc/3rd Party:
PO:
Project: pH Sampling (December 2023)

Bill to:

Sanjiv Gil
Muskan Environmental Services
1828 Nelda Ct.
Yuba City, CA 95993

Requested TAT: 5 days;

Date Received: 12/05/2023

Date Logged: 12/05/2023

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2312217-001	E-001	Water	12/4/2023 10:05	<input type="checkbox"/>	A	A										

Test Legend:

1	PH_W_SANJIV
5	
9	

2	PRDisposal Fee
6	
10	

3	
7	
11	

4	
8	
12	

Prepared by: Yvette Cisneros

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: pH Sampling (December 2023)

Work Order: 2312217

Client Contact: Sanjiv Gill

QC Level: LEVEL 2

Contact's Email: sanjivgill@comcast.net

Comments:
Date Logged: 12/5/2023

☐ WaterTrax
☐ CLIP
☐ EDF
☐ Excel
☐ EQUIS
☒ Email
☐ HardCopy
☐ ThirdParty
☒ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001	Water	SM4500H+B (Field pH)	1	<Not Received>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/4/2023 10:05	5 days	12/12/2023		<input type="checkbox"/>	<input type="checkbox"/>

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.



McCAMPBELL ANALYTICAL, INC.

**1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701**

Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

GeoTracker EDF ☐ **PDF** ☐ **Excel** ☐ **Write On (DW)** ☐
☐ **Check if sample is effluent and "J" flag is required**

Report To: Sanjiv Gill

Bill To: Muskan Environmental

Company: PG&E Gateway Generating Station

E-Mail: sanjivgill@comcast.net

Tel: (408) 666-4494 (Cell)

Fax: ()

Project Name: pH Sampling (December 2023)

Project Location: PG&E GGS Antioch – E-001

Sampler Signature: Muska / Environmenta Sampl

[illegible]

Logbook for Field pH Samples

[illegible]

Meter: Myron L Company
Ultra Meter II
serial # 6222066
pH on C0C 12/4/23

PH&E Contingency
Nate for Mai



McC Campbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
<http://www.mccampbell.com> / E-mail: main@mccampbell.com

Client Supplied pH Data

Client Name: PG&E Gateway Generating Station
Project: pH Sampling (December 2023)

WorkOrder No: 2312217

SampleID	ClientSampleID	pH
2312217-001A	E-001	8.95 @ 20.8 °C [analyzed: 12/4/2023 10:05 AM]



Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station
Project: pH Sampling (December 2023)

Date and Time Received: 12/5/2023 13:19

Date Logged: 12/5/2023

Received by: Valerie Alfaro

Logged by: Yvette Cisneros

WorkOrder No: 2312217 Matrix: Water
Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Sample/Temp Blank temperature	Temp:		NA <input checked="" type="checkbox"/>
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
UCMR Samples:			
pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments:

Gateway Generating Station
(00-AFC-1C)

Annual Compliance Report No. 15

Exhibit 4b
Notice of Violation/Corrective Action
(Condition of Certification SOIL&WATER-4)

Attached are notifications, Notice of Violation, and corrective action compliance documents regarding the permit limit exceedance event of March 2023.

From: [Yun, Jason](#)
To: [Espiritu, Angel](#)
Cc: [Environmental Compliance Staff](#)
Subject: RE: Notification of Limit Exceedance: Metal Zinc (Permit # 0208841-C) - Q1 2023
Date: Wednesday, April 26, 2023 2:39:30 PM
Attachments: [image001.jpg](#)

Classification: Public

CAUTION: EXTERNAL SENDER!

This email was sent from an EXTERNAL source. Do you know this person? Are you expecting this email? Are you expecting any links or attachments? If suspicious, do not click links, open attachments, or provide credentials. Don't delete it. **Report it by using the "Report Phish" button.**

Hi Angel,

Thank you for providing the follow up results. That is great to see the number is well within the limit.

Best Regards,

Jason

Jason Yun
Environmental Compliance Specialist II | Delta Diablo
2500 Pittsburg-Antioch Hwy, Antioch, CA 94509
p 925.756.1913 f 925.756.1961
www.deltadiablo.org | jasony@deltadiablo.org

~~TRANSFORMING WASTEWATER TO RESOURCES~~

From: Espiritu, Angel <abe4@pge.com>
Sent: Monday, April 24, 2023 4:05 PM
To: Yun, Jason <jasony@deltadiablo.org>
Cc: Environmental Compliance Staff <ECStaff@deltadiablo.org>; Espiritu, Angel <ABE4@pge.com>
Subject: RE: Notification of Limit Exceedance: Metal Zinc (Permit # 0208841-C) - Q1 2023

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Classification: Public

Hi Jason,

In compliance with the resampling requirement, attached is the resampling result for zinc: 0.049 mg/L (Permit Limit: 1.0 mg/L). The sample was collected on 4/21/2023. The wet-signed copy of this report will follow. Please let me know if you have question. Thank you.

Angel B. Espiritu
Pacific Gas & Electric – Gateway Generating Station
Sr. Environmental Consultant-Environmental Compliance Manager
3225 Wilbur Avenue, Antioch, CA 94509
925-522-7838, 510-861-1597 (Cell)
ABE4@pge.com

From: Yun, Jason <jasony@deltadiablo.org>
Sent: Thursday, March 30, 2023 3:04 PM

To: Espiritu, Angel <abe4@pge.com>
Cc: Environmental Compliance Staff <ECSstaff@deltadiablo.org>
Subject: RE: Notification of Limit Exceedance: Metal Zinc (Permit # 0208841-C) - Q1 2023
Classification: Public


CAUTION: EXTERNAL SENDER!

This email was sent from an EXTERNAL source. Do you know this person? Are you expecting this email? Are you expecting any links or attachments? If suspicious, do not click links, open attachments, or provide credentials. Don't delete it. Report it by using the "Report Phish" button.

Hi Angel,
Thank you for taking my call. As we discussed, the exceedance places PG&E GGS into significant noncompliance (SNC) for the October 2022 through March 2023 monitoring period for having greater than or equal to 33% Technical Review Criteria (TRC) violations. (The definition of significant noncompliance is found in federal general pretreatment regulation [40 CFR §403.8\(f\)\(2\)\(viii\)\(B\)](#).) This status requires Delta Diablo (District) to "publish in a newspaper(s) of general circulation that provides meaningful public notice" in the Antioch, Pittsburg, Bay Point area that PG&E GGS is in significant noncompliance. The District is also required to include the status in its Pretreatment Program Annual Report that is submitted to the state each year.
Please see the table below for details on how SNC was determined:

Date	Result (mg/L)	TRC* Violation?
10/24/2022	0.081	No
12/8/2022	2.0	Yes
1/5/2023	0.670	No
3/21/2023	2.8	Yes
2/4 results exceed TRC limit = 50%		
*TRC limit = 1.0 mg/L zinc local limit x 1.2 = 1.2 mg/L		

As already mentioned in your email and over the phone, PG&E GGS will resample the wastewater for zinc. Please remember that the results of the zinc re-sample must be submitted to the District within 30 days of becoming aware of the violation (results due April 30, 2023).
PG&E GGS will also receive an enforcement notice shortly.
If you have any questions, please feel free to reach me by email or the phone number below. Also, please keep me informed of any developments or actions PG&E GGS plans on taking to attempt to return to compliance.
Best Regards,
Jason



Jason Yun
Environmental Compliance Specialist II | Delta Diablo
2500 Pittsburg-Antioch Hwy, Antioch, CA 94509
p 925.756.1913 f 925.756.1961
www.deltadiablo.org | jasony@deltadiablo.org
TRANSFORMING WASTEWATER TO RESOURCES

From: Espiritu, Angel <ABE4@pge.com>
Sent: Thursday, March 30, 2023 12:27 PM
To: Yun, Jason <jasony@deltadiablo.org>

Cc: Espiritu, Angel <ABE4@pge.com>

Subject: FW: Notification of Limit Exceedance: Metal Zinc (Permit # 0208841-C) - Q1 2023

Importance: High

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Classification: Public

Hi Jason,

In compliance with the Discharge Permit requirement, the PG&E Gateway Generating Station (GGS) is submitting to you a notification of limit exceedance on Q1 2023 self-monitoring for metal zinc parameter of 2.8 ppm (limit= 1.0 ppm). Please refer to the attached copy of laboratory report dated 03/29/2023 (received at 7:23 PM). The sample was collected on 03/21/2023. We plan to resample the wastewater to ensure that the result was true and accurate. Please let me know if you have question. Thank you.

Angel B. Espiritu

*Pacific Gas & Electric – Gateway Generating Station
Sr. Environmental Consultant-Environmental Compliance Manager
3225 Wilbur Avenue, Antioch, CA 94509
925-522-7838, 510-861-1597 (Cell)
ABE4@pge.com*

You can read about PG&E's data privacy practices [here](#) or at [PGE.com/privacy](https://www.pge.com/privacy).

From: [Yun, Jason](#)
To: [Espiritu, Angel](#)
Cc: [Wisdom, Tim](#); [Environmental Compliance Staff](#)
Subject: PG&E GGS NOV w/ Compliance Schedule
Date: Wednesday, May 3, 2023 3:05:27 PM
Attachments: [image001.jpg](#)
[23 0503 PG&E Zinc Exceedance NOV w CS.pdf](#)
Importance: High

CAUTION: EXTERNAL SENDER!

This email was sent from an EXTERNAL source. Do you know this person? Are you expecting this email? Are you expecting any links or attachments? If suspicious, do not click links, open attachments, or provide credentials. Don't delete it. **Report it by using the "Report Phish" button.**

Hi Angel,

Please find the Notice of Violation with Compliance Schedule for the March 21, 2023 zinc violation at Pacific Gas & Electric Gateway Generating Station attached to this email. Note that there are multiple required actions that are part of this notice.

The hard copy of the notice will be mailed out shortly via USPS certified mail.

If you have any questions, please feel free to reach me by email or the phone number below.

Best Regards,

Jason

Jason Yun
Environmental Compliance Specialist II | Delta Diablo
2500 Pittsburg-Antioch Hwy, Antioch, CA 94509
p 925.756.1913 f 925.756.1961
www.deltadiablo.org | jasony@deltadiablo.org

~~TRANSFORMING WASTEWATER TO RESOURCES~~



May 4, 2023

CERTIFIED MAIL NUMBER 7014 0150 0000 1544 6325

Mr. Tim Wisdom, Senior Plant Manager
Pacific Gas & Electric Company
Gateway Generating Station
3225 Wilbur Ave.
Antioch, CA 94509

SUBJECT: NOTICE OF VIOLATION WITH COMPLIANCE SCHEDULE – PG&E
GATEWAY GENERATING STATION WASTEWATER DISCHARGE
PERMIT #0208841-C ZINC VIOLATION AND SIGNIFICANT
NONCOMPLIANCE STATUS

Dear Mr. Wisdom:

On March 30, 2023, Delta Diablo (District) received notice from Pacific Gas & Electric Gateway Generating Station (PG&E), Industrial Wastewater Discharge Permit #0208841-C, that a violation had occurred. This notice was received within 24 hours of PG&E becoming aware of said violation, as required by permit.

The District is issuing a **NOTICE OF VIOLATION (NOV) WITH COMPLIANCE SCHEDULE** to PG&E for the following violation occurring from the sample event on March 21, 2023, which classifies PG&E as in significant noncompliance (SNC).

1. The zinc result of 2.8 mg/L violates the permitted limit of 1.0 mg/L.

The violation brings PG&E into SNC based on having greater than or equal to 33% Technical Review Criteria (TRC) numeric limit violations. The EPA definitions of SNC and TRC can be found in Attachment A.

A review of PG&E's zinc data over the October 2022 to March 2023 six-month monitoring period indicates a TRC numeric limit violation occurred in two out of the four sample results as outlined in Table 1 below.

Table 1 – PG&E Zinc Results, October 2022 – March 2023

Date	Result (mg/L)	Permit Limit (mg/L)	TRC Limit (1.0 x 1.2)	Violation of TRC Limit
10/24/2022	0.081	1.0	1.2	No
12/8/2022	2.0	1.0	1.2	Yes
1/5/2023	0.670	1.0	1.2	No
3/21/2023	2.8	1.0	1.2	Yes
TRC determination: Samples exceeding TRC limit = 50%				

As discussed in a conference call with PG&E staff and District Environmental Compliance staff on April 4, 2023, PG&E believes the Wet Surface Air Cooler to be the source of zinc in the waste-stream. PG&E must complete the following self-prescribed and District required compliance schedule actions to return to consistent compliance with permit discharge limits. PG&E must report the status of each corrective action to the District within 14 days after the respective due date.

CORRECTIVE ACTIONS REQUIRED:

<u>Date Due</u>	<u>Action</u>
March 31, 2023	Take the Wet Surface Air Cooler (WSAC) process off-line. COMPLETED
April 4, 2023	Complete process control sampling of the WSAC basins to investigate the source of the excess zinc concentrations. COMPLETED
April 6, 2023	Confirm the zinc concentration of the water in the WSAC basins and share the results with Delta Diablo. COMPLETED
April 13, 2023	Haul off the water from the WSAC basins for proper off-site disposal. COMPLETED
April 17, 2023	Take the Wastewater Storage Tank off-line. Clean the inside wall of the Wastewater Storage Tank and haul off the cleaning water for proper off-site disposal. Bring the Wastewater Storage Tank back into service. COMPLETED
April 21, 2023	Resample the facility's wastewater discharge for zinc at the PG&E monitoring manhole compliance point and have it analyzed by an ELAP accredited laboratory. COMPLETED
April 30, 2023	Submit the result of the resampling to Delta Diablo by April 30. COMPLETED
May 26, 2023	Have the WSAC basins and internal wetted surfaces coated or re-skinned by a licensed contractor to prevent further leaching of zinc into the waste-stream.
May 27, 2023	Bring the WSAC back into service by May 27.
June 27, 2023	Collect a wastewater sample at the compliance monitoring point and have it analyzed for zinc by an ELAP accredited laboratory. Report results to the District within 5 days of receipt of results, or within 24 hours in the case a violation occurs.
July 27, 2023	Collect a wastewater sample at the compliance monitoring point and have it analyzed for zinc by an ELAP accredited laboratory. Report results to the District within 5 days of receipt of results, or within 24 hours in the case a violation occurs.

Failure to complete the corrective actions may result in escalating enforcement activity.



If you have any questions regarding this notice, please contact Jason Yun, Environmental Compliance Specialist II at (925) 756-1913 or me at (925) 756-1915.

Sincerely,



Darrell Cain

Laboratory Management Professional – Retired Annuitant

DC/JY

Enclosure

CC: Miracle Odurukwe, Environmental Compliance Specialist I, Delta Diablo
Jason Yun, Environmental Compliance Specialist II, Delta Diablo



Attachment A

SNC and TRC Regulation

An IU is in SNC if its violation meets one or more of the following criteria (40 CFR 403.8(f)(2)(viii)):

Comply with the public participation requirements of 40 CFR part 25 in the enforcement of National Pretreatment Standards. These procedures shall include provision for at least annual public notification in a newspaper(s) of general circulation that provides meaningful public notice within the jurisdiction(s) served by the POTW of Industrial Users which, at any time during the previous 12 months, were in significant noncompliance with applicable Pretreatment requirements. For the purposes of this provision, *a Significant Industrial User (or any Industrial User which violates paragraphs (f)(2)(viii)(C), (D), or (H) of this section) is in **significant noncompliance** if its violation meets one or more of the following criteria:*

(A) Chronic violations of wastewater Discharge limits, defined here as those in which 66 percent or more of all of the measurements taken for the same pollutant parameter during a 6-month period exceed (by any magnitude) a numeric Pretreatment Standard or Requirement, including instantaneous limits, as defined by 40 CFR 403.3(l);

(B) ***Technical Review Criteria (TRC) violations***, defined here as those in which 33 percent or more of all of the measurements taken for the same pollutant parameter during a 6-month period equal or exceed the product of the numeric Pretreatment Standard or Requirement including instantaneous limits, as defined by 40 CFR 403.3(l) multiplied by the applicable TRC (TRC = 1.4 for BOD, TSS, fats, oil, and grease, and 1.2 for all other pollutants except pH);

(C) Any other violation of a Pretreatment Standard or Requirement as defined by 40 CFR 403.3(l) (daily maximum, long-term average, instantaneous limit, or narrative Standard) that the POTW determines has caused, alone or in combination with other Discharges, Interference or Pass Through (including endangering the health of POTW personnel or the general public);

(D) Any discharge of a pollutant that has caused imminent endangerment to human health, welfare or to the environment or has resulted in the POTW's exercise of its emergency authority under paragraph (f)(1)(vi)(B) of this section to halt or prevent such a discharge;

(E) Failure to meet, within 90 days after the schedule date, a compliance schedule milestone contained in a local control mechanism or enforcement order for starting construction, completing construction, or attaining final compliance;

(F) Failure to provide, within 45 days after the due date, required reports such as baseline monitoring reports, 90-day compliance reports, periodic self-monitoring reports, and reports on compliance with compliance schedules;

(G) Failure to accurately report noncompliance;

(H) Any other violation or group of violations, which may include a violation of Best Management Practices, which the POTW determines will adversely affect the operation or implementation of the local Pretreatment program.

From: [Yun, Jason](#)
To: [Espiritu, Angel](#)
Cc: [Wisdom, Tim](#)
Subject: RE: PG&E-GGS (Permit# 0208841-C) WSAC on Process Control Operation
Date: Tuesday, April 25, 2023 1:58:34 PM
Attachments: [image001.jpg](#)

CAUTION: EXTERNAL SENDER!

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Hi Angel,

Thank you providing this information.

Best Regards,

Jason



Jason Yun

Environmental Compliance Specialist II | Delta Diablo
2500 Pittsburg-Antioch Hwy, Antioch, CA 94509
p 925.756.1913 f 925.756.1961
www.deltadiablo.org | jasony@deltadiablo.org

~~TRANSFORMING WASTEWATER TO RESOURCES~~

From: Espiritu, Angel <ABE4@pge.com>

Sent: Tuesday, April 25, 2023 1:56 PM

To: Yun, Jason <jasony@deltadiablo.org>

Cc: Wisdom, Tim <T1WY@pge.com>

Subject: PG&E-GGS (Permit# 0208841-C) WSAC on Process Control Operation

Importance: High

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Classification: Public

Hi Jason,

This refers to our phone conversation with you earlier today on the subject. As indicated during the call, the PG&E-GGS will put the Wet Surface Air Cooler (WSAC) equipment back to service under a "Process Control" operating condition, i.e. (1) The WSAC will be taken off from the normal facility waste stream. (2) There will be no blowdown discharge coming from the WSAC. And (3). The water collected in the WSAC during this "Process Control" operating condition will be trucked offsite for proper disposal. We plan to run the WSAC as early as today, April 25, 2023 through Sunday, April 30, 2023. Please note that the PG&E-GGS will perform an annual operation and maintenance outage starting May 1, 2023 through May 30, 2023. Please let us know if you have questions. Thank you.

Angel B. Espiritu

*Pacific Gas & Electric – Gateway Generating Station
Sr. Environmental Consultant-Environmental Compliance Manager
3225 Wilbur Avenue, Antioch, CA 94509
925-522-7838, 510-861-1597 (Cell)*

ABE4@pge.com

You can read about PG&E's data privacy practices [here](#) or at [PGE.com/privacy](https://www.pge.com/privacy).

From: [Yun, Jason](#)
To: [Espiritu, Angel](#)
Subject: RE: WSAC Coating Complete
Date: Wednesday, May 31, 2023 7:46:02 AM
Attachments: [image002.jpg](#)
[image003.png](#)

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Hi Angel,

Thank you for providing this information. We look forward to hearing additional updates when the WSAC is back in service and samples are collected in June and July.

Best Regards,

Jason



From: Espiritu, Angel <ABE4@pge.com>
Sent: Saturday, May 27, 2023 2:11 PM
To: Yun, Jason <jasony@deltadiablo.org>
Cc: Espiritu, Angel <ABE4@pge.com>
Subject: FW: WSAC Coating Complete

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Classification: Internal

Hi Jason,

Please note Tim's email below. The coating work on the WSAC was completed and the WSAC is back and ready for service effective today, 5/27/2023. The facility, however, is on outage. We will send you update when the facility returns to normal operation. Thank you.

Angel B. Espiritu
Pacific Gas & Electric – Gateway Generating Station
Sr. Environmental Consultant-Environmental Compliance Manager
3225 Wilbur Avenue, Antioch, CA 94509
925-522-7838, 510-861-1597 (Cell)
ABE4@pge.com

From: Wisdom, Tim <T1WY@pge.com>
Sent: Saturday, May 27, 2023 12:57 PM
To: Espiritu, Angel <ABE4@pge.com>
Cc: Fiedler, Matt <MSFG@pge.com>; Singh, Prakash <APSD@pge.com>; Garcia, Sam

<SRGJ@pge.com>; Royall, Steve <SGR8@pge.com>

Subject: WSAC Coating Complete

Hi Angel,

This is to inform you that the Gateway WSAC coating project is complete and the WSAC is back and ready for service effective May 27, 2023. The plant is still in a planned outage and I will let you know when we have declared the outage over. Please note this meets the DDSD NOV requirement to return the system to service effective May 27, 2023 as detailed in their letter of May, 4, 2023.

Thanks,

Tim

Senior Manager, Gateway Generating Station & Renewables

Gateway: (925) 522-7812

Cell: (925) 200-4811

Email: T1WY@pge.com



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From: [Yun, Jason](#)
To: [Espiritu, Angel](#)
Subject: Re: Request Approval to clean-up the GGS wastewater sampling vault.
Date: Monday, April 24, 2023 9:33:43 AM
Attachments: [Outlook-3balx1uh](#)

CAUTION: EXTERNAL SENDER!

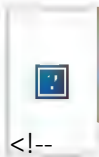
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Hi Angel,

The District has reviewed your request letter and approves the cleanup following the planned steps noted in the letter.

Best Regards,
Jason

Jason Yun
Environmental Compliance Specialist II | Delta Diablo
2500 Pittsburg-Antioch Hwy, Antioch, CA 94509
p 925.756.1913 f 925.756.1961
www.deltadiablo.org | jasony@deltadiablo.org



<!--
[endif]--
>

TRANSFORMING WASTEWATER TO RESOURCES

From: Espiritu, Angel <ABE4@pge.com>
Sent: Wednesday, April 19, 2023 9:46 AM
To: Yun, Jason <jasony@deltadiablo.org>
Subject: Request Approval to clean-up the GGS wastewater sampling vault.

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Classification: Public

Hi Jason,

Further to our phone conversation with you yesterday on the subject, attached is the request letter for your consideration, please. Thank you.

Angel B. Espiritu
Pacific Gas & Electric – Gateway Generating Station
Sr. Environmental Consultant-Environmental Compliance Manager
3225 Wilbur Avenue, Antioch, CA 94509
925-522-7838, 510-861-1597 (Cell)

ABE4@pge.com

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From: [Yun, Jason](#)
To: [Espiritu, Angel](#)
Cc: [Wisdom, Timothy](#); [Environmental Compliance Staff](#); [Struhs, James](#)
Subject: RE: Result of Final Resampling for Zinc
Date: Thursday, July 27, 2023 7:37:54 AM
Attachments: [image001.jpg](#)

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Hi Angel,

Thank you for sending in the electronic copy of the final resample and for letting us know the hard copy will be delivered today.

Glad to see the final zinc re-sample is in compliance with permit limits. Delta Diablo agrees that all corrective action tasks are now completed.

Best Regards,

Jason



Jason Yun

Environmental Compliance Specialist II | Delta Diablo
2500 Pittsburg-Antioch Hwy, Antioch, CA 94509
p 925.756.1913 f 925.756.1961
www.deltadiablo.org | jasony@deltadiablo.org

TRANSFORMING WASTEWATER TO RESOURCES

From: Espiritu, Angel <ABE4@pge.com>
Sent: Wednesday, July 26, 2023 5:04 PM
To: Yun, Jason <jasony@deltadiablo.org>
Cc: Wisdom, Timothy <T1WY@pge.com>; Environmental Compliance Staff <ECStaff@deltadiablo.org>; Struhs, James <JPSx@pge.com>
Subject: Result of Final Resampling for Zinc

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Classification: Public

Hi Jason,

Attached is the advance electronic copy of the result of resampling for zinc: 0.22 mg/L. The sample was collected on July 21, 2023. The laboratory result was received on June 24, 2023. I will deliver the hard copy of the same to you tomorrow, July 27, 2023. This is the final resampling for zinc. All corrective action tasks are now completed. Please let me know if you have questions. Thank you.

Angel B. Espiritu

Pacific Gas & Electric – Gateway Generating Station
Sr. Environmental Consultant-Environmental Compliance Manager
3225 Wilbur Avenue, Antioch, CA 94509
925-522-7838, 510-861-1597 (Cell)
ABE4@pge.com

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**Pacific Gas and
Electric Company®**

Rec'd by
Jason Yun
7/27/23
A

Mailing Address:
Pacific Gas & Electric Company
Gateway Generating Station
3225 Wilbur Ave.
Antioch, CA 94509
(925) 522-7801

July 26, 2023

Mr. Jason Yun
Delta Diablo
2500 Pittsburg-Antioch Hwy.
Antioch, CA 94509-1373

Reference: Pacific Gas and Electric Company - Gateway Generating Station (PG&E-GGS)
Delta Diablo Industrial Wastewater Discharge Permit # 0208841-C (Permit)

Subject: Result of Resampling for Zinc 07/21/2023

Dear Mr. Yun,

In compliance with the resampling requirements contained in the Notice of Violation with Compliance Schedule issued by Delta Diablo on May 4, 2023, PG&E-GGS collected a second follow-up sample for zinc on July 21, 2023. Attached is the laboratory report (dated July 24, 2023) conveying the analytical result of the resampling for zinc. Please note that the 0.22 mg/L detected concentration of zinc is below the Permit's maximum allowable concentration (1.0 mg/L). Also attached is the document certification statement.

Please let me or Angel Espiritu (abe4@pge.com, 510-861-1597) know if you have questions or clarifications. Thank you.

Sincerely,

Tim Wisdom

Tim Wisdom
Senior Plant Manager

Attachment: a/s

Public



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2307E57

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Angel Espiritu

Project P.O.:

Project: Nov Corrective Action-Resample for Zinc

Project Received: 07/21/2023

Analytical Report reviewed & approved for release on 07/24/2023 by:

Yen Cao
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.





Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2307E57

Project: Nov Corrective Action-Resample for Zinc

Glossary Abbreviation

| | |
|--------------|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit ¹ |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit ² |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |

¹ MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

² RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.



Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2307E57

Project: Nov Corrective Action-Resample for Zinc

TEQ Toxicity Equivalents

TZA TimeZone Net Adjustment for sample collected outside of MAI's UTC.

WET (STLC) Waste Extraction Test (Soluble Threshold Limit Concentration)



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 07/21/2023 12:42
Date Prepared: 07/21/2023
Project: Nov Corrective Action-Resample for Zinc

WorkOrder: 2307E57
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Metals

| Client ID | Lab ID | Matrix | Date Collected | | Instrument | Batch ID |
|-----------------------|----------------|---------------|------------------|------------------|----------------------|----------|
| E-001 | 2307E57-001A | Water | 07/21/2023 11:10 | | ICP-MS4 112SMPL.d | 274248 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DE</u> | <u>Date Analyzed</u> | |
| Zinc | 220 | 11 | 20 | 1 | 07/24/2023 11:19 | |
| <u>Surrogates</u> | <u>REC (%)</u> | <u>Limits</u> | | | | |
| Terbium | 114 | 70-130 | | 07/24/2023 11:19 | | |
| <u>Analyst(s):</u> WV | | | | | | |



Quality Control Report

| | | | |
|-----------------------|---|---------------------------|--------------------|
| Client: | PG&E Gateway Generating Station | WorkOrder: | 2307E57 |
| Date Prepared: | 07/21/2023 | BatchID: | 274248 |
| Date Analyzed: | 07/24/2023 | Extraction Method: | E200.8 |
| Instrument: | ICP-MS4 | Analytical Method: | E200.8 |
| Matrix: | Water | Unit: | µg/L |
| Project: | Nov Corrective Action-Resample for Zinc | Sample ID: | MB/LCS/LCSD-274248 |

QC Summary Report for Metals

| Analyte | MB
Result | MDL | RL | SPK
Val | MB SS
%REC | MB SS
Limits |
|--------------------|--------------|-----|----|------------|---------------|-----------------|
| Zinc | ND | 11 | 20 | - | - | - |
| Surrogate Recovery | | | | | | |
| Terbium | 530 | | | 500 | 107 | 70-130 |

| Analyte | LCS
Result | LCSD
Result | SPK
Val | LCS
%REC | LCSD
%REC | RPD
Limit |
|--------------------|---------------|----------------|------------|-------------|--------------|--------------|
| Zinc | 550 | 530 | 500 | 109 | 107 | 20 |
| Surrogate Recovery | | | | | | |
| Terbium | 550 | 550 | 500 | 109 | 109 | 20 |

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2307E57

ClientCode: PGEA

☐ WaterTrax

☐ CLIP

☐ EDF

☐ EQulS

☐ Dry-Weight

☒ Email

☐ HardCopy

☐ ThirdParty

☒ -flag

☐ Detection Summary

☐ Excel

Report to:

Angel Espiritu
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509
925 550-9105 FAX:

Email: abe4@pge.com
cc/3rd Party: T1WY@pge.com;
PO:
Project: Nov Corrective Action-Resample for Zinc

Bill to:

Angel Espiritu
PG&E Gateway Generating Station
3225 Wilbur Avenue
Antioch, CA 94509

Requested TAT: 1 day;

Date Received: 07/21/2023

Date Logged: 07/21/2023

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|-------------|--------------|--------|-----------------|--------------------------|------------------------------------|---|---|---|---|---|---|---|---|----|----|----|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2307E57-001 | E-001 | Water | 7/21/2023 11:10 | <input type="checkbox"/> | A | A | | | | | | | | | | |

Test Legend:

| | |
|---|-----------------|
| 1 | METALSMS_TTLC_W |
| 5 | |
| 9 | |

| | |
|----|----------------|
| 2 | PRDisposal Fee |
| 6 | |
| 10 | |

| | |
|----|--|
| 3 | |
| 7 | |
| 11 | |

| | |
|----|--|
| 4 | |
| 8 | |
| 12 | |

Prepared by: Yvette Cisneros

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Nov Corrective Action-Resample for Zinc

Work Order: 2307E57

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 7/21/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQUIS ☒ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

| LabID | ClientSampID | Matrix | Test Name | Containers
/Composites | Bottle &
Preservative | U** | Head
Space | Dry-
Weight | Collection Date
& Time | TAT | Test Due Date | Sediment
Content | Hold | Sub
Out |
|-------|--------------|--------|------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|-------|---------------|---------------------|--------------------------|--------------------------|
| 001A | E-001 | Water | E200.8 (Metals) <Zinc> | 1 | 250mL HDPE w/
HNO3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 7/21/2023 11:10 | 1 day | 7/24/2023 | None | <input type="checkbox"/> | <input type="checkbox"/> |

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.

Page 8 of 9



Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station
Project: Nov Corrective Action-Resample for Zinc

Date and Time Received: 7/21/2023 12:42

Date Logged: 7/21/2023

Received by: Lilly Ortiz

Logged by: Yvette Cisneros

WorkOrder No: 2307E57 Matrix: ~~Water~~
Carrier: ~~Client Drop-In~~

Chain of Custody (COC) Information

| | | | |
|---|---|-----------------------------|--|
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample IDs noted by Client on COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Date and Time of collection noted by Client on COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sampler's name noted on COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| COC agrees with Quote? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Sample Receipt Information

| | | | |
|--|---|-----------------------------|--|
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper containers/bottles? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |

Sample Preservation and Hold Time (HT) Information

| | | | |
|---|---|-----------------------------|-----------------------------|
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| Samples Received on Ice? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |

(Ice Type: WET ICE)

| | | | |
|--|---|-----------------------------|--|
| Sample/Temp Blank temperature | Temp: 3.7°C | | NA <input type="checkbox"/> |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Sample labels checked for correct preservation? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| UCMR Samples: | | | |
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

Gateway Generating Station
(00-AFC-1C)

Annual Compliance Report No. 15

Exhibit 5
HAZ-1 Appendix C: Table 8.12-4
(Condition of Certification HAZ-1), and
Hazardous Materials Inventory as submitted to
CUPA through CERS

HAZ-1 Appendix C

Table 8.12-4

Hazardous Materials to be Added at Gateway Generating Station During the Operational Phase

| Material | CAS Number | Purpose | Location | Container | Hazardous Characteristics | Maximum Quantity On-Site | Unit | Regulatory Thresholds (lbs.) | | | |
|---|------------------------|---|--|---|-----------------------------|--------------------------|-------|------------------------------|------------|-------------|------------|
| | | | | | | | | Cal-ARP | Federal RQ | Federal TPQ | Federal TQ |
| Aqueous Ammonia (29%) | 7664-41-7 | SCR | Ammonia Storage Facility | Storage Tank (20,000 gal) | Corrosive | 285,000 | lbs. | 500 | 100 | 500 | 20,000 |
| Trisodium Phosphate (or Pre-blended Phosphate/Caustic) | 7601-54-9
1310-73-2 | pH/Corrosion Control | Northeast Corner of Admin Building | Bulk Returnable Container (Tote) with Hose Connections | Corrosive/Toxic | 1,000 | lbs. | | | | |
| Carbohydrazide | 487-18-7 | Oxygen Scavenger (Oxygen removal/metal passivation) | Between ST and ACC | Bulk Returnable Container (Tote) with Hose Connections | Toxic | 500 | gals. | | | | |
| Aqueous Ammonia (19.4%) (or ammonia monoethanolamine blend) * | 7664-41-7
141-43-5 | Boiler Feed pH adjustment/corrosion control | Between ST and ACC (Northwest corner of ACC) | Bulk Returnable Container (Tote) with Hose Connections | Corrosive | 330 | gals. | 500 | | | |
| Sodium Bisulfite | 7631-90-5 | Water treatment feedwater dechlorination | Fire Water Pump Enclosure | Bulk Returnable Container (Tote) with Hose Connections | Toxic | 500 | gals. | | | | |
| Stabilized Bromine/Sodium Hydroxide | 1310-73-2 | Bacteria control for feedwater tank/WSAC cooling water biocide | Fire Water Pump Enclosure | Bulk Returnable Container (Tote) with Hose Connections | Corrosive/Toxic | 400 | gals. | | | | |
| Sulfuric Acid * | 7664-93-9 | WSAC water pH adjustment | Between ACC and WSAC and Warehouse (Storage) | Bulk Returnable Container (Tote) with Hose Connections | Corrosive | 50 | gals. | 1,000 | | | |
| Corrosion/Scale Inhibitor/Sodium Hydroxide | 1310-73-2 | Scale and corrosion inhibitor for closed loop cooling | Fire Water Pump Enclosure | Drum | Toxic | 55 | gals. | | | | |
| Scale Inhibitor/Sulfuric Acid | 7664-93-9 | Scale and corrosion inhibitor evaporative cooling system (WSAC) | Between ACC and WSAC | Bulk Returnable Container (Tote) with Hose Connections | Toxic | 500 | gals. | | | | |
| Sodium Hypochlorite | 7681-52-9 | Evaporative Cooling (WSAC) biocide | Between ACC and WSAC | Bulk Returnable Container (Tote) with Hose Connections | Corrosive/Toxic | 500 | gals. | | | | |
| Hydrogen Gas | 1333-74-0 | Heat transfer medium for generators | Storage (South of ACC), In Process (CT1, CT2, ST) | Bulk Returnable Container (Tube Trailer) & In Process | Flammable | 1,029 | lbs. | | | | 10,000 |
| Propylene Glycol | 00057-55-6 | Heat transfer fluid (Anti-freeze) | Power Block | Bulk Returnable Container (Tube Trailer) & In Process | Flammable (HMS Flam-1) | 3,326 | gals. | | | | |
| Monoethanolamine (30%-60%) * | 141-43-5 | Corrosion Inhibitor | Between ST and ACC (Northwest corner of ACC) | Bulk Returnable Container (SS Metal Tote) with Hose Connections | Corrosive/Toxic/Combustible | 400 | gals. | | | | |
| Ammonium Hydroxide (15%) & Monoethanolamine (8%) | 1336-21-6
141-43-5 | Corrosion Inhibitor | Between ST and ACC (Northwest corner of ACC) | Bulk Returnable Container (SS Metal Tote) with Hose Connections | Corrosive, Toxic | 400 | gals. | | | | |
| Aluminum chloride hydroxide sulfate (10-30%) | 39290-78-3 | Flocculant | Storm Water Treatment System and Warehouse (Storage) | Bulk Returnable Container (Tote) with Hose Connections | Corrosive | 550 | gals. | | | | |
| Sodium Hydroxide (10-50%) | 1310-73-2 | Precipitate Transition (for Iron) | Storm Water Treatment System | Bulk Returnable Container with Hose Connections | Corrosive | 80 | gals. | | | | |

* The aqueous ammonia (or ammonia monoethanolamine blend) and sulfuric acid are stored in catchments sized to meet all applicable codes.

Updated

3/21/2018

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | | |
|---------------------------------|---------------------------------|---------|-------------------|---------------|---------------------------------|---------------------|---------------------------|---|------|-------------|
| CERS Business/Org. | PG&E | | | | Chemical Location | | CERS ID | 10018894 | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | | | Air Cooled Condenser Gear Boxes | | Facility ID | 07-000-773723 | | |
| | 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | |
| | | | | Quantities | | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | | | Component Name | % Wt | EHS CAS No. |
| Combustible Liquid, Class III-B | Lubricating Oil | Gallons | 432 | 12 | 432 | | | 1-DECENE, HOMOPOLYMER, | 95% | 68037-01-4 |
| | CAS No | State | Storage Container | | Pressue | | | HYDROGENATED | | |
| | | Liquid | Other | | Ambient | | Waste Code | | | |
| | Map: Figure 2 Grid: C3 | Type | | | Temperature | | | | | |
| | | Mixture | Days on Site: 365 | | > Ambient | | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | | |
|--------------------------|---------------------------------|---------|-------------------|---------------|----------------------------|----------------|--------------------------------------|--------------------------------|-----|---------|
| CERS Business/Org. | PG&E | | | | Chemical Location | | CERS ID | 10018894 | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | | | Alternate Feed Transformer | | Facility ID | 07-000-773723 | | |
| | 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | |
| | | | | Quantities | | Annual Waste | Hazardous Components | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Federal Hazard | Component Name | % Wt | EHS | CAS No. |
| | Mineral Oil | Gallons | 656 | 656 | 656 | | Dielectric Oil (Highly Refined Petro | 100% | | |
| | CAS No | State | Storage Container | | Pressue | | Oil) | | | |
| | | Liquid | Other | | Ambient | Waste Code | | | | |
| | Map: Figure 2 Grid: D6 | Type | | | Temperature | | | | | |
| | | Mixture | Days on Site: 365 | | > Ambient | | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | |
|--------------------|---------------------------------|---------------------------------|-------------|--------------------------------|
| CERS Business/Org. | PG&E | Chemical Location | CERS ID | 10018894 |
| Facility Name | PG&E GATEWAY GENERATING STATION | Ammonia and Scavenger Feed Skid | Facility ID | 07-000-773723 |
| | 3225 Wilbur Ave, Antioch 94509 | | Status | Submitted on 8/23/2023 7:15 PM |

| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) | | |
|--------------------------|------------------------|---------|--------------------------|---------------|-------------|---------------------|---------------------------|---|------|-------------|
| | | | Max. Daily | Largest Cont. | Avg. Daily | | | Component Name | % Wt | EHS CAS No. |
| Corrosive | NALCO 5711 | Gallons | 400 | 400 | 400 | | - Physical | AMMONIA | 15% | |
| | CAS No | State | Storage Container | | Pressue | Waste Code | Corrosive To | MEA | 8% | |
| | | Liquid | Plastic/Non-metalic Drum | | Ambient | | Metal | | | |
| | Map: Figure 2 Grid: C4 | Type | | | Temperature | | - Health Skin | | | |
| | | Mixture | Days on Site: 365 | | Ambient | | Corrosion | | | |
| | | | | | | | Irritation | | | |
| | | | | | | | - Health | | | |
| | | | | | | | Respiratory Skin | | | |
| | | | | | | | Sensitization | | | |
| | | | | | | | - Health Serious | | | |
| | | | | | | | Eye Damage Eye | | | |
| | | | | | | | Irritation | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | |
|--------------------|--|-------------------------------------|-------------|---------------------------------------|
| CERS Business/Org. | PG&E | Chemical Location | CERS ID | 10018894 |
| Facility Name | PG&E GATEWAY GENERATING STATION | Aqueous Ammonia Storage Tank | Facility ID | 07-000-773723 |
| | 3225 Wilbur Ave, Antioch 94509 | | Status | Submitted on 8/23/2023 7:15 PM |

| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) | | |
|--|---------------------------|----------------|--------------------------|---------------|--------------------|---------------------|---------------------------|---|------|-------------|
| | | | Max. Daily | Largest Cont. | Avg. Daily | | | Component Name | % Wt | EHS CAS No. |
| DOT: 8 - Corrosives (Liquids and Solids) | Aqua Ammonia (29%) | Gallons | 18020 | 18020 | 18020 | | - Health Acute | Ammonia | 30% | 7664-41-7 |
| | <u>CAS No</u> | <u>State</u> | <u>Storage Container</u> | | <u>Pressue</u> | | Toxicity | | | |
| | 1336-21-6 | Liquid | Aboveground Tank | | Ambient | <u>Waste Code</u> | - Health Skin | | | |
| Corrosive | Map: Figure 2 Grid: A6 | <u>Type</u> | | | <u>Temperature</u> | | Corrosion | | | |
| | | Mixture | Days on Site: 365 | | Ambient | | Irritation | | | |
| | | | | | | | - Health Serious | | | |
| | | | | | | | Eye Damage Eye | | | |
| | | | | | | | Irritation | | | |
| | | | | | | | - Health Specific | | | |
| | | | | | | | Target Organ | | | |
| | | | | | | | Toxicity | | | |
| | | | | | | | - Health Hazard | | | |
| | | | | | | | Not Otherwise | | | |
| | | | | | | | Classified | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| CERS Business/Org. | PG&E | Chemical Location | | | | | CERS ID | 10018894 | | | |
|---------------------------------|---------------------------------|-------------------|--------------------------|---------------|--------------------|--|---------------------------|---|--------------------------------|---------------|--|
| Facility Name | PG&E GATEWAY GENERATING STATION | | | | | Behind (East of) Plant Service Building and Shop Annex | | | Facility ID | 07-000-773723 | |
| 3225 Wilbur Ave, Antioch 94509 | | | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) | | | |
| | | | Max. Daily | Largest Cont. | Avg. Daily | | | Component Name | % Wt | EHS CAS No. | |
| DOT: 2.1 - Flammable Gases | Acetylene, Compressed | Cu. Feet | 1740 | 145 | 1740 | | - Physical | Acetylene | 100% | 74-86-2 | |
| Flammable Gas | <u>CAS No</u> | <u>State</u> | <u>Storage Container</u> | | <u>Pressue</u> | <u>Waste Code</u> | Flammable | | | | |
| | 74-86-2 | Gas | Cylinder | | > Ambient | | - Physical Gas | | | | |
| | Map: Figure 2 Grid: B4 | <u>Type</u> | | | <u>Temperature</u> | | Under Pressure | | | | |
| | | Pure | Days on Site: 365 | | Ambient | | - Health Simple | | | | |
| | | | | | | | Asphyxiant | | | | |
| | | | | | | | - Health Hazard | | | | |
| | | | | | | | Not Otherwise Classified | | | | |
| DOT: 2.1 - Flammable Gases | Propane, Compressed | Gallons | 111 | 9.6 | 74 | | - Physical | Propane | 100% | 74-98-6 | |
| Flammable Gas | <u>CAS No</u> | <u>State</u> | <u>Storage Container</u> | | <u>Pressue</u> | <u>Waste Code</u> | Flammable | | | | |
| | 74-98-6 | Liquid | Cylinder | | > Ambient | | - Physical Gas | | | | |
| | Map: Figure 2 Grid: B4 | <u>Type</u> | | | <u>Temperature</u> | | Under Pressure | | | | |
| | | Pure | Days on Site: 365 | | Ambient | | - Health Simple | | | | |
| | | | | | | | Asphyxiant | | | | |
| | | | | | | | - Health Hazard | | | | |
| | | | | | | | Not Otherwise Classified | | | | |
| | Shell Turbo Oil DR46 | Gallons | 110 | 55 | 110 | | | Highly Refined Petroleum Oil | 99% | | |
| Combustible Liquid, Class III-B | <u>CAS No</u> | <u>State</u> | <u>Storage Container</u> | | <u>Pressue</u> | <u>Waste Code</u> | | Proprietary Additives | 1% | | |
| | | Liquid | Steel Drum | | Ambient | | | | | | |
| | Map: Figure 2 Grid: C4 | <u>Type</u> | | | <u>Temperature</u> | | | | | | |
| | | Mixture | Days on Site: 365 | | Ambient | | | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | | | |
|-------------------------------|---------------------------------|-----------------------------|-------------------|---------------|-------------|----------------|---|--------------------------------|------|-----|----------|
| CERS Business/Org. | PG&E | Chemical Location | | | | | CERS ID | 10018894 | | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | Carbon Dioxide Bulk Storage | | | | | Facility ID | 07-000-773723 | | | |
| | 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | | |
| | | | | | | Annual Waste | Hazardous Components (For mixture only) | | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | | Federal Hazard | | | | | |
| | | | Max. Daily | Largest Cont. | Avg. Daily | Amount | Categories | Component Name | % Wt | EHS | CAS No. |
| DOT: 2.2 - Nonflammable Gases | Carbon Dioxide, Liquid | Gallons | 2326 | 2326 | 2326 | | - Physical Gas | Carbon Dioxide | 100% | | 124-38-9 |
| | CAS No | State | Storage Container | | Pressue | Waste Code | Under Pressure | | | | |
| | 124-38-9 | Liquid | Aboveground Tank | | > Ambient | | - Health Simple | | | | |
| | Map: Figure 2 Grid: D2 | Type | | | Temperature | | Asphyxiant | | | | |
| | | Pure | Days on Site: 365 | | Ambient | | - Health Hazard | | | | |
| | | | | | | | Not Otherwise Classified | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | | | |
|-------------------------------|---------------------------------|----------------------|-------------------|---------------|-------------|--------------|--|--------------------------------|------|-----|----------|
| CERS Business/Org. | PG&E | Chemical Location | | | | | CERS ID | 10018894 | | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | Combustion Turbine-A | | | | | Facility ID | 07-000-773723 | | | |
| | 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | | |
| | | | | Quantities | | Annual Waste | Hazardous Components
(For mixture only) | | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Amount | Federal Hazard Categories | Component Name | % Wt | EHS | CAS No. |
| DOT: 2.2 - Nonflammable Gases | Carbon Dioxide, Liquid | Gallons | 2326 | 2326 | 2326 | | - Physical Gas | Carbon Dioxide | 100% | | 124-38-9 |
| | CAS No | State | Storage Container | | Pressue | Waste Code | Under Pressure | | | | |
| | 124-38-9 | Liquid | Aboveground Tank | | > Ambient | | - Health Simple | | | | |
| | Map: Figure 2 Grid: B5 | Type | | | Temperature | | Asphyxiant | | | | |
| | | Pure | Days on Site: 365 | | Ambient | | - Health Hazard | | | | |
| | | | | | | | Not Otherwise Classified | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | | | |
|--|-----------------------------|--|--------------------------|---------------|--------------------|--|------------|------------------------------|------|-----|---------|
| CERS Business/Org. PG&E | | Chemical Location | | | | CERS ID 10018894 | | | | | |
| Facility Name PG&E GATEWAY GENERATING STATION | | Combustion Turbine-A Lube Oil Reservoir | | | | Facility ID 07-000-773723 | | | | | |
| 3225 Wilbur Ave, Antioch 94509 | | | | | | Status Submitted on 8/23/2023 7:15 PM | | | | | |
| | | | | | Annual Waste | Hazardous Components | | | | | |
| | | | | | | (For mixture only) | | | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | | Federal Hazard | | | | | |
| | | | Max. Daily | Largest Cont. | Avg. Daily | Amount | Categories | Component Name | % Wt | EHS | CAS No. |
| Combustible Liquid, Class III-B | Shell Turbo Oil T 32 | Gallons | 6000 | 6000 | 6000 | | | Highly Refined Petroleum Oil | 99% | | |
| | <u>CAS No</u> | <u>State</u> | <u>Storage Container</u> | | <u>Pressue</u> | <u>Waste Code</u> | | Proprietary Additives | 5% | | |
| | | Liquid | Other | | Ambient | | | | | | |
| | Map: Figure 2 Grid: C6 | <u>Type</u> | | | <u>Temperature</u> | | | | | | |
| | | Mixture | Days on Site: 365 | | > Ambient | | | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | | |
|---|------------------------|----------------------|-------------------|---------------|---------------------|---------------------------------------|---|----------------|------|-------------|
| CERS Business/Org. PG&E | | Chemical Location | | | | CERS ID 10018894 | | | | |
| Facility Name PG&E GATEWAY GENERATING STATION | | Combustion Turbine-B | | | | Facility ID 07-000-773723 | | | | |
| 3225 Wilbur Ave, Antioch 94509 | | | | | | Status Submitted on 8/23/2023 7:15 PM | | | | |
| | | Quantities | | | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | | | Component Name | % Wt | EHS CAS No. |
| DOT: 2.2 - Nonflammable Gases | Carbon Dioxide, Liquid | Gallons | 2326 | 2326 | 2326 | | - Physical Gas | Carbon Dioxide | 100% | 124-38-9 |
| | CAS No | State | Storage Container | | Pressue | Waste Code | Under Pressure | | | |
| | 124-38-9 | Liquid | Aboveground Tank | | > Ambient | | - Health Simple | | | |
| | Map: Figure 2 Grid: B5 | Type | | | Temperature | | Asphyxiant | | | |
| | | Pure | Days on Site: 365 | | Ambient | | - Health Hazard | | | |
| | | | | | | | Not Otherwise Classified | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | |
|---------------------------------|---------------------------------|---|-------------------|--------------------------------|
| CERS Business/Org. | PG&E | Chemical Location | CERS ID | 10018894 |
| Facility Name | PG&E GATEWAY GENERATING STATION | Combustion Turbine-B Lube Oil Reservoir | Facility ID | 07-000-773723 |
| | 3225 Wilbur Ave, Antioch 94509 | | Status | Submitted on 8/23/2023 7:15 PM |
| | | | | |
| | | Annual Waste | | Hazardous Components |
| | | | | (For mixture only) |
| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | Federal Hazard |
| | | | Max. Daily | Categories |
| | | | Largest Cont. | Component Name |
| | | | Avg. Daily | % Wt |
| | | | Amount | EHS CAS No. |
| Combustible Liquid, Class III-B | Shell Turbo Oil T 32 | Gallons | 6000 | 6000 |
| | | | | 6000 |
| | CAS No | State | Storage Container | Pressure |
| | | Liquid | Other | Waste Code |
| | Map: Figure 2 Grid: C5 | Type | | Ambient |
| | | Mixture | Days on Site: 365 | Temperature |
| | | | | > Ambient |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | | |
|---------------------------------|---------------------------------|---------|-------------------|---------------|--------------------------------|----------------|---|--------------------------------|-----|---------|
| CERS Business/Org. | PG&E | | | | Chemical Location | | CERS ID | 10018894 | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | | | Construction Power Transformer | | Facility ID | 07-000-773723 | | |
| | 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | |
| | | | | Quantities | | Annual Waste | Hazardous Components | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Federal Hazard | Component Name | % Wt | EHS | CAS No. |
| | Mineral Oil | Gallons | 390 | 390 | 390 | | Dielectric Oil (highly refined petroleum oil) | 100% | | |
| Combustible Liquid, Class III-B | CAS No | State | Storage Container | | Pressue | | | | | |
| | | Liquid | Other | | Ambient | Waste Code | | | | |
| | Map: Figure 2 Grid: B6 | Type | | | Temperature | | | | | |
| | | Mixture | Days on Site: 365 | | > Ambient | | | | | |
| | | | | | | | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | |
|---------------------------------|---------------------------------|---------|-------------------|---------------|----------------------------------|---------------------------------------|--------------------------------|------|-------------|
| CERS Business/Org. | PG&E | | | | Chemical Location | CERS ID 10018894 | | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | | | Construction Trailer Transformer | Facility ID 07-000-773723 | | | |
| | 3225 Wilbur Ave, Antioch 94509 | | | | | Status Submitted on 8/23/2023 7:15 PM | | | |
| | | | | Quantities | | Annual Waste | Hazardous Components | | |
| | | | | | | Amount | (For mixture only) | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Federal Hazard | Component Name | % Wt | EHS CAS No. |
| Combustible Liquid, Class III-B | Mineral Oil | Gallons | 402 | 402 | 402 | | Dielectric Oil (highly refined | 100% | |
| | CAS No | State | Storage Container | | Pressue | | petroleum oil) | | |
| | | Liquid | Other | | Ambient | Waste Code | | | |
| | Map: Figure 2 Grid: C8 | Type | | | Temperature | | | | |
| | | Mixture | Days on Site: 365 | | > Ambient | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | |
|--------------------|--|------------------------------------|-------------|---------------------------------------|
| CERS Business/Org. | PG&E | Chemical Location | CERS ID | 10018894 |
| Facility Name | PG&E GATEWAY GENERATING STATION | CT A - PEEC and CT B - PEEC | Facility ID | 07-000-773723 |
| | 3225 Wilbur Ave, Antioch 94509 | | Status | Submitted on 8/23/2023 7:15 PM |

| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) | | |
|--|--|----------------|--------------------------|---------------|--------------------|---------------------|---------------------------|---|------|-------------|
| | | | Max. Daily | Largest Cont. | Avg. Daily | | | Component Name | % Wt | EHS CAS No. |
| DOT: 8 - Corrosives (Liquids and Solids) | AlphaCell OPzS Stationary Flooded Tubular Lead Acid Battery | Gallons | 357 | 3 | 357 | | - Physical | Lead, Lead Compounds | 62% | 7439-92-1 |
| | | <u>State</u> | <u>Storage Container</u> | | <u>Pressure</u> | <u>Waste Code</u> | Explosive | | | |
| Corrosive, Water Reactive, Class 2 | | Liquid | Other | | Ambient | | - Physical | Sulfuric Acid | 7% | ✓ 7664-93-9 |
| | | <u>Type</u> | | | <u>Temperature</u> | | Corrosive To Metal | | | |
| | <u>CAS No</u> | Mixture | Days on Site: 365 | | Ambient | | - Health | | | |
| | Map: Figure 2 Grid: C6, C5 | | | | | | Carcinogenicity | | | |
| | | | | | | | - Health Acute | | | |
| | | | | | | | Toxicity | | | |
| | | | | | | | - Health | | | |
| | | | | | | | Reproductive | | | |
| | | | | | | | Toxicity | | | |
| | | | | | | | - Health Skin | | | |
| | | | | | | | Corrosion | | | |
| | | | | | | | Irritation | | | |
| | | | | | | | - Health | | | |
| | | | | | | | Respiratory Skin | | | |
| | | | | | | | Sensitization | | | |
| | | | | | | | - Health Serious | | | |
| | | | | | | | Eye Damage Eye | | | |
| | | | | | | | Irritation | | | |
| | | | | | | | - Health Specific | | | |
| | | | | | | | Target Organ | | | |
| | | | | | | | Toxicity | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | | |
|---------------------------------|---------------------------------|---------|-------------------|---------------|----------------------------|----------------|---|--------------------------------|-----|---------|
| CERS Business/Org. | PG&E | | | | Chemical Location | | CERS ID | 10018894 | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | | | CT-A Auxiliary Transformer | | Facility ID | 07-000-773723 | | |
| | 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | |
| | | | | Quantities | | Annual Waste | Hazardous Components | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Federal Hazard | Component Name | % Wt | EHS | CAS No. |
| | Mineral Oil | Gallons | 6155 | 6155 | 6155 | | Dielectric Oil (highly refined petroleum oil) | 100% | | |
| | CAS No | State | Storage Container | | Pressue | | | | | |
| | | Liquid | Other | | Ambient | Waste Code | | | | |
| Combustible Liquid, Class III-B | Map: Figure 2 Grid: C6 | Type | | | Temperature | | | | | |
| | | Mixture | Days on Site: 365 | | > Ambient | | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | | |
|---------------------------------|---------------------------------|---------|-------------------|-----------------------------|-------------|----------------|---|--------------------------------|-----|---------|
| CERS Business/Org. | PG&E | | | Chemical Location | | | CERS ID | 10018894 | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | | CT-A Excitation Transformer | | | Facility ID | 07-000-773723 | | |
| | 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | |
| | | | | Quantities | | Annual Waste | Hazardous Components | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Federal Hazard | Component Name | % Wt | EHS | CAS No. |
| | Mineral Oil | Gallons | 414 | 414 | 414 | | Dielectric Oil (highly refined petroleum oil) | 100% | | |
| Combustible Liquid, Class III-B | CAS No | State | Storage Container | | Pressue | | | | | |
| | | Liquid | Other | | Ambient | Waste Code | | | | |
| | Map: Figure 2 Grid: C6 | Type | | | Temperature | | | | | |
| | | Mixture | Days on Site: 365 | | > Ambient | | | | | |
| | | | | | | | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

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|---------------------------------|---------------------------------|---------------------------|---------|-------------------|----------------------------|--------------|----------------------|--------------------------------|------|-------------|
| CERS Business/Org. | PG&E | | | | Chemical Location | | CERS ID | 10018894 | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | | | CT-A Isolation Transformer | | Facility ID | 07-000-773723 | | |
| 3225 Wilbur Ave, Antioch 94509 | | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | |
| | | | | Quantities | | Annual Waste | Hazardous Components | | | |
| DOT Code/Fire Haz. Class | | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Federal Hazard | (For mixture only) | | |
| | | | | | | Amount | Categories | Component Name | % Wt | EHS CAS No. |
| Combustible Liquid, Class III-B | | Mineral Oil | Gallons | 1413 | 1413 | 1413 | | Dielectric Oil (highly refined | 100% | |
| | | CAS No | State | Storage Container | | Pressue | | petroleum oil) | | |
| | | | Liquid | Other | | Ambient | Waste Code | | | |
| | | Map: Figure 2 Grid: C6 | Type | | | Temperature | | | | |
| | | | Mixture | Days on Site: 365 | | > Ambient | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

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|---------------------------------|---------------------------------|-------------|---------|-------------------------------|---------------|--------------|----------------------|--------------------------------|------|-------------|
| CERS Business/Org. | PG&E | | | Chemical Location | | | CERS ID | 10018894 | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | | CT-A Main Step-Up Transformer | | | Facility ID | 07-000-773723 | | |
| | 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | |
| | | | | Quantities | | Annual Waste | Hazardous Components | | | |
| DOT Code/Fire Haz. Class | | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Federal Hazard | (For mixture only) | | |
| | | | | | | Amount | Categories | Component Name | % Wt | EHS CAS No. |
| Combustible Liquid, Class III-B | | Mineral Oil | Gallons | 12800 | 12800 | 12800 | | Dielectric Oil (highly refined | 100% | |
| | | CAS No | State | Storage Container | | Pressue | | petroleum oil) | | |
| | | | Liquid | Other | | Ambient | Waste Code | | | |
| | Map: Figure 2 | Grid: C6 | Type | | | Temperature | | | | |
| | | | Mixture | Days on Site: 365 | | > Ambient | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

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|---------------------------------|---------------------------------|---------|-------------------|---------------|----------------------------|----------------|---|---------------|-----|---------|
| CERS Business/Org. | PG&E | | | | Chemical Location | | CERS ID | 10018894 | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | | | CT-B Auxiliary Transformer | | Facility ID | 07-000-773723 | | |
| 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | | |
| | | | | Quantities | | Annual Waste | Hazardous Components | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Federal Hazard | Component Name | % Wt | EHS | CAS No. |
| | Mineral Oil | Gallons | 6155 | 6155 | 6155 | | Dielectric Oil (highly refined petroleum oil) | 100% | | |
| Combustible Liquid, Class III-B | CAS No | State | Storage Container | | Pressue | | | | | |
| | | Liquid | Other | | Ambient | Waste Code | | | | |
| | Map: Figure 2 Grid: C5 | Type | | | Temperature | | | | | |
| | | Mixture | Days on Site: 365 | | > Ambient | | | | | |
| | | | | | | | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | | |
|---------------------------------|---------------------------------|---------|-------------------|---------------|-----------------------------|----------------|---|--------------------------------|-----|---------|
| CERS Business/Org. | PG&E | | | | Chemical Location | | CERS ID | 10018894 | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | | | CT-B Excitation Transformer | | Facility ID | 07-000-773723 | | |
| 3225 Wilbur Ave, Antioch 94509 | | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | |
| | | | | Quantities | | Annual Waste | Hazardous Components | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Federal Hazard | Component Name | % Wt | EHS | CAS No. |
| | Mineral Oil | Gallons | 414 | 414 | 414 | | Dielectric Oil (highly refined petroleum oil) | 100% | | |
| Combustible Liquid, Class III-B | CAS No | State | Storage Container | | Pressue | | | | | |
| | | Liquid | Other | | Ambient | Waste Code | | | | |
| | Map: Figure 2 Grid: C5 | Type | | | Temperature | | | | | |
| | | Mixture | Days on Site: 365 | | > Ambient | | | | | |
| | | | | | | | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | | |
|---------------------------------|---------------------------------|---------|-------------------|----------------------------|-------------|--------------------------------|---|------|-----|---------|
| CERS Business/Org. | PG&E | | | Chemical Location | CERS ID | 10018894 | | | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | | CT-B Isolation Transformer | Facility ID | 07-000-773723 | | | | |
| | 3225 Wilbur Ave, Antioch 94509 | | | | Status | Submitted on 8/23/2023 7:15 PM | | | | |
| | | | | Quantities | | Annual Waste | Hazardous Components | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Federal Hazard | Component Name | % Wt | EHS | CAS No. |
| | Mineral Oil | Gallons | 1413 | 1413 | 1413 | | Dielectric Oil (highly refined petroleum oil) | 100% | | |
| | CAS No | State | Storage Container | | Pressue | Waste Code | | | | |
| Combustible Liquid, Class III-B | | Liquid | Other | | Ambient | | | | | |
| | Map: Figure 2 Grid: C5 | Type | | | Temperature | | | | | |
| | | Mixture | Days on Site: 365 | | > Ambient | | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

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|---------------------------------|---------------------------------|---------------------------|---------|-------------------------------|---------------|--------------|----------------------|--------------------------------|------|-------------|
| CERS Business/Org. | PG&E | | | Chemical Location | | | CERS ID | 10018894 | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | | CT-B Main Step-Up Transformer | | | Facility ID | 07-000-773723 | | |
| 3225 Wilbur Ave, Antioch 94509 | | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | |
| | | | | Quantities | | Annual Waste | Hazardous Components | | | |
| DOT Code/Fire Haz. Class | | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Federal Hazard | (For mixture only) | | |
| | | | | | | Amount | Categories | Component Name | % Wt | EHS CAS No. |
| Combustible Liquid, Class III-B | | Mineral Oil | Gallons | 12800 | 12800 | 12800 | | Dielectric Oil (highly refined | 100% | |
| | | CAS No | State | Storage Container | | Pressue | | petroleum oil) | | |
| | | | Liquid | Other | | Ambient | Waste Code | | | |
| | | Map: Figure 2 Grid: C5 | Type | | | Temperature | | | | |
| | | | Mixture | Days on Site: 365 | | > Ambient | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

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|--------------------------------|---------------------------------|-------------------|--------------------------|---------------|----------------|---|--------------------------------|----------------|------|-------------|--|
| CERS Business/Org. | PG&E | Chemical Location | | | | CERS ID | 10018894 | | | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | Gas Conditioning Station | | | | Facility ID | 07-000-773723 | | | |
| 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | | | |
| | | | | | Annual Waste | Hazardous Components (For mixture only) | | | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | Federal Hazard | | | | | | |
| | | | Max. Daily | Largest Cont. | Avg. Daily | Amount | Categories | Component Name | % Wt | EHS CAS No. | |
| DOT: 2.2 - Nonflammable Gases | Helium, Compressed | Cu. Feet | 1168 | 292 | 1168 | | - Physical Gas | Helium | 100% | 7440-59-7 | |
| | CAS No | State | Storage Container | | Pressue | Waste Code | Under Pressure | | | | |
| | 7440-59-7 | Gas | Cylinder | | > Ambient | | - Health Simple | | | | |
| | Map: Figure 2 Grid: D4 | Type | | | Temperature | | Asphyxiant | | | | |
| | | Pure | Days on Site: 365 | | Ambient | | - Health Hazard | | | | |
| | | | | | | | Not Otherwise Classified | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | | |
|---|---------------------------------|--|-------------------|---------------|-------------|--------------|--------------------------------|-------------------------|---|-------------|
| CERS Business/Org. PG&E | | Chemical Location | | | | CERS ID | 10018894 | | | |
| Facility Name PG&E GATEWAY GENERATING STATION | | Hazardous Mat/Waste Storage (M9)-Warehouse | | | | Facility ID | 07-000-773723 | | | |
| 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | | |
| | | | | Quantities | | Annual Waste | | | Hazardous Components (For mixture only) | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Amount | Federal Hazard Categories | Component Name | % Wt | EHS CAS No. |
| DOT: 4.1 - Flammable Solids | Waste Flammable Solids, Organic | Pounds | 100 | 500 | 66 | 220 | - Physical | Flamable Solid, Organic | 100% | |
| Flammable Solid | CAS No | State | Storage Container | | Pressure | Waste Code | Flammable | | | |
| | | Solid | Steel Drum | | Ambient | 352 | | | | |
| | | Type | | | Temperature | | | | | |
| | Grid: B8, C3 | Waste | Days on Site: 365 | | Ambient | | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

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|--------------------------------|---------------------------------|----------------------------------|--------------------------|---------------|-------------|---------------------|--------------------------------|---|------|-------------|
| CERS Business/Org. | PG&E | Chemical Location | | | | | CERS ID | 10018894 | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | Hazardous Mat/Waste Storage Area | | | | Facility ID | 07-000-773723 | | | |
| 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) | | |
| | | | Max. Daily | Largest Cont. | Avg. Daily | | | Component Name | % Wt | EHS CAS No. |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
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| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | Non-RCRA Mixed Oil | Gallons | 250 | 55 | 26 | 800 | | Oil | | |
| | CAS No | State | Storage Container | | Pressue | Waste Code | | | | |
| | | Liquid | Steel Drum | | Ambient | 221 | | | | |
| | Map: Figure 2 Grid: B8, C3 | Type | | | Temperature | | | | | |
| | | Waste | Days on Site: 90 | | Ambient | | | | | |
| | Non-RCRA Solids (Oily Debris) | Pounds | 2000 | 500 | 1056 | 3000 | | | | |
| | CAS No | State | Storage Container | | Pressue | Waste Code | | | | |
| | | Solid | Steel Drum | | Ambient | 223 | | | | |
| | Map: Figure 2 Grid: B8, C3 | Type | | | Temperature | | | | | |
| | | Waste | Days on Site: 90 | | Ambient | | | | | |
| | RCRA Liquid Lab Bench Waste | Gallons | 30 | 30 | 25 | 136 | - Health Skin | Sulfuric Acid | | |
| | CAS No | State | Storage Container | | Pressue | Waste Code | Corrosion | | | |
| | | Liquid | Plastic/Non-metalic Drum | | Ambient | 791 | Irritation | | | |
| | Map: Figure 2 Grid: B8, C3 | Type | | | Temperature | | - Health Serious | | | |
| | | Waste | Days on Site: 90 | | Ambient | | Eye Damage Eye Irritation | | | |

Hazardous Materials And Wastes Inventory Matrix Report

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|--|--|------------------------------|-------------------|------------------|--------------|----------------------|--------------------------------|--------------------|------|-------------|
| CERS Business/Org. | PG&E | Chemical Location | | | | | CERS ID | 10018894 | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | Hazardous Waste Storage Area | | | | Facility ID | 07-000-773723 | | | |
| 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | | |
| | | Quantities | | | Annual Waste | Hazardous Components | | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Amount | Federal Hazard Categories | (For mixture only) | | |
| | | | | | | | | Component Name | % Wt | EHS CAS No. |
| DOT: 8 - Corrosives (Liquids and Solids) | Waste Sodium Hydroxide Contaminated Debris | Pounds | 5 | 10 | 5 | 5 | | | | |
| | | State | Storage Container | | Pressue | | | | | |
| | | Solid | Can | | Ambient | Waste Code | | | | |
| | | CAS No | | | Temperature | 181 | | | | |
| | | Type | | | | | | | | |
| | | Map: Figure 2 Grid: B8, C3 | Waste | Days on Site: 90 | | Ambient | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| CERS Business/Org. PG&E | | | Chemical Location | | | | CERS ID | 10018894 | | |
|--|---|-----------------|---|---------------|--------------------|---------------------|---------------------------|---|------|-------------|
| Facility Name PG&E GATEWAY GENERATING STATION | | | HRSGs (Heat Recovery Steam Generators) - A and B | | | | Facility ID | 07-000-773723 | | |
| 3225 Wilbur Ave, Antioch 94509 | | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) | | |
| | | | Max. Daily | Largest Cont. | Avg. Daily | | | Component Name | % Wt | EHS CAS No. |
| DOT: 2.2 - Nonflammable Gases | Argon, Compressed Gas | Cu. Feet | 1344 | 336 | 1344 | | - Physical Gas | Argon | 100% | |
| | <u>CAS No</u> | <u>State</u> | <u>Storage Container</u> | | <u>Pressue</u> | <u>Waste Code</u> | Under Pressure | | | |
| | | <u>Gas</u> | Cylinder | | > Ambient | | - Health Simple | | | |
| | Map: Figure 2 Grid: B5 | <u>Type</u> | | | <u>Temperature</u> | | Asphyxiant | | | |
| | | Pure | Days on Site: 365 | | Ambient | | - Health Hazard | | | |
| | | | | | | | Not Otherwise Classified | | | |
| DOT: 2.2 - Nonflammable Gases | EPA Protocol Gas (Carbon Monoxide/Nitrogen Mixture) | Cu. Feet | 1440 | 144 | 1440 | | - Physical Gas | Nitrogen | 88% | 7727-37-9 |
| | <u>CAS No</u> | <u>State</u> | <u>Storage Container</u> | | <u>Pressue</u> | <u>Waste Code</u> | Under Pressure | Carbon Monoxide | 13% | 630-08-0 |
| | | <u>Gas</u> | Cylinder | | > Ambient | | - Health Simple | | | |
| | Map: Figure 2 Grid: B5 | <u>Type</u> | | | <u>Temperature</u> | | Asphyxiant | | | |
| | | Mixture | Days on Site: 365 | | Ambient | | | | | |
| DOT: 2.2 - Nonflammable Gases | EPA Protocol Gas Carbon Monoxide 11/Nitric/Nitrogen Mixture | Cu. Feet | 864 | 144 | 864 | | - Physical Gas | Nitrogen | 99% | 7727-37-9 |
| | <u>CAS No</u> | <u>State</u> | <u>Storage Container</u> | | <u>Pressue</u> | <u>Waste Code</u> | Under Pressure | Nitric Oxide | 1% | 10102-43-9 |
| | | <u>Gas</u> | Cylinder | | > Ambient | | - Health Simple | Carbon Monoxide | 10% | 630-08-0 |
| | Map: Figure 2 Grid: B5 | <u>Type</u> | | | <u>Temperature</u> | | Asphyxiant | | | |
| | | Mixture | Days on Site: 365 | | Ambient | | | | | |
| DOT: 2.2 - Nonflammable Gases | EPA Protocol Gas Carbon Monoxide 660/Nitric/Nitrogen Mixture | Cu. Feet | 864 | 144 | 864 | | - Physical Gas | Nitrogen | 99% | 7727-37-9 |
| | <u>CAS No</u> | <u>State</u> | <u>Storage Container</u> | | <u>Pressue</u> | <u>Waste Code</u> | Under Pressure | Nitric Oxide | 1% | 10102-43-9 |
| | | <u>Gas</u> | Cylinder | | > Ambient | | - Health Simple | Carbon Monoxide | 20% | 630-08-0 |
| | Map: Figure 2 Grid: B5 | <u>Type</u> | | | <u>Temperature</u> | | Asphyxiant | | | |
| | | Mixture | Days on Site: 365 | | Ambient | | | | | |
| DOT: 2.2 - Nonflammable Gases | EPA Protocol Gas Nitric/Nitrogen Mixture | Cu. Feet | 576 | 144 | 576 | | - Physical Gas | Nitrogen | 99% | 7727-37-9 |
| | <u>CAS No</u> | <u>State</u> | <u>Storage Container</u> | | <u>Pressue</u> | <u>Waste Code</u> | Under Pressure | Nitric Oxide | 2% | 10102-43-9 |
| | | <u>Gas</u> | Cylinder | | > Ambient | | - Health Simple | | | |
| | Map: Figure 2 Grid: B5 | <u>Type</u> | | | <u>Temperature</u> | | Asphyxiant | | | |
| | | Mixture | Days on Site: 365 | | Ambient | | | | | |
| DOT: 2.2 - Nonflammable Gases | EPA Protocol Gas Nitrogen/Oxygen Mixture | Cu. Feet | 1152 | 144 | 1152 | | - Physical Gas | Nitrogen | 99% | 7727-37-9 |
| | <u>CAS No</u> | <u>State</u> | <u>Storage Container</u> | | <u>Pressue</u> | <u>Waste Code</u> | Under Pressure | Oxygen | 20% | 7782-44-7 |
| | | <u>Gas</u> | Cylinder | | > Ambient | | - Health Simple | | | |
| | Map: Figure 2 Grid: B5 | <u>Type</u> | | | <u>Temperature</u> | | Asphyxiant | | | |
| | | Mixture | Days on Site: 365 | | Ambient | | | | | |
| DOT: 2.2 - Nonflammable Gases | Helium, Compressed | Cu. Feet | 1344 | 336 | 1344 | | - Physical Gas | Helium | 100% | 7440-59-7 |
| | <u>CAS No</u> | <u>State</u> | <u>Storage Container</u> | | <u>Pressue</u> | <u>Waste Code</u> | Under Pressure | | | |
| | 7440-59-7 | <u>Gas</u> | Cylinder | | > Ambient | | - Health Simple | | | |
| | Map: Figure 2 Grid: B5 | <u>Type</u> | | | <u>Temperature</u> | | Asphyxiant | | | |
| | | Pure | Days on Site: 365 | | Ambient | | - Health Hazard | | | |
| | | | | | | | Not Otherwise Classified | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | | | |
|-------------------------------|---------------------------------|-------------------|--|---------------|-------------|--------------|---|--------------------------------|------|-----|-----------|
| CERS Business/Org. | PG&E | Chemical Location | | | | | CERS ID | 10018894 | | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | HRSGs (Heat Recovery Steam Generators) - A and B | | | | Facility ID | 07-000-773723 | | | |
| | 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | | |
| | | | Quantities | | | Annual Waste | Hazardous Components (For mixture only) | | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Amount | Federal Hazard Categories | Component Name | % Wt | EHS | CAS No. |
| DOT: 2.2 - Nonflammable Gases | Oxygen, Compressed | Cu. Feet | 1124 | 281 | 1124 | | - Physical Gas | Oxygen | 100% | | 7782-44-7 |
| Oxidizing Gas, Gaseous | CAS No | State | Storage Container | | Pressue | Waste Code | Under Pressure | | | | |
| | 7782-44-7 | Gas | Cylinder | | > Ambient | | - Physical Oxidizer | | | | |
| | Map: Figure 2 | Type | | | Temperature | | - Health Hazard | | | | |
| | Grid: B3, B5 | Pure | Days on Site: 365 | | Ambient | | Not Otherwise Classified | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | | |
|-------------------------------|------------------------------------|---|-------------------|---------------|--------------------------------|------------|---------------------------|-----------------------------------|------|-----------|
| CERS Business/Org. | PG&E | Chemical Location | | CERS ID | 10018894 | | | | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | HRSGs (Heat Recovery Steam Generators) - A and B, | | Facility ID | 07-000-773723 | | | | | |
| | 3225 Wilbur Ave, Antioch 94509 | Attached to Transformers | | Status | Submitted on 8/23/2023 7:15 PM | | | | | |
| | | | | | | | | | | |
| | | Quantities | | Annual Waste | Hazardous Components | | | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Amount | Federal Hazard Categories | Component Name (For mixture only) | | |
| DOT: 2.2 - Nonflammable Gases | Nitrogen, Compressed | Cu. Feet | 3263 | 251 | 3263 | | - Physical Gas | Nitrogen | 100% | 7727-37-9 |
| | CAS No | State | Storage Container | | Pressue | Waste Code | Under Pressure | | | |
| | 7727-37-9 | Gas | Cylinder | | > Ambient | | - Health Simple | | | |
| | Map: Figure 2 Grid: B5,C4,C5,C6 | Type | | | Temperature | | Asphyxiant | | | |
| | | Pure | Days on Site: 365 | | Ambient | | - Health Hazard | | | |
| | | | | | | | Not Otherwise Classified | | | |

Hazardous Materials And Wastes Inventory Matrix Report

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|---|------------------------|-----------------------|-------------------|---------------|-------------|---|--------------------------------|----------------|------|-------------|
| CERS Business/Org. PG&E | | Chemical Location | | | | CERS ID | 10018894 | | | |
| Facility Name PG&E GATEWAY GENERATING STATION | | Hydrogen Bulk Storage | | | | Facility ID | 07-000-773723 | | | |
| 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | | |
| | | | | | | Hazardous Components (For mixture only) | | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | | Annual Waste Amount | Federal Hazard Categories | Component Name | % Wt | EHS CAS No. |
| | | | Max. Daily | Largest Cont. | Avg. Daily | | | | | |
| DOT: 2.1 - Flammable Gases | Hydrogen, Compressed | Cu. Feet | 134000 | 134000 | 134000 | | - Physical | Hydrogen | 100% | 1333-74-0 |
| Flammable Gas | CAS No | State | Storage Container | | Pressue | Waste Code | Flammable | | | |
| | 1333-74-0 | Gas | Other | | > Ambient | | - Physical Gas | | | |
| | Map: Figure 2 Grid: D1 | Type | | | Temperature | | Under Pressure | | | |
| | | Pure | Days on Site: 365 | | Ambient | | - Health Simple | | | |
| | | | | | | | Asphyxiant | | | |
| | | | | | | | - Health Hazard | | | |
| | | | | | | | Not Otherwise | | | |
| | | | | | | | Classified | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | |
|---|------------------------|-----------------------|-------------------|---------------|---|---------------------------|---|------|-------------|
| CERS Business/Org. PG&E | | Chemical Location | | | CERS ID 10018894 | | | | |
| Facility Name PG&E GATEWAY GENERATING STATION | | Nitrogen Bulk Storage | | | Facility ID 07-000-773723 | | | | |
| 3225 Wilbur Ave, Antioch 94509 | | | | | Status Submitted on 8/23/2023 7:15 PM | | | | |
| | | | | | Hazardous Components (For mixture only) | | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) | | |
| | | | Max. Daily | Largest Cont. | Avg. Daily | | Component Name | % Wt | EHS CAS No. |
| DOT: 2.2 - Nonflammable Gases | Nitrogen, Compressed | Cu. Feet | 10944 | 304 | 10944 | - Physical Gas | Nitrogen | 100% | 7727-37-9 |
| | CAS No | State | Storage Container | | Pressue | Waste Code | Under Pressure | | |
| | 7727-37-9 | Gas | Cylinder | | > Ambient | | - Health Simple | | |
| | Map: Figure 2 Grid: D2 | Type | | | Temperature | | Asphyxiant | | |
| | | Pure | Days on Site: 365 | | Ambient | | - Health Hazard | | |
| | | | | | | | Not Otherwise Classified | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | | | | | |
|--------------------------------|---------------------------------|---------|-------------------|---------------|---------------------|---------------------|---------------------------|---|--------------------------------|---------------|-----------|--|--|
| CERS Business/Org. | PG&E | | | | Chemical Location | | | | CERS ID | 10018894 | | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | | | Phosphate Feed Skid | | | | Facility ID | 07-000-773723 | | | |
| 3225 Wilbur Ave, Antioch 94509 | | | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | | | |
| | | | | Quantities | | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) | | | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | | | Component Name | % Wt | EHS | CAS No. | | |
| | NALCO BT-3400 | Gallons | 400 | 400 | 400 | | - Health Skin | Sodium Hydroxide | 5% | | 1310-73-2 | | |
| | CAS No | State | Storage Container | | Pressue | Waste Code | Corrosion | Proprietary | 99% | | | | |
| | | Liquid | Tote Bin | | Ambient | | Irritation | | | | | | |
| | Map: Figure 2 Grid: B4 | Type | | | Temperature | | - Health Serious | | | | | | |
| | | Mixture | Days on Site: 365 | | Ambient | | Eye Damage Eye Irritation | | | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

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|--------------------|---------------------------------|-------------------------|-------------|--------------------------------|
| CERS Business/Org. | PG&E | Chemical Location | CERS ID | 10018894 |
| Facility Name | PG&E GATEWAY GENERATING STATION | Plant Services Building | Facility ID | 07-000-773723 |
| | 3225 Wilbur Ave, Antioch 94509 | | Status | Submitted on 8/23/2023 7:15 PM |

| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) | | |
|--|--------------------------------------|---------|-------------------|---------------|-------------|---------------------|---------------------------|---|------|-------------|
| | | | Max. Daily | Largest Cont. | Avg. Daily | | | Component Name | % Wt | EHS CAS No. |
| DOT: 8 - Corrosives (Liquids and Solids) | GNB Flooded HCT 37 Lead Acid Battery | Gallons | 834 | 14 | 834 | | - Physical | Lead | 52% | 7439-92-1 |
| | | State | Storage Container | | Pressue | | Explosive | | | |
| Corrosive, Water Reactive, Class 2 | CAS No | Liquid | Other | | Ambient | | - Physical | Sulfuric Acid | 44% | ✓ 7664-93-9 |
| | | Type | | | Temperature | | Corrosive To | Lead Dioxide | 21% | 1309-60-0 |
| | Map: Figure 2 Grid: B4 | Mixture | Days on Site: 365 | | Ambient | | Metal | | | |
| | | | | | | | - Health | | | |
| | | | | | | | Carcinogenicity | | | |
| | | | | | | | - Health Acute | | | |
| | | | | | | | Toxicity | | | |
| | | | | | | | - Health | | | |
| | | | | | | | Reproductive | | | |
| | | | | | | | Toxicity | | | |
| | | | | | | | - Health Skin | | | |
| | | | | | | | Corrosion | | | |
| | | | | | | | Irritation | | | |
| | | | | | | | - Health | | | |
| | | | | | | | Respiratory Skin | | | |
| | | | | | | | Sensitization | | | |
| | | | | | | | - Health Serious | | | |
| | | | | | | | Eye Damage Eye | | | |
| | | | | | | | Irritation | | | |
| | | | | | | | - Health Specific | | | |
| | | | | | | | Target Organ | | | |
| | | | | | | | Toxicity | | | |

Hazardous Materials And Wastes Inventory Matrix Report

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|--------------------|--|---------------------------|-------------|---------------------------------------|
| CERS Business/Org. | PG&E | Chemical Location | CERS ID | 10018894 |
| Facility Name | PG&E GATEWAY GENERATING STATION | RO Water Treatment | Facility ID | 07-000-773723 |
| | 3225 Wilbur Ave, Antioch 94509 | | Status | Submitted on 8/23/2023 7:15 PM |

| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) | | |
|--------------------------|-------------------------|----------------|--------------------------|---------------|--------------------|---------------------|---------------------------|---|------|-------------|
| | | | Max. Daily | Largest Cont. | Avg. Daily | | | Component Name | % Wt | EHS CAS No. |
| | Sodium Bisulfite | Gallons | 50 | 50 | 50 | | - Health Skin | Sodium Bisulfite | 20% | 763-90-5 |
| | <u>CAS No</u> | <u>State</u> | <u>Storage Container</u> | | <u>Pressue</u> | <u>Waste Code</u> | Corrosion | | | |
| | | Liquid | Tank Inside Building | | Ambient | | Irritation | | | |
| | Map: Figure 2 Grid: C2 | <u>Type</u> | | | <u>Temperature</u> | | - Health Serious | | | |
| | | Mixture | Days on Site: 365 | | Ambient | | Eye Damage Eye | | | |
| | | | | | | | Irritation | | | |
| | | | | | | | - Health Specific | | | |
| | | | | | | | Target Organ | | | |
| | | | | | | | Toxicity | | | |
| Corrosive | Sodium Hydroxide | Gallons | 75 | 75 | 75 | | - Physical | SODIUM HYDROXIDE | 100% | 1310-73-2 |
| | <u>CAS No</u> | <u>State</u> | <u>Storage Container</u> | | <u>Pressue</u> | <u>Waste Code</u> | Corrosive To | | | |
| | | Liquid | Aboveground Tank | | Ambient | | Metal | | | |
| | Map: Figure 2 Grid: C2 | <u>Type</u> | | | <u>Temperature</u> | | - Health Skin | | | |
| | | Pure | Days on Site: 365 | | Ambient | | Corrosion | | | |
| | | | | | | | Irritation | | | |
| | | | | | | | - Health Serious | | | |
| | | | | | | | Eye Damage Eye | | | |
| | | | | | | | Irritation | | | |

Hazardous Materials And Wastes Inventory Matrix Report

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|---|------------------------------------|--|-------------------|---------------|---------------------|---------------------------|---|---------------------|------|-------------|
| CERS Business/Org. PG&E | | Chemical Location | | | | CERS ID | 10018894 | | | |
| Facility Name PG&E GATEWAY GENERATING STATION | | Sodium Hexafluoride (Elect Equipment) Breakers | | | | Facility ID | 07-000-773723 | | | |
| 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | | |
| | | Quantities | | | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | | | Component Name | % Wt | EHS CAS No. |
| DOT: 2.2 - Nonflammable Gases | SF6 | Cu. Feet | 2043 | 639 | 2043 | | - Physical Gas | Sulfur Hexafluoride | 100% | 2551-62-4 |
| | CAS No | State | Storage Container | | Pressue | Waste Code | Under Pressure | | | |
| | 2551-62-4 | Gas | Other | | > Ambient | | - Health Simple | | | |
| | Map: Figure 2 Grid: C5,C6,D4,D5,D6 | Type | | | Temperature | | Asphyxiant | | | |
| | | Pure | Days on Site: 365 | | Ambient | | - Health Hazard | | | |
| | | | | | | | Not Otherwise Classified | | | |

Hazardous Materials And Wastes Inventory Matrix Report

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|---------------------------------|---------------------------------|---------|-------------------|-------------------------------------|-------------|----------------|-----------------------------------|--------------------------------|-----|---------|
| CERS Business/Org. | PG&E | | | Chemical Location | | | CERS ID | 10018894 | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | | ST Electro-Hydraulic Control System | | | Facility ID | 07-000-773723 | | |
| | 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | |
| | | | | Quantities | | Annual Waste | Hazardous Components | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Federal Hazard | Component Name | % Wt | EHS | CAS No. |
| | Hydraulic Oil | Gallons | 130 | 130 | 130 | | Highly refined mineral oil (C15 - | 99% | | |
| | CAS No | State | Storage Container | | Pressue | | C50) | | | |
| | | Liquid | Other | | Ambient | Waste Code | | | | |
| Combustible Liquid, Class III-B | Map: Figure 2 Grid: C4 | Type | | | Temperature | | | | | |
| | | Mixture | Days on Site: 365 | | > Ambient | | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

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|---------------------------------|---------------------------------|---------|-------------------|---------------------------|-------------|--------------------------------|---|------|-----|---------|
| CERS Business/Org. | PG&E | | | Chemical Location | CERS ID | 10018894 | | | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | | ST Excitation Transformer | Facility ID | 07-000-773723 | | | | |
| | 3225 Wilbur Ave, Antioch 94509 | | | | Status | Submitted on 8/23/2023 7:15 PM | | | | |
| | | | | Quantities | | Annual Waste | Hazardous Components | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Federal Hazard | Component Name | % Wt | EHS | CAS No. |
| | Mineral Oil | Gallons | 414 | 414 | 414 | | Dielectric Oil (highly refined petroleum oil) | 100% | | |
| | CAS No | State | Storage Container | | Pressue | | | | | |
| | | Liquid | Other | | Ambient | Waste Code | | | | |
| Combustible Liquid, Class III-B | Map: Figure 2 Grid: C4 | Type | | | Temperature | | | | | |
| | | Mixture | Days on Site: 365 | | > Ambient | | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

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|---------------------------------|---------------------------------|---------|-------------------|---------------|-----------------------------|---------------------|---------------------------|---|------|-------------|
| CERS Business/Org. | PG&E | | | | Chemical Location | | CERS ID | 10018894 | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | | | ST Main Step-Up Transformer | | Facility ID | 07-000-773723 | | |
| | 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | |
| | | | | Quantities | | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | | | Component Name | % Wt | EHS CAS No. |
| Combustible Liquid, Class III-B | Mineral Oil | Gallons | 14143 | 14143 | 14143 | | | Dielectric Oil (highly refined petroleum oil) | 100% | |
| | CAS No | State | Storage Container | | Pressue | | | | | |
| | | Liquid | Other | | Ambient | | Waste Code | | | |
| | Map: Figure 2 Grid: C4 | Type | | | Temperature | | | | | |
| | | Mixture | Days on Site: 365 | | > Ambient | | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

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|---------------------------------|---------------------------------|---------------------------|---------|-------------------|----------------------------------|--------------|----------------------|--------------------------------|------------------------------|------|-----|---------|
| CERS Business/Org. | PG&E | | | | Chemical Location | | CERS ID | 10018894 | | | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | | | Steam Turbine Lube Oil Reservoir | | Facility ID | 07-000-773723 | | | | |
| | 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | | | |
| | | | | Quantities | | Annual Waste | Hazardous Components | | | | | |
| DOT Code/Fire Haz. Class | | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Federal Hazard | (For mixture only) | | | | |
| | | | | | | | Amount | Categories | Component Name | % Wt | EHS | CAS No. |
| Combustible Liquid, Class III-B | | Refined Petroleum Oil | Gallons | 4800 | 4800 | 4800 | | | Highly Refined Petroleum Oil | 99% | | |
| | | CAS No | State | Storage Container | | Pressue | Waste Code | | Proprietary Additives | 5% | | |
| | | | Liquid | Other | | Ambient | | | | | | |
| | | Map: Figure 2 Grid: C4 | Type | | | Temperature | | | | | | |
| | | | Mixture | Days on Site: 365 | | > Ambient | | | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

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|--------------------|---------------------------------|-----------------------------|-------------|--------------------------------|
| CERS Business/Org. | PG&E | Chemical Location | CERS ID | 10018894 |
| Facility Name | PG&E GATEWAY GENERATING STATION | Stormwater Treatment System | Facility ID | 07-000-773723 |
| | 3225 Wilbur Ave, Antioch 94509 | | Status | Submitted on 8/23/2023 7:15 PM |

CERS ID **10018894**

Facility ID **07-000-773723**

| | |
|--------|--------------------------------|
| Status | Submitted on 8/23/2023 7:15 PM |
|--------|--------------------------------|

| | | | | | Annual Waste | Federal Hazard | Hazardous Components
(For mixture only) | | | | |
|--------------------------|---------------------------------|----------------|--------------------------|---------------|--------------------|-------------------|--|---------------------|------|-----|------------|
| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | | Amount | Categories | Component Name | % Wt | EHS | CAS No. |
| | | | Max. Daily | Largest Cont. | Avg. Daily | | | | | | |
| Corrosive | Tidal Clear Hybrid (TCH) | Gallons | 275 | 275 | 275 | | - Physical | Dialuminum Chloride | 30% | | 12042-91-0 |
| | <u>CAS No</u> | <u>State</u> | <u>Storage Container</u> | | <u>Pressue</u> | | Corrosive To | Pentahydroxide | | | |
| | | Liquid | Tote Bin | | Ambient | <u>Waste Code</u> | Metal | | | | |
| | Map: Figure 2 Grid: C9 | <u>Type</u> | | | <u>Temperature</u> | | - Health Serious | | | | |
| | | Mixture | Days on Site: 365 | | Ambient | | Eye Damage Eye Irritation | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

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|--------------------|--|-------------------|-------------|---------------------------------------|
| CERS Business/Org. | PG&E | Chemical Location | CERS ID | 10018894 |
| Facility Name | PG&E GATEWAY GENERATING STATION | Switchyard | Facility ID | 07-000-773723 |
| | 3225 Wilbur Ave, Antioch 94509 | | Status | Submitted on 8/23/2023 7:15 PM |

| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) | | |
|--|-------------------------------------|----------------|--------------------------|-------------------|--------------------|---------------------|---------------------------|---|------|-------------|
| | | | Max. Daily | Largest Cont. | Avg. Daily | | | Component Name | % Wt | EHS CAS No. |
| DOT: 8 - Corrosives (Liquids and Solids) | KCR-7 Lead Calcium Batteries | Gallons | 90 | 1.5 | 90 | | - Physical | Lead Calcium | 52% | 7439-92-1 |
| | <u>CAS No</u> | <u>State</u> | <u>Storage Container</u> | | <u>Pressue</u> | <u>Waste Code</u> | Explosive | Sulfuric Acid | 44% | ✓ 7664-93-9 |
| Corrosive, Water Reactive, Class 2 | Map: Figure 2 Grid: D4 | <u>Liquid</u> | Other | | <u>Ambient</u> | | - Physical | Lead Dioxide | 21% | 1309-60-0 |
| | | <u>Type</u> | Mixture | Days on Site: 365 | <u>Temperature</u> | | Corrosive To Metal | | | |
| | | | | | <u>Ambient</u> | | - Health | | | |
| | | | | | | | Carcinogenicity | | | |
| | | | | | | | - Health Acute | | | |
| | | | | | | | Toxicity | | | |
| | | | | | | | - Health | | | |
| | | | | | | | Reproductive | | | |
| | | | | | | | Toxicity | | | |
| | | | | | | | - Health Skin | | | |
| | | | | | | | Corrosion | | | |
| | | | | | | | Irritation | | | |
| | | | | | | | - Health | | | |
| | | | | | | | Respiratory Skin | | | |
| | | | | | | | Sensitization | | | |
| | | | | | | | - Health Serious | | | |
| | | | | | | | Eye Damage Eye | | | |
| | | | | | | | Irritation | | | |
| | | | | | | | - Health Specific | | | |
| | | | | | | | Target Organ | | | |
| | | | | | | | Toxicity | | | |

Hazardous Materials And Wastes Inventory Matrix Report

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|---------------------------------|--|--------------------------|-------------------|---------------|-------------|--------------|--|--|-----------|----------------------|
| CERS Business/Org. | PG&E | Chemical Location | | | | CERS ID | 10018894 | | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | Warehouse | | | Facility ID | 07-000-773723 | | | |
| | 3225 Wilbur Ave, Antioch 94509 | | | | | Status | Submitted on 8/23/2023 7:15 PM | | | |
| | | | Quantities | | | Annual Waste | Federal Hazard | Hazardous Components (For mixture only) | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Amount | Categories | Component Name | % Wt | EHS CAS No. |
| | Gas Turbine Compressor Cleaning Fluid | Gallons | 264 | 264 | 264 | | | Cleaning Fluid | | |
| | State | Storage Container | | | Pressue | Waste Code | | | | |
| | Liquid | Tote Bin | | | Ambient | | | | | |
| | CAS No | Type | | | Temperature | | | | | |
| | Map: Figure 2 Grid: B8-9 | Mixture | Days on Site: 365 | | Ambient | | | | | |
| | NALCO BT-3400 | Gallons | 110 | 55 | 55 | | - Health Skin Corrosion | Sodium Hydroxide Proprietary | 5% 99% | 1310-73-2 |
| | State | Storage Container | | | Pressue | Waste Code | | | | |
| | Liquid | Plastic/Non-metalic Drum | | | Ambient | | Irritation | | | |
| | CAS No | Type | | | Temperature | | - Health Serious Eye Damage Eye Irritation | | | |
| | Map: Figure 2 Grid: B8-9 | Mixture | Days on Site: 365 | | Ambient | | | | | |
| | NALCO Trac107 | Gallons | 110 | 55 | 55 | | - Health Skin Corrosion | Sodium Hydroxide Inorganic Salt Proprietary | 1% 5% 99% | 1310-73-2 |
| | State | Storage Container | | | Pressue | Waste Code | | | | |
| | Liquid | Plastic/Non-metalic Drum | | | Ambient | | Irritation | | | |
| | CAS No | Type | | | Temperature | | - Health Serious Eye Damage Eye Irritation | | | |
| | Map: Figure 2 Grid: B8-9 | Mixture | Days on Site: 365 | | Ambient | | | | | |
| Combustible Liquid, Class III-B | Petroleum Distillate | Gallons | 55 | 55 | 55 | | | Severely Hydrotreated Naphthenic Petroleum Oil BHT | 100% 0% | 64742-53-6 128-37-0 |
| | State | Storage Container | | | Pressue | Waste Code | | | | |
| | Liquid | Steel Drum | | | Ambient | | | | | |
| | CAS No | Type | | | Temperature | | | | | |
| | Map: Figure 2 Grid: B8-9 | Mixture | Days on Site: 365 | | Ambient | | | | | |
| Corrosive | Polypropylene glycol bis (aminopropyl) ether | Gallons | 66.5 | 1.85 | 66.5 | | - Health Acute Toxicity | Polyoxyalkyleneamine Nonyl Phenol | 60% 40% | 9046-10-0 84852-15-3 |
| | State | Storage Container | | | Pressue | Waste Code | | | | |
| | Liquid | Other | | | Ambient | | - Health Skin Corrosion | | | |
| | CAS No | Type | | | Temperature | | Irritation | | | |
| | 9046-10-0 | Mixture | Days on Site: 365 | | Ambient | | - Health Serious Eye Damage Eye Irritation | | | |
| Map: Figure 2 Grid: B8 | | | | | | | - Health Hazard Not Otherwise Classified | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Corrosive | Sodium Hydroxide (10-50%) | Gallons | 55 | 55 | 55 | | - Physical Corrosive To Metal | SODIUM HYDROXIDE | 50% | 1310-73-2 |
| | State | Storage Container | | | Pressue | Waste Code | | | | |
| | Liquid | Plastic/Non-metalic Drum | | | Ambient | | - Health Skin Corrosion | | | |
| | CAS No | Type | | | Temperature | | Irritation | | | |
| | 1310-73-2 | Mixture | Days on Site: 365 | | Ambient | | - Health Serious Eye Damage Eye Irritation | | | |
| Map: Figure 2 Grid: B8-9 | | | | | | | | | | |
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Hazardous Materials And Wastes Inventory Matrix Report

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|--------------------------|---------------------------------|---------|-------------------|---------------|-------------------|---------------------------|---|--------------------------------|-----|------------|
| CERS Business/Org. | PG&E | | | | Chemical Location | | CERS ID | 10018894 | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | | | | Warehouse | | Facility ID | 07-000-773723 | | |
| | 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | |
| | | | | Quantities | | Annual Waste Amount | Hazardous Components (For mixture only) | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Federal Hazard Categories | Component Name | % Wt | EHS | CAS No. |
| Corrosive | Tidal Clear Hybrid (TCH) | Gallons | 275 | 275 | 275 | - Physical | Dialuminum Chloride | 30% | | 12042-91-0 |
| | CAS No | State | Storage Container | | Pressue | Corrosive To | Pentahydroxide | | | |
| | | Liquid | Tote Bin | | Ambient | Waste Code | Metal | | | |
| | Map: Figure 2 Grid: B8-9 | Type | | | Temperature | - Health Serious | | | | |
| | | Mixture | Days on Site: 365 | | Ambient | Eye Damage Eye Irritation | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

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|--------------------|---------------------------------|---|--|--|--|-------------|--------------------------------|----------|--|--|--|
| CERS Business/Org. | PG&E | Chemical Location | | | | | CERS ID | 10018894 | | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | Warehouse - Hazardous Mat/Waste Storage | | | | Facility ID | 07-000-773723 | | | | |
| | 3225 Wilbur Ave, Antioch 94509 | | | | | Status | Submitted on 8/23/2023 7:15 PM | | | | |
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Hazardous Materials And Wastes Inventory Matrix Report

| | | | | |
|--------------------|--|---|-------------|---------------------------------------|
| CERS Business/Org. | PG&E | Chemical Location | CERS ID | 10018894 |
| Facility Name | PG&E GATEWAY GENERATING STATION | Warehouse, Behind (East of) Plant Service Building and Shop Annex Flammable Cabinet, Hazardous Mat/Waste Storage | Facility ID | 07-000-773723 |
| | 3225 Wilbur Ave, Antioch 94509 | | Status | Submitted on 8/23/2023 7:15 PM |

| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) | | |
|---------------------------------|------------------------------|----------------|--------------------------|---------------|--------------------|---------------------|---------------------------|---|------|-------------|
| | | | Max. Daily | Largest Cont. | Avg. Daily | | | Component Name | % Wt | EHS CAS No. |
| Combustible Liquid, Class III-B | Shell Morlina | Gallons | 150 | 5 | 67 | | | HIGHLY REFINED BASE OILS | 99% | 64742-54-7 |
| | <u>CAS No</u> | <u>State</u> | <u>Storage Container</u> | | <u>Pressue</u> | <u>Waste Code</u> | | | | |
| | | <u>Liquid</u> | Plastic Bottle or Jug | | <u>Ambient</u> | | | | | |
| | Map: Figure 2 Grid: C4, B8-9 | <u>Type</u> | | | <u>Temperature</u> | | | | | |
| Combustible Liquid, Class III-B | Shell Turbo | Gallons | 150 | 5 | 67 | | | HIGHLY REFINED BASE OILS | 99% | 64742-54-7 |
| | <u>CAS No</u> | <u>State</u> | <u>Storage Container</u> | | <u>Pressue</u> | <u>Waste Code</u> | | | | |
| | | <u>Liquid</u> | Plastic Bottle or Jug | | <u>Ambient</u> | | | | | |
| | Map: Figure 2 Grid: C4, B8-9 | <u>Type</u> | | | <u>Temperature</u> | | | | | |
| | | <u>Mixture</u> | Days on Site: 365 | | <u>Ambient</u> | | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | | |
|--------------------------|--|---|--------------------------|---------------|-------------|---------------------|--------------------------------|---|------|-------------|
| CERS Business/Org. | PG&E | Chemical Location | | | | CERS ID | 10018894 | | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | Warehouse, Behind Plant Services Building | | | | Facility ID | 07-000-773723 | | | |
| | 3225 Wilbur Ave, Antioch 94509 | | | | | Status | Submitted on 8/23/2023 7:15 PM | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) | | |
| | | | Max. Daily | Largest Cont. | Avg. Daily | | | Component Name | % Wt | EHS CAS No. |
| | | | | | | | | | | |
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| | | | | | | | | | | |
| | Gear Lubricant (Shell Omala S4 GX 320) | Gallons | 170 | 5 | 170 | | | Highly Refined Petroleum Oil | 99% | |
| | | State | Storage Container | | Pressue | Waste Code | | Proprietary Additives | 1% | |
| | | Liquid | Plastic/Non-metalic Drum | | Ambient | | | | | |
| | | Type | | | Temperature | | | | | |
| | Map: Figure 2 Grid: B8-9, C4 | Mixture | Days on Site: 365 | | Ambient | | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | | |
|--------------------------|---------------------------------|--|-----------------------|---------------|-------------|----------------------|---------------------------|--------------------------------|-----|-----------|
| CERS Business/Org. | PG&E | Chemical Location | | | | | CERS ID | 10018894 | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | Warehouse, Stormwater Treatment System | | | | | Facility ID | 07-000-773723 | | |
| | 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | |
| | | Quantities | | | Annual | Hazardous Components | | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Max. Daily | Largest Cont. | Avg. Daily | Waste Amount | Federal Hazard Categories | (For mixture only) | | |
| | Sodium Hydroxide (10-50%) | Gallons | 30 | 30 | 15 | | - Physical | SODIUM HYDROXIDE | 50% | 1310-73-2 |
| Corrosive | CAS No | State | Storage Container | | Pressue | Waste Code | Corrosive To | | | |
| | | Liquid | Plastic Bottle or Jug | | Ambient | | Metal | | | |
| | Map: Figure 2 Grid: C9, B8-9 | Type | | | Temperature | | - Health Skin | | | |
| | | Mixture | Days on Site: 365 | | Ambient | | Corrosion | | | |
| | | | | | | | Irritation | | | |
| | | | | | | | - Health Serious | | | |
| | | | | | | | Eye Damage Eye | | | |
| | | | | | | | Irritation | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | |
|--------------------|--|---|-------------|---------------------------------------|
| CERS Business/Org. | PG&E | Chemical Location | CERS ID | 10018894 |
| Facility Name | PG&E GATEWAY GENERATING STATION | Water Treatment Building / Fire Water Pump House | Facility ID | 07-000-773723 |
| | 3225 Wilbur Ave, Antioch 94509 | | Status | Submitted on 8/23/2023 7:15 PM |

| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) | | |
|--|--|----------------|--------------------------|---------------|--------------------|---------------------|---------------------------|---|------|-------------|
| | | | Max. Daily | Largest Cont. | Avg. Daily | | | Component Name | % Wt | EHS CAS No. |
| Combustible Liquid, Class II | Diesel Fuel | Gallons | 500 | 500 | 500 | | - Physical | Diesel Fuel | 100% | |
| | <u>CAS No</u> | <u>State</u> | <u>Storage Container</u> | | <u>Pressure</u> | <u>Waste Code</u> | Flammable | | | |
| | 68476-34-6 | Liquid | Tank Inside Building | | Ambient | | - Health | | | |
| | Map: Figure 2 Grid: C1 | <u>Type</u> | | | <u>Temperature</u> | | Carcinogenicity | | | |
| | | Mixture | Days on Site: 365 | | Ambient | | - Health Acute | | | |
| DOT: 8 - Corrosives (Liquids and Solids)
Corrosive, Water Reactive, Class 2 | Interstate Workaholic Lead Acid Battery | Gallons | 9 | 4.5 | 9 | | - Physical | Sulfuric Acid | 35% | 7439-92-1 |
| | | | | | | | Explosive | | | |
| | | | | | | | - Physical | | | |
| | | | | | | | Corrosive To | | | |
| | | | | | | | Metal | | | |
| | | | | | | | - Health | | | |
| | | | | | | | Carcinogenicity | | | |
| | | | | | | | - Health Acute | | | |
| | | | | | | | Toxicity | | | |
| | | | | | | | - Health | | | |
| | | | | | | | Reproductive | | | |
| | | | | | | | Toxicity | | | |
| | | | | | | | - Health Skin | | | |
| | | | | | | | Corrosion | | | |
| | | | | | | | Irritation | | | |
| | | | | | | | - Health | | | |
| | | | | | | | Respiratory Skin | | | |
| | | | | | | | Sensitization | | | |
| | | | | | | | - Health Serious | | | |
| | | | | | | | Eye Damage Eye | | | |
| | | | | | | | Irritation | | | |
| | | | | | | | - Health Specific | | | |
| | | | | | | | Target Organ | | | |
| | | | | | | | Toxicity | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | | | | | | | | | |
|--------------------------------|---------------------------------|----------------------------------|--------------------------|---------------|-------------|---------------------|--------------------------------|---|---------|--------------------------|--|-------------|------------|---------------|-------------|-----|--|
| CERS Business/Org. | PG&E | Chemical Location | | | | | CERS ID | 10018894 | | | | | | | | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | Water Treatment Chemical Storage | | | | | Facility ID | 07-000-773723 | | | | | | | | | |
| 3225 Wilbur Ave, Antioch 94509 | | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | | | | | | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) | | | | | | | | | |
| | | | Max. Daily | Largest Cont. | Avg. Daily | | | Component Name | % Wt | EHS CAS No. | | | | | | | |
| | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | |
| | NALCO 7408 | Gallons | 65 | 65 | 65 | | - Health Skin | Sodium Bisulfite | 60% | 7631-90-5 | | | | | | | |
| | CAS No | State | Storage Container | | Pressue | Waste Code | Corrosion | Proprietary | 70% | | | | | | | | |
| | | Liquid | Plastic/Non-metalic Drum | | Ambient | | Irritation | | | | | | | | | | |
| | Map: Figure 2 Grid: C2 | Type | | | Temperature | | - Health | | | | | | | | | | |
| | | Mixture | Days on Site: 365 | | Ambient | | Respiratory Skin Sensitization | | | | | | | | | | |
| | | | | | | | - Health Serious | | | | | | | | | | |
| | | | | | | | Eye Damage Eye | | | | | | | | | | |
| | | | | | | | Irritation | | | | | | | | | | |
| Corrosive | NALCO Stabrex ST20 | Gallons | 65 | 65 | 65 | | - Physical | Sodium Hydroxide | 5% | 1310-73-2 | | | | | | | |
| | | | | | | | | CAS No | State | Storage Container | | Pressue | Waste Code | Corrosive To | Proprietary | 99% | |
| | | | | | | | | | Liquid | Plastic/Non-metalic Drum | | Ambient | | Metal | | | |
| | | | | | | | | Map: Figure 2 Grid: C2 | Type | | | Temperature | | - Health Skin | | | |
| | | | | | | | | | Mixture | Days on Site: 365 | | Ambient | | Corrosion | | | |
| | | | | | | | Irritation | | | | | | | | | | |
| | | | | | | | - Health | | | | | | | | | | |
| | | | | | | | Respiratory Skin Sensitization | | | | | | | | | | |
| | | | | | | | - Health Serious | | | | | | | | | | |
| | | | | | | | Eye Damage Eye | | | | | | | | | | |
| | | | | | | | Irritation | | | | | | | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | | | | | | | |
|--|---------------------------------|--------------------------|--------------------------|-----|----------------|--|--------------------------------|---------------|-----------|------------|
| CERS Business/Org. | PG&E | Chemical Location | | | | CERS ID | 10018894 | | | |
| Facility Name | PG&E GATEWAY GENERATING STATION | WSAC Chem Feed Skid | | | | Facility ID | 07-000-773723 | | | |
| 3225 Wilbur Ave, Antioch 94509 | | | | | | Status | Submitted on 8/23/2023 7:15 PM | | | |
| | | | | | Annual Waste | Hazardous Components
(For mixture only) | | | | |
| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | Federal Hazard | Component Name | % Wt | EHS | CAS No. | |
| DOT: 8 - Corrosives (Liquids and Solids) | NALCO 3D TRASAR 3DT447 | Gallons | 110 | 110 | 110 | - Health Skin | Phosphoric Acid | 5% | 7664-38-2 | |
| | CAS No | State | Storage Container | | Pressue | Corrosion | Sulfuric Acid | 5% | 7664-93-9 | |
| | | Liquid | Plastic/Non-metalic Drum | | Ambient | Waste Code | Irritation | Tolyltriazole | 5% | 29385-43-1 |
| | Corrosive | Map: Figure 2 Grid: C3 | Type | | | Temperature | | | | |
| | | Mixture | Days on Site: 365 | | Ambient | | | | | |

Hazardous Materials And Wastes Inventory Matrix Report

| | | | | |
|--------------------|---------------------------------|-------------------------|-------------|--------------------------------|
| CERS Business/Org. | PG&E | Chemical Location | CERS ID | 10018894 |
| Facility Name | PG&E GATEWAY GENERATING STATION | WSAC Chemical Feed Skid | Facility ID | 07-000-773723 |
| | 3225 Wilbur Ave, Antioch 94509 | | Status | Submitted on 8/23/2023 7:15 PM |

| DOT Code/Fire Haz. Class | Common Name | Unit | Quantities | | | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) | | |
|--------------------------|------------------------|--------------|--------------------------|---------------|--------------------|---------------------|---------------------------|---|------|-------------|
| | | | Max. Daily | Largest Cont. | Avg. Daily | | | Component Name | % Wt | EHS CAS No. |
| | NALCO Stabrex ST70 | Gallons | 110 | 110 | 110 | | - Physical | Sodium Hydroxide | 5% | 1310-73-2 |
| | <u>CAS No</u> | <u>State</u> | <u>Storage Container</u> | | <u>Pressue</u> | <u>Waste Code</u> | Corrosive To | Proprietary | 99% | |
| | | Liquid | Plastic/Non-metalic Drum | | Ambient | | Metal | | | |
| | Map: Figure 2 Grid: C3 | <u>Type</u> | | | <u>Temperature</u> | | - Health Acute | | | |
| | | Mixture | Days on Site: 365 | | Ambient | | Toxicity | | | |
| | | | | | | | - Health Skin | | | |
| | | | | | | | Corrosion | | | |
| | | | | | | | Irritation | | | |
| | | | | | | | - Health | | | |
| | | | | | | | Respiratory Skin | | | |
| | | | | | | | Sensitization | | | |
| | | | | | | | - Health Serious | | | |
| | | | | | | | Eye Damage Eye | | | |
| | | | | | | | Irritation | | | |

Gateway Generating Station
(00-AFC-1C)

Annual Compliance Report No. 15

Exhibit 6

Copy of Notice of Intent (NOI) and Revised
SWPPP (October 2018) to comply with the
requirements of Industrial General Permit
(SOIL & WATER-3)

No changes relative to submitted Exhibit 6
in ACR #14



State Water Resources Control Board
NOTICE OF INTENT

GENERAL PERMIT TO DISCHARGE STORM WATER
ASSOCIATED WITH INDUSTRIAL ACTIVITY (WQ ORDER No. 2014-0057-DWQ)
(Excluding Construction Activities)



EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

WDID: 5S07I021950

Status: Active

Operator Information

Type: Private Business

Name: Pacific Gas Electric Company

Contact Name: Tim Wisdom

Address: PO Box 770000

Title: Plant Manager

Address 2:

Phone Number: 925-522-7812

City/State/Zip: San Francisco CA 94177

Email Address: T1WY@pge.com

Federal Tax ID:

Facility Information

Level:

Contact Name: Diana Furman

Title: Environmental Compliance Manager

Site Name: Gateway Generating Station

Address: 3225 Wilbur Ave

City/State/Zip: Antioch CA 94509

Site Phone #: 925-522-7838

County: Contra Costa

Email Address: dmwr@PGE.com

Latitude: 38.01228

Longitude: -121.75859

Site Size: 32.5 Acres

Industrial Area Exposed to Storm Water: 22 Acres

Percent of Site Impervious (Including Rooftops): 28 %

SIC Code Information

1. 4911 Electric Services

2.

3.

Additional Information

Receiving Water: San Joaquin River

Flow: Indirectly

Storm Drain System:

Compliance Group:

RWQCB Jurisdiction: Region 5S - Sacramento

Phone: 916-464-3291

Email: r5s_stormwater@waterboards.ca.gov

Certification

Name: Alvin Thoma

Date: October 12, 2016

Title: Senior Plant Manager

Stormwater Pollution Prevention Plan

Gateway Generating Station

WDID#: 5S07I021950

Facility Address: 3225 Wilbur Avenue, Antioch, CA 94509

Facility Contact:

Angel B. Espiritu, Environmental Compliance Manager
Pacific Gas & Electric Company
(925) 522-7838

Prepared for



***Pacific Gas and
Electric Company***

Storm Water Quality Group
3401 Crow Canyon Road, San Ramon, CA
Jeremy Laurin, Storm Water Work Supervisor
(925) 719-4466

Initial Preparation Date: December 2014
Revision Date: October 2018

EXECUTIVE SUMMARY

This storm water pollution prevention plan (SWPPP) was prepared in accordance with the requirements of the California State Water Resources Control Board (SWRCB) Industrial Storm Water Permit for Discharges Associated with Industrial Activity (Order No. 2014-0057-DWQ) which was adopted on April 1, 2014. This permit replaces Order No. 97-03-DWQ which had been in effect from August 1, 1997 through June 30, 2015.

This SWPPP identifies and evaluates all sources of pollutants that may affect the quality of industrial storm water discharges and authorized non-storm water discharges, identifies and describes the minimum best management practices (BMPs) and any advanced BMPs implemented to reduce or prevent pollutants in industrial storm water discharges and authorized non-storm water discharges.

Pacific Gas and Electric Company shall fully implement this SWPPP by July 1, 2015. The SWPPP will be revised whenever necessary and will be certified and submitted electronically to the SWRCB via the Storm Water Multi-Application and Report Tracking System (SMARTS).

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ACRONYMS AND ABBREVIATIONS

| | |
|----------------|--|
| AST | Aboveground Storage Tank |
| BMP | Best Management Practice |
| CFR | Code of Federal Regulations |
| COC | Chain of Custody |
| CWA | Clean Water Act |
| DDT | Dichlorodiphenyltrichloroethane |
| ECM | Environmental Compliance Manager |
| ELAP | Environmental Laboratory Accreditation Program |
| ELG | Effluent Limitation Guideline |
| ERA | Exceedance Response Action |
| General Permit | Industrial Storm Water Permit for Discharges Associated with Industrial Activity |
| HMBP | Hazardous Materials Business Plan |
| LRP | Legally Responsible Person |
| mg/L | Milligrams per liter |
| NAL | Numeric Action Level |
| NEC | No Exposure Certification |
| NOI | Notice of Intent |
| NOT | Notice of Termination |
| NPDES | National Pollutant Discharge Elimination System |
| NSWD | Non-Storm Water Discharge |
| OSHA | Occupational Health and Safety Administration |
| PG&E | Pacific Gas and Electric Company |
| PPT | Pollution Prevention Team |
| PRDs | Permit Registration Documents |
| QISP | Qualified Industrial Storm Water Practitioner |
| QSE | Qualifying Storm Event |
| RWQCB | Regional Water Quality Control Board |
| SIC | Standard Industrial Classification |
| SMARTS | Storm Water Multi-Application and Report Tracking System |
| SPCC | Spill Prevention Control and Countermeasure |
| SWPPP | Storm Water Pollution Prevention Plan |
| SWRCB | State Water Resources Control Board |
| WDID | Waste Discharge Identification |

STORM WATER POLLUTION PREVENTION PLAN SIGNATURE AND CERTIFICATION

I am duly authorized to sign reports required by the California State Water Resources Control Board Industrial Storm Water Permit for Discharges Associated with Industrial Activity. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Tim Wisdom
Tim Wisdom, Sr. Plant Manager

Feb-10, 2017
Date

1. INTRODUCTION

This industrial storm water pollution prevention plan (SWPPP) for Pacific Gas and Electric Company's (PG&E) Gateway Generating Station (facility) was prepared in accordance with the requirements of the California State Water Resources Control Board Industrial Storm Water Permit for Discharges Associated with Industrial Activity ("General Permit," Order NPDES No. CAS000001). A copy of the General Permit (Order No. 2014-0057-DWQ) dated April 1, 2014, is attached as Appendix A.

This SWPPP will be modified whenever there is a change in operation, maintenance or construction which may affect the discharge of pollutants to surface water. It will also be amended if it is found ineffective in achieving the stated objectives listed in the General Permit.

1.1 Background and Requirements

The Federal Clean Water Act (CWA) prohibits discharges from point sources to waters of the United States, unless the discharges are in compliance with a National Pollutant Discharge Elimination System (NPDES) permit. In 1987, the CWA was amended to establish a framework for regulating municipal storm water discharges and discharges associated with industrial activity under the NPDES program. Industrial storm water discharges are regulated pursuant to CWA section 402(p)(3)(A). This provision requires NPDES permits for industrial storm water discharges to comply with technology-based effluent limitations and water quality-based limitations, as well as implement best management practices (BMPs).

On April 17, 1997, the California State Water Resources Control Board (SWRCB) issued NPDES General Permit for Industrial Storm Water Discharges, Excluding Construction Activities, Water Quality Order 97-03-DWQ (previous permit). The current General Permit, Order 2014-0057-DWQ, rescinds the previous permit and serves as the statewide general permit for industrial storm water discharges. The General Permit requires dischargers to:

- Eliminate unauthorized non-storm water discharges (NSWDs);
- Develop and implement SWPPPs that include BMPs;
- Implement minimum BMPs, and advanced BMPs as necessary, to achieve compliance with the effluent and receiving water limitations of this General Permit;
- Conduct monitoring, including visual observations and analytical storm water monitoring for indicator parameters;
- Compare monitoring results for monitored parameters to applicable numeric action levels (NALs) derived from the U.S. EPA 2008 Multi-Sector General Permit for Storm Water Discharges Associated with Industrial Activity (2008 MSGP) and other industrial storm water discharge monitoring data collected in California;
- Perform the appropriate Exceedance Response Actions (ERAs) when there are exceedances of the NALs; and
- Certify and submit all permit-related compliance documents via the Storm Water Multiple Application and Report Tracking System (SMARTS). Dischargers shall certify and submit these documents which include, but are not limited to, Permit Registration Documents (PRDs) including Notices of Intent (NOIs), No Exposure Certifications (NECs), and SWPPPs, as well as Annual Reports, Notices of Termination (NOTs), Level 1 ERA Reports, and Level 2 ERA Technical Reports.

Copies of all PRDs are included in Appendix B.

1.2 SWPPP Performance Standards

This SWPPP identifies and evaluates all sources of pollutants from the facility that may affect the quality of industrial storm water discharges and authorized NSWDS. Additionally, this SWPPP identifies and describes the minimum BMPs and any advanced BMPs implemented to reduce or prevent pollutants in industrial storm water discharges and authorized NSWDS. BMPs will be selected to achieve compliance with this General Permit and will identify and describe conditions or circumstances which may require future revisions to be made to the SWPPP. A copy of the SWPPP shall be maintained at the facility.

1.3 SWPPP Implementation and Revisions

PG&E shall fully implement this SWPPP by July 1, 2015. The SWPPP shall be revised whenever necessary and will be certified and submitted electronically to the SWRCB via SMARTS within 30 days whenever the SWPPP contains significant revisions. Minor revisions are not required to be entered into SMARTS more than once every three months within a given reporting year. A log of all SWPPP revisions is included in Appendix C.

1.4 General Facility Information

Facility Name: Gateway Generating Station

Facility Address: 3225 Wilbur Avenue, Antioch CA 94509

Telephone Number: (925) 522-7838

Standard Industrial Classification (SIC) Code: 4911 (Electric Power Generating Facility)

Waste Discharge Identification (WDID) Number: 5S07I021950

Scheduled Facility Operating Hours: 24 hours/7 days (2 shifts)

Size of Facility: Approximately 32.5 acres

The facility is located in unincorporated Contra Costa County (within the City of Antioch's Sphere of Influence), on Wilbur Avenue, 1 mile northeast of Antioch, on the southern shore of the San Joaquin River (Figure 1). The operating portion of the site area is approximately 22 acres. The facility is a natural gas-fired, combined cycle, combustion turbine power plant with a nominal generation capacity of 530 megawatts. The facility includes the following building structures and areas:

- Two Combustion Turbine Electrical Generators;
- Steam Powered Electrical Generator;
- Wet Surface Air Cooler (Wet SAC);
- Fin Fan (Close-loop Cooling System);
- Air Cooled Condenser;
- Plant Services Building;
- Laydown Area for Equipment/Parts Staging;
- Warehouse;

- Hazardous Materials Storage Shed;
- Hazardous Waste Accumulation Storage Shed; AND
- Water Treatment Building.

Percent Impervious: ~28%

Facility Contact:

Name: Angel Espiritu

Title: Environmental Compliance Manager

Company: Pacific Gas and Electric Company

Phone: (925)522-7838

Email: ABE4@pge.com

Street Address: 3225 Wilbur Ave

City: Antioch

State: California

Zip Code: 94509

1.5 Pollution Prevention Team

PG&E has identified a Pollution Prevention Team responsible for assisting with the implementation of this SWPPP and for conducting all monitoring required under the General Permit. The specific individuals (and job title) that are responsible for developing, implementing, and revising this SWPPP and conducting monitoring are identified in the Table I.

Table I Pollution Prevention Team

| Name of Person | Title/Position | Responsibilities, Duties, and Activities |
|-----------------------|--|--|
| Jeremy Laurin | Water Quality Subject Matter Expert | Supervise SWPPP development and implementation; provide support and training to the ECM and Plant Manager; review of any documents uploaded to SMARTS; interface with the Regional and/or State Water Quality Control Boards when necessary. |
| Angel Espiritu | Environmental Compliance Manager (ECM) | Facility lead for storm water permit compliance, monitoring, and reporting; conduct employee training; supervise and/or conduct inspections and sampling, record and report maintenance; record and report spills and leaks; file documents in SMARTS; BMP Implementation, emergency response coordinator, spill cleanup coordination. |
| Name of Person | Title/Position | Responsibilities, Duties, and Activities |
| Steve Royall | Director, Fossil Generation | Legally Responsible Party (LRP); responsible for certification of Notice of Intent (NOI) within SMARTS. |
| Tim Wisdom | Sr. Plant Manager | Duly Authorized Representative (DAR); responsible for certification of documents within SMARTS. |
| Aman Singh | Maintenance Supervisor | BMP Implementation and maintenance. |
| David J. Hammond | Operations Supervisor | BMP Implementation and maintenance. |

| | | |
|---|--|---|
| David Thurston | Plant Engineer | Engineering guidance, supervision and review of BMPs. |
| Doug Welch or available on-shift Power Plant Technician | Plant Chemist or available on shift power plant technician | Storm water inspections and sampling. |

In the event that the Environmental Compliance Manager or other positions responsible for SWPPP implementation are temporarily unavailable to conduct storm water activities due to vacation, illness, out of town business or other absences, backup personnel will implement the SWPPP and conduct required monitoring. PG&E will train all backup personnel so they are familiar with storm water requirements.

The Environmental Compliance Manager, through the Operations or Maintenance Supervisor, will notify the backup PPT member of any expected absences. If the backup PPT member is unavailable, a tertiary individual will be selected and trained to perform the tasks necessary during the primary and secondary PPT member's absence. The backup PPT member has been trained to complete Environment Compliance Manager's tasks when the ECM is unexpectedly absent.

PG&E will ensure that this SWPPP is implemented and revised as necessary to be consistent with applicable municipal, state, and federal requirements that pertain to the requirements in the General Permit.

2. SITE LAYOUT AND EXISTING FACILITY PLANS (PERMIT SECTION X.E)

PG&E has prepared three figures illustrating the information required by the General Permit. These include Figure 1 Site Location Map, Figure 2 Facility Details Map, and the Figure 3 Storm Water Flow and BMP Map. The maps present the following information where applicable:

- Site location;
- North arrow;
- Facility boundary;
- Drainage areas;
- Portions of any drainage area impacted by discharges from surrounding areas;
- Direction of flow within each drainage area;
- On-facility surface water bodies;
- Areas of soil erosion;
- Nearby water bodies (e.g., rivers, lakes, wetlands);
- Municipal storm drain inlets;
- Location of storm water collection and conveyance systems;
- Points of discharge;
- Sampling locations;
- Structural control measures;
- Impervious areas;
- Locations of directly exposed materials;
- Locations of significant spills and leaks;
- Areas of industrial activity;
- Industrial storage areas/storage tanks;
- Shipping and receiving areas;
- Fueling areas;
- Vehicle and equipment storage/maintenance areas;
- Material handling/processing areas;
- Waste treatment and disposal areas;
- Dust or particulate generating areas;
- Cleaning and material reuse areas; and
- Other areas of industrial activity.

Storm water in Drainage Area A is generally conveyed from the south to the north. Surface run-off travels to drain inlets and/or rock-lined ditches which connect to a covered drainage conveyance into a concrete structure with flow valves. The valves on the outlet structure are typically left open to allow the discharge of stormwater in the wet season. The valves are typically left closed in the dry season to

provide an additional measure to capture potential pollutants if a spill occurred. Stormwater in Drainage Area B is contained in a depression centrally located in the drainage area and does not discharge. Additionally, there is no industrial activity in Drainage Area B. The facility details are shown on Figure 2.

3. LIST OF INDUSTRIAL MATERIALS (PERMIT SECTION X.F)

3.1 List of Industrial Materials Handled at the Facility

The following table lists the industrial materials stored or handled at the facility (as detailed in the Hazardous Materials Business Plan):

Table II Industrial Materials Handled at the Facility

| Material | How Stored | Receiving/Shipping and Handling Frequency | Storage Location | Typical Quantities |
|--|--------------------------------|--|--|---------------------------|
| Aqueous Ammonia (29%) | Aboveground Storage Tank (AST) | Weekly | Aqueous Ammonia Storage Area | 18,000 gallons |
| Pre-blended Phosphate/Caustic (Soap) | Tote | Daily | Plant Services Building | 460 gallons |
| Sodium Bisulfite | Tote | Monthly | Water Treatment Building | 50 gallons |
| Stabilized Bromine/Sodium Hydroxide | Tote | Monthly | Water Treatment Building and Wet SAC | 110 gallons |
| Sulfuric Acid | Tote | Semi-annual | Wet SAC | 35 gallons |
| Corrosion/Scale Inhibitor/Sodium Hydroxide | Tote | Semi-annual | Wet SAC | 110 gallons |
| Chlorine Scavenger | Tote | Monthly | Water Treatment Building | 65 gallons |
| Mineral Oil | Transformers | As needed | Transformers (throughout the site) and the inlet chiller | 58,000 gallons |
| Diesel Fuel No. 2 | AST | Weekly | Water Treatment Building | 500 gallons |
| Turbine Oil | Within Turbines / Drums | As needed | Combustion Turbines, Steam Turbine, Hazardous Materials / Waste Storage Shed | 17,000 gallon |

| Material | How Stored | Receiving/Shipping
and Handling
Frequency | Storage
Location | Typical
Quantities |
|--|--------------------|--|---|-------------------------------|
| Mixed Oil | Drum | As needed | Hazardous
Materials /
Waste Storage
Shed | 55 gallon |
| Hydraulic Oil | Steam Turbine | As needed | Steam Turbine | 130
gallons |
| Liquid Carbon Dioxide | Cylinder | As needed | Combustion
Generators
and CO2 Bulk
Storage | 36,000
gallons |
| Argon | Cylinder | As needed | Combustion
Turbines | 1,344
cubic feet |
| EPA Protocol Gases
(Carbon Monoxide /
Nitrogen / Oxygen /
Nitric Oxide) | Cylinder | As needed | Combustion
Turbines | 4,896
cubic feet |
| Helium | Cylinder | As needed | Combustion
Turbines and
Gas
Conditioning
Station | 2,200
cubic feet |
| Oxygen | Cylinder | As needed | Combustion
Turbines | 1,124
cubic feet |
| Hydrogen | Cylinder | As needed | Tube Trailer
and Gas
Conditioning
Station | 134,200
cubic feet |
| Nitrogen | Cylinder | As needed | Combustion
Turbines,
Steam
Turbine, Inlet
Chiller | 8,735
cubic feet |
| Propane | Cylinder | As needed | Combustion
Turbines and
Plant Services
Building | 60 pounds |
| Acetylene | Cylinder | As needed | Plant Services
Building | 1,700
cubic feet |
| Petroleum Distillates | Within Transformer | As needed | Spare GSU
Transformer | 14,000
gallon |
| Refined Petroleum Oil | Drum | As needed | Spare GSU
Transformer | 55 gallons |

| Material | How Stored | Receiving/Shipping
and Handling
Frequency | Storage
Location | Typical
Quantities |
|---|------------------------------|--|---|-------------------------------|
| Dielectric Fluid | Transformer housing | As needed | Plant Services Building
Transformers, Water Treatment Building, Combustion Turbines, Main Electrical Control Enclosure and Inlet Chiller | 4,800 gallons |
| Gear Lubricant | Gear Boxes (36) and Drums | As needed | Air Cooled Condenser Gear Boxes (36), Warehouse and Hazardous Materials / Waste Storage Shed | 540 gallons |
| Lead Acid Batteries | Within Electrical Equipment | As needed | Combustion Turbines | 48,000 pounds |
| Lead Calcium Batteries | Within Electrical Equipment | As needed | Switchyard | 90 gallons |
| Sulfur Hexafluoride | Internally within breakers | As needed | Sulfur Hexafluoride Breakers | 774 pounds |
| Carbon Dioxide, Gas | Cylinders | As needed | Stormwater Treatment System | 6,620 cubic feet |
| HaloKlear BHR-50 | Plastic Tote | As needed | Stormwater Treatment System | 275 gallons |
| Yardney 3660 Media Filter (glass media beads) | Within Equipment | As needed | Stormwater Treatment System | 6,300 pounds |
| Sodium Hydroxide | Plastic Container | As needed | Stormwater Treatment System | 30 gallons |
| Non-hazardous trash | In enclosed dumpster | Daily | Laydown in roofed area | 3 yards |
| Metal scraps for recycling | Roll-off bin with tarp cover | Weekly | Laydown area | 20 yards |

| Material | How Stored | Receiving/Shipping
and Handling
Frequency | Storage
Location | Typical
Quantities |
|---|--|--|--|-------------------------------|
| Wood Pallets | Outside | Daily | Laydown | 50 to 100
total |
| Plastics | In enclosed dumpster | Daily | Laydown in
roofed area | 3 yards |
| Recyclables | In enclosed dumpster | Daily | Laydown in
roofed area | 3 yards |
| Cardboard | In enclosed
cardboard compactor | Daily | Laydown in
roofed area | 3 yards |
| RCRA Waste
(i.e., waste absorbent) | In secondary-
contained drums
within covered waste
storage area | As needed | Hazardous
Materials /
Waste Storage
Sheds | 55 gallons |
| Non-RCRA Waste
(i.e. oily debris) | In secondary-
contained drums
within covered waste
storage area | As needed | Hazardous
Materials /
Waste Storage
Sheds | 55 gallons |
| Universal Waste
(i.e., batteries and
fluorescent light bulbs) | Bins | As needed | Hazardous
Materials /
Waste Storage
Sheds | 5 pounds |
| Monoethanolamine
(30%-60%) | Tote | As needed | Northeast
corner of Air
Cooled
Condenser
(ACC) | 400 gallons |
| Cooling Water Inhibitor
(3DTRASAR) | Tote | As needed | Water
Treatment
Building | 110 gallons |
| Antiscalant (Avista
Vitec) | Drum | As needed | Water
Treatment
Building | 60 gallons |
| Antifungal/bacteria/slime
(Stabrex) | Tote | As needed | Water
Treatment
Building | 110 gallons |
| Simple Green | 2.5 gallon Containers | As needed | East of the
Plant Services
Building | 10 gallons |
| Reclaimed water | Tanks | Daily | East of the
Water
Treatment
Building | 140,000
gallons |
| Wastewater | Tank | Daily | East of the
Water
Treatment
Building | 40,000
gallons |

| Material | How Stored | Receiving/Shipping
and Handling
Frequency | Storage
Location | Typical
Quantities |
|---|-------------------|--|---|---|
| Turbine Cleaning Fluid | Tote | As needed | Parts and
Miscellaneous
Storage
Building | 250 gallons |
| Various solvents,
degreasers, paints,
adhesives, etc. | Fire Cabinet | As needed | East of the
Plant Service
Building | Typically
less than 1
gallon each |

4. DESCRIPTION OF POTENTIAL POLLUTANT SOURCES (PERMIT SECTION X.F AND G)

4.1 Industrial Processes

Gateway Generating Station facility manufactures electricity through the use of two natural gas fired combustion turbines and a steam powered generator. The industrial materials utilized throughout the facility are detailed in Table II. All industrial processes associated with manufacturing occur at locations denoted on Figure 2.

Industrial materials imported to the site are imported directly into the warehouse, directly to aqueous ammonia storage tank, the water treatment plant and the wet surface air cooler. Handling, shipping and receiving of hazardous materials including waste occurs at the frequencies denoted in Table II above. Storage areas identified in Table II are also denoted in Figure 2. These areas are further described as follows.

The aqueous ammonia is stored in an area that houses two 20,000 gallon capacity tanks. These tanks sit above grade within a secondary containment unit and a sump. This area has sufficient storage capacity to meet the facility's Risk Management Plan requirements. Storm water that collects in this sump is discharged to the sanitary sewer per a separate permit. This storage area has its own loading ramp that drains to the secondary containment sump below the tanks.

The hazardous materials storage shed, hazardous waste storage shed and hazardous materials accumulation shed are all covered sheds with secondary containment that meets the facilities hazardous materials business plan (HMBP) and SPCC plan requirements. The various oils the facility uses are stored within these sheds in 55 gallon drums. In addition to those drums universal waste and used absorbent is also stored within these sheds. Materials and wastes are moved using services vehicles.

All hazardous materials associated with the water treatment plant including the diesel fuel used for the emergency fire water system are housed in a roofed water treatment building. Secondary containment for these materials is provided. All of the ASTs within this area are filled by bulk delivery.

There are various transformers throughout the facility. These transformers are filled with dielectric oil and are housed in secondary containment that meets the facility's SPCC plan requirements.

Various hazardous materials are stored adjacent to the wet surface air cooler. These materials are all stored in sealed tanks within secondary containment. These tanks are filled by bulk delivery.

Trash, recyclable materials, and cardboard are accumulated in three separate dumpsters. The dumpsters have lids which are closed when the dumpsters are not actively used. To further isolate the dumpsters from exposure to storm water, they are housed under a roof.

Metals for recycling are accumulated in a roll off bin or bins and are covered when not actively in-use.

Various pressurized gases are stored throughout the facility for various uses. These pressurized gases are stored according to all applicable HMBP requirements.

Various batteries are stored throughout the facility for various uses. These batteries are stored in roofed buildings and according to all applicable HMBP requirements.

4.2 Material Receiving, Shipping, and Handling

Receiving

The facility receives regular deliveries of the materials listed in Table II. The materials stored in larger tanks are delivered by service trucks and are directly loaded into the respective vessels. Receiving and loading of materials (e.g., fuels, fuel additives, oils, and ammonia) is performed at the respective material storage areas. Other sources include smaller quantities of oils used in transformers, sulfuric acid used in batteries, and oils used in miscellaneous equipment and machines which are delivered to their various storage locations throughout the facility, including but not limited to the warehouse, plant services building, parts and miscellaneous storage building, and the water treatment building.

Material Handling

The primary function of the power plant facility is to generate electricity through a combined-cycle process utilizing natural gas as fuel. The potential pollutants at the facility are used in ancillary functions such as lubricants, aqueous ammonia for emissions control, and other various maintenance fluids. Most materials and wastes are transported via on-site pipe networks. For example, potable water is piped to the facility from a municipal water purveyor to the water treatment area and then transferred from the treatment plant to the boilers and other heat exchange equipment. Used water is conveyed to the sanitary sewer. Small quantities of other materials and wastes, typically for maintenance activities, are moved using services vehicles. There is a seldom used parts cleaning machine that is located outdoors, immediately east of the plant services building.

Waste

General trash is accumulated in dumpsters located north of the inlet chiller. The waste dumpster area is equipped with a storm resistant shelter. Trash is transferred to a collection facility by a service vendor.

Metals for recycling are accumulated in two dumpsters that are equipped with lids. One metal disposal dumpster is located near the trash dumpsters and the other is located east of the parts and miscellaneous storage building. Occasionally, roll-off dumpsters are placed near the warehouse during maintenance and repair operations.

Hazardous waste is temporarily stored onsite in storage sheds located east of the plant service building and the south-east corner of the warehouse. The majority of hazardous waste produced at the facility is waste oil sludge and used lubricating oil. Hazardous waste is picked up by a waste disposal vendor as necessary, though typically picked up more frequently; the hazardous waste vendor is on 90-day maximum schedule. An industrial service vendor visits the site weekly to perform a required weekly inspection and schedule waste pick-up.

The water-side effluent from the oil/water separator is conveyed to the sanitary sewer along with other waste water generated from plant operation. The oily sludge effluent is transported offsite for proper disposal.

Portable toilets are commonly placed onsite in various locations for construction and maintenance projects and are serviced regularly by a service vendor.

Shipping

The industrial product produced at the facility is electricity and therefore shipping of industrial products does not occur at this facility. The electricity generated at the facility is transmitted through the substation located west of the facility.

4.3 Dust and Particle Generating Activities

PG&E does not conduct any activities that generate dust and/or particles. The vents located on the combustion turbines are designed only for heat dissipation. The active areas of the site are paved or covered in gravel to prevent dusting.

4.4 Significant Spills and Leaks

Significant spills and leaks include any toxic chemicals identified in 40 Code of Federal Regulations (CFR) Section 302 that are discharged into the facilities' storm water conveyance system as reported on U.S. EPA Form R, as well as spills or leaks of oil and hazardous substances in excess of reportable quantities (40 CFR §§ 110, 117, and 302). PG&E contracts with a service vendor to respond to any significant spills of fuels, oil or other materials. During the routine monthly inspections, PG&E will evaluate the facility in areas where spills and leaks could potentially occur during material delivery, unloading, loading, transport, storage/containment, or use. There have not been any significant spills or leaks of industrial materials at this facility in the last five years that had potential to be discharged from the facility.

In accordance with the facility SPCC Plan and the General Permit, in the event that significant spills or leaks occur in the future, for each potential discharge PG&E will record and document the following information: the location, characteristics, and approximate quantity of the materials spilled or leaked; approximate quantity of the materials discharged from the facility's storm water conveyance system; the cleanup or remedial actions that have occurred or are planned; the approximate remaining quantity of materials that have the potential to be discharged; and the preventive measures taken to ensure spills or leaks of the material do not reoccur.

4.5 Non-Storm Water Discharges

A NSW is any water discharged at the Facility which is not the direct result of a rain event. Examples include process water, cooling water, wash water, and sanitary wastewater. Certain limited categories of NSWs are considered to be authorized by the General Permit (as long as they are not in violation of any Basin Plan, municipal agency ordinance, or other statewide water quality control plans or policy requirements), including: fire hydrant flushing; potable water sources; drinking fountain water; refrigeration, air conditioning, and compressor condensate; irrigation drainage and landscape watering; uncontaminated natural springs, groundwater, and foundation/footing drainage; seawater infiltration; and incidental windblown mist from cooling towers.

Authorized NSWs at the Gateway Generating Station facility are expected to be prevented or minimized and would occur at an unknown frequency if they arise with the exception of the fire system flushing. The fire system is flushed annually and the quantity of water would be equal to the amount in the system or necessary to flush the system. Expected authorized NSWs include:

- Fire system flushing water;
- Irrigation water;
- Eye wash system flushing and testing water; and
- Air conditioning or compressor condensate.

The NSWDs listed above are authorized by the General Permit if all of the following conditions are met:

- The NSWDs are in compliance with Regional Water Quality Control Board (RWQCB) requirements;
- The NSWDs are in compliance with local agency ordinances and/or requirements;
- BMPs are specifically included in the SWPPP to (1) prevent or reduce the contact of NSWDs with significant materials or equipment and (2) minimize, to the extent practicable, the flow or volume of NSWDs;
- The NSWDs do not contain significant quantities of pollutants;
- The monitoring program includes quarterly visual observations of each NSWD and its sources to ensure that BMPs are being implemented and are effective; and
- The NSWDs are reported and described annually as part of the Annual Report.

As part of the routine monthly site inspections, PG&E will conduct an evaluation of the facility to identify any NSWDs, sources, and drainage areas. The inspection will include an evaluation of all storm drain inlets to identify connections to the storm water conveyance system; and a description of any NSWDs and how any which have occurred and have been eliminated. In the event that NSWDs are discovered, they will be described on the inspection form located in Appendix E of the SWPPP. This description will include the source, quantity, frequency, and characteristics of the NSWDs, associated drainage area, and whether it is an authorized or unauthorized NSW.

Potential unauthorized NSWs at the Gateway Generating Station Facility include:

- Secondary containment failure;
- Pipeline leak, rupture, or failure;
- Contaminated water in sumps;
- Leaks or spills from portable restrooms; and
- Leaks or spills from service vehicles or portable equipment.

Unauthorized NSWs have been eliminated or prevented through the use of sumps, secondary containment structures, an oil/water separator, drains that convey waste to the oil/water separator, controlled site access, and the placement and maintenance of numerous spill clean-up kits throughout the facility.

4.6 Erodible Surfaces

There are three vegetated areas (Figure 3) that may be considered erodible surfaces at the facility. The only unpaved areas within the active facility exposed to storm water are flat gravel-capped surfaces between structures and adjacent to roadways, and three vegetated surfaces on the northeastern edge of the property.

The southern portion of the facility is inactive and self-contained, with a berm which surrounds the entire perimeter. This area has also been graded into a depression and decompacted to help increase infiltration of any storm water that lands within the area.

5. ASSESSMENT OF POTENTIAL POLLUTANT SOURCES (PERMIT SECTION X.G.2)

5.1 Narrative Assessment of Likely Pollutants Present in Storm Water Discharges

PG&E conducts frequent preventive maintenance to ensure that plant machinery, equipment and storage vessels are in good working order. The most likely potential pollutants in storm water discharges are the materials listed in Table II. Approximately 28 storm water catch basins drain the site and are located throughout the facility and in proximity to material storage areas. PG&E has implemented BMPs to control the offsite migration of potential pollutants by following good housekeeping, requiring immediate cleanup of spills, and by installing filter screens (Dandy Pops®) in storm water catch basins on the site, as appropriate. The filter screens are cleaned and/or replaced as needed.

5.2 Identification of Additional BMPs

In the event that conditions change or monitoring results indicate a need, PG&E will consider identifying additional BMPs to address the changed conditions or constituents of concern.

5.3 Identification of Drainage Areas with No Exposure

There is one drainage area at the facility with no exposure, as indicated on Figure 2. The southern area meets the requirements for no exposure, as there are no industrial activities occurring within it.

5.4 Identification of Additional Parameters

In addition to the standard parameters required for all industrial facilities (pH, oil & grease, and total suspended solids), PG&E will continue to analyze for total iron, as per the SIC code 4911 requirements of Table 1 and Attachment A of the General Permit.

The facility drains to the Delta Waterways (western portion) which is in the HUC 10 watershed of the site. The 303(d) listed impairments for the Delta include: Chlordane; Chlorpyrifos; Dichlorodiphenyltrichloroethane (DDT); Diazinon; Dieldrin; Dioxin; Dioxin compounds (including 2,3,7,8-TCDD); Disulfoton; Electrical Conductivity; Escherichia coli (E. coli); Furan Compounds; Group A Pesticides; Invasive Species; Mercury; Organic Enrichment/Low Dissolved Oxygen; Oxygen, Dissolved; Low Dissolved Oxygen; Pathogens; PCBs (Polychlorinated biphenyls) (dioxin-like); PCBs (Polychlorinated biphenyls); Selenium; and Unknown Toxicity. The sources of the impairments listed are primarily caused by agricultural sources or mineral resource extraction and the Gateway Generating Station does not have the potential to discharge most of the pollutants; however, electrical conductivity may be an exception.

Electrical Conductivity is a measure of the ability of water to pass an electrical current. Conductivity in water is affected by the presence of inorganic dissolved solids such as chloride, nitrate, sulfate, and phosphate anions (ions that carry a negative charge) or sodium, magnesium, calcium, iron, an aluminum cations (ions that carry a positive charge). Though the General Permit does not have a Numeric Action Level for electrical conductivity, the facility has the potential to discharge inorganic dissolved solids and analytical results may be beneficial as an indicator of other pollutant concerns; therefore, the facility will also collect and analyze samples for electrical conductance.

6. STORM WATER BEST MANAGEMENT PRACTICES (PERMIT SECTION X.H)

This section describes the BMPs implemented and maintained as a result of the activities assessment in Section 4. The current BMPs, when properly maintained, are effective for the operations at the facility. BMPs are divided into minimum and advanced measures.

6.1 Minimum BMPs (PERMIT SECTION X.H.1)

6.1.1 Good Housekeeping

- **Monthly Visual Inspections.** Once per calendar month, PG&E inspects all outdoor areas associated with industrial activity, including storm water discharge locations, drainage areas, conveyance systems, waste handling/disposal areas, and perimeter areas impacted by off-facility materials or storm water run-on to determine housekeeping needs. Any identified debris, waste, spills, tracked materials, or leaked materials identified during the inspections are cleaned and disposed of properly.
- **Tracking Control.** Although there is low potential for tracking of sediment at the facility, paved surfaces are swept on a monthly basis. Additionally sweeping will occur as needed.
- **Dust Control.** PG&E's power generation process does not generate dust, and the surface of the site is either paved, has a gravel cap, or is vegetated. Therefore, there is no need to implement dust control at this facility.
- **Cleaning Areas Impacted by Rinse/Wash Waters.** No washing or rinsing of equipment is performed at the facility. Parts are washed within an enclosed parts washer, within the roofed Plant Services building.
- **Industrial Materials Storage Control.** The facility stores all materials and performs all activities that involve hazardous materials under roofed areas (buildings or storage containers), within secondary containment, or during dry weather, if possible.
- **Control of Non-Solid Industrial Materials/Wastes.** The facility contains all stored non-solid industrial materials or wastes (e.g., fuel, waste oil) that can be transported or dispersed by wind or contact with storm water. Spill kits are maintained appropriately and allow for immediate response to spills. In addition, all materials are stored within secondary containment to prevent any spilled or leaked material from being transported by storm water. Numerous secondary containment structures have been designed and constructed throughout the facility to contain spills, leaks, or ruptures from various tanks and oil filled equipment. The secondary containment structures have been designed per SPCC requirements to contain the capacity of either 100 percent of the largest tank or 10 percent of all tanks or containers stored within the containment. Additional material and waste control information is included in the facility's Spill Prevention Control and Countermeasure (SPCC) Plan.
- **Control of Rinse/Wash Water Disposal.** No washing or rinsing is performed at the facility. The facility prevents the disposal of any industrial materials into the storm water conveyance system by maintaining spill kits appropriately and immediately responding to spills.
- **Minimize Storm Water Discharges from Non-Industrial Areas.** A non-industrial area exists within the facility, as denoted on Figure 2. This area is self-contained, with a berm surrounding the entire perimeter of this portion. This area has also been graded into a

depression and decompacted to help increase infiltration of any storm water that lands within the area, as described in Section 4.5.

- **Minimize Authorized NSWs from Non-Industrial Areas.** A non-industrial area exists within the facility and no authorized NSWs occur from it.

6.1.2 Spill and Leak Spill and Leak Prevention

The facility implements the following preventative maintenance measures:

- PG&E has identified the following outdoor equipment at the Facility which may spill or leak pollutants, as follows:
 - Containment areas, tanks and containers storing hazardous materials or wastes
 - Oil-filled electrical equipment and oil-filled operating equipment in the Radiator Area, and Transformer Yard
 - Service vehicles (when transporting materials such as drums of waste oil)
- Monthly observations of containment areas, tanks, equipment and systems are conducted to detect leaks, or identify conditions that may result in the development of leaks.
- The facility maintains a schedule for conducting routine maintenance of identified equipment and systems. There is a daily inspection of all equipment at the facility, monthly preventative maintenance and periodic servicing. Daily inspections are informal visual inspections by operators, and are not documented. Service vehicles are not washed on site.
- The facility has defined procedures for prompt maintenance and repair of equipment, and maintenance of systems when conditions exist that may result in the development of spills or leaks.
- The facility utilizes forklifts and golf carts that are loaned to the facility from PG&E Fleet. Fleet vehicles are repaired and maintained by the Fleet group.
- The manufacturer of the power generation equipment requires maintenance of equipment after a specified number of operating hours and therefore the facility conducts two shut-downs per year to maintain the facility's power generation equipment.

6.1.3 Spill and Leak Response

PG&E has established the following protocols to respond to spills and leaks:

- The facility has developed procedures to minimize spills and leaks. The facility has a SPCC Plan that addresses storage of materials and wastes.
- The facility has established spill and leak response procedures to prevent industrial materials from discharging through the storm water conveyance system. Spilled or leaked industrial materials are cleaned up promptly and disposed of properly.
- The facility has identified and described all necessary and appropriate spill and leak response equipment, locations of spill and leak response equipment, and spill/leak response equipment maintenance procedures, in the facility's HMBP and SPCC plans. Spill kits are maintained throughout the facility and denoted in maps located in the facility's HMBP.

- The facility has designated and trained appropriate spill and leak response personnel, identified as the PPT in Table 1 above. Spill and leak response personnel are trained annually, at a minimum. Plant operations personnel are responsible for spill cleanup; an outside vendor is used to respond to significant spills. Spill response personnel receive OSHA hazard communication training and spill training consistent with the hazardous materials business plan and SPCC plan.
- Powered industrial truck maintenance shall be performed on tarps or other impervious materials to capture spills.

6.1.4 Material Handling and Waste Management

PG&E has a robust program for addressing material handling and waste management, as follows:

- The facility minimizes the handling of industrial materials or wastes that can be readily mobilized by contact with storm water during storm events through the use of awnings at loading docks.
- The facility appropriately contains stored non-solid industrial materials or wastes (e.g., lubricant oil) that can be transported or dispersed by the wind or contact with storm water by storing these materials in secondary containment with water tight lids.
- Industrial waste disposal containers (dumpsters and metal waste recycling bins) and industrial material storage containers that contain industrial materials are covered with lids or plastic tarps when not in use.
- Site run-on and storm water generated from within the facility is diverted away from material storage areas.
- Spills of industrial materials or wastes that occur during handling are cleaned up in accordance with the spill response procedures.
- Outdoor material or waste handling equipment or containers that can be contaminated by contact with industrial materials or wastes are inspected and cleaned, as appropriate.

6.1.5 Erosion and Sediment Controls

Erosion is not a significant issue at the site because approximately 28 percent is paved and the remainder is covered with a gravel cap or is vegetated (Figure 3). Therefore, erosion is not a problem at the site, and the facility does not implement erosion and sediment controls.

6.1.6 Employee Training Program

PG&E employees responsible for implementing the storm water program at the Facility will receive annual storm water training. The facility has identified which personnel require training (per Section 1.5), their responsibilities, and the type of training they will receive, and will prepare or acquire appropriate training materials and establish a schedule for providing the training. All participants will sign a Training Log that will be kept in Appendix D. This documentation will be maintained with the SWPPP. Annual training is required once every calendar year. At a minimum, training will cover the following topics:

- BMP implementation;
- BMP effectiveness evaluations;
- Visual observations; and

- Monitoring activities.

In the event the Facility enters Level 1 status (see Section 9), appropriate team members will be trained by a Qualified Industrial SWPPP Practitioner (QISP). A QISP must complete a SWRCB-approved training course and assist in the preparation of ERAs for Level 1 and 2 status designations which are described in further detail in Section 9 of this SWPPP.

6.1.7 Quality Assurance and Record-Keeping

PG&E has done [and will continue to perform] the following to retain proper quality assurance and record-keeping:

- The facility has developed and implemented management procedures to ensure that appropriate staff implements all elements of the SWPPP, including the Monitoring Implementation Plan;
- The facility has developed a method of tracking and recording the implementation of BMPs identified in the SWPPP, through the monthly inspection process; and
- The facility will maintain the BMP implementation records, training records and records related to any spills and clean-up related response activities for a minimum of five years.

6.2 Advanced BMPs (Permit Section X.H.2)

In addition to the minimum BMPs described above in Section 6.1 and in Section X.H.1 of the General Permit, the facility will, to the extent feasible, implement and maintain any advanced BMPs necessary to reduce or prevent discharges of pollutants in its storm water discharge in a manner that reflects best industry practice considering technological availability and economic practicability and achievability.

6.2.1 Exposure Minimization BMPs

The facility has installed permanent storm resistant shelters to prevent contact of storm water with certain kinds of materials. These areas include the hazardous materials/waste storage sheds, and the Laydown area (e.g., for waste and recycling dumpsters).

6.2.2 Storm Water Containment and Discharge Reduction BMPs

These BMPs include structures that divert, infiltrate, reuse, contain, retain, or reduce the volume of storm water runoff. As described in Section 4.5, the facility includes gravel caps to areas that haven't been paved or are not roofed which may increase infiltration at the site and prevent erosion. Additional BMPs will be explored and implemented as needed.

6.2.3 Treatment Control BMPs

- **Oil/Water Separator.** The site is equipped with an oil/water separator; however, since the effluent from the oil/water separator is conveyed to the municipal sanitary sewer (which is permitted through the publicly owned treatment works), this water is not considered storm water discharge. The oil (if any) is separated and sent offsite for proper disposal. The coalescer packs are inspected regularly and cleaned if indicated by inspection.

- **Parts Cleaner.** The site is equipped with a parts cleaner that is located outdoors on the east side of the maintenance shop. The manufacturer inspects the washer and replaces the solvent as necessary.
- **Drain Inlet Filters.** Filter screens (Dandy Pops®) are installed in storm water catch basins on the site, as appropriate, to capture sediment. The filter screens are cleaned and/or replaced as needed.
- **Stormwater Chemical Treatment/Filtration System.** The site is equipped with a standard chemical treatment and filtration system for the stormwater prior to discharge. The treatment system is located immediately adjacent to the existing outfall, E-006, to allow treatment of all of Gateway Generating Station's stormwater prior to discharge into the river. The system is expected to reduce the total iron content of the storm water effluent to less than or equal to 1 ppm.

Design of the system was precluded by volume-based calculations to meet the provisions of the IGP (see memo dated October 12, 2016 found in Appendix H). The volume of runoff produced from an 85th percentile 24-hour storm event and 85th Percentile Hourly Rainfall Intensity per the IGP, as determined from local, historical rainfall records produces a maximum of 229,562 gallons. The design volume processing rate of the treatment system is 468,895 gallons, both meeting and exceeding the volume-based calculations of the IGP.

Treatment steps for the treatment system are as follows:

1. The storm water is pH adjusted to allow the iron to precipitate out of the stormwater,
2. A chemical flocculating agent is added to clump the iron particles together,
3. The stormwater is settled and pumped over a series of small weirs to capture the solids,
4. Stormwater is then passed through the media filters for finer particulate removal,
5. The water is monitored real-time to assure it meets discharge criteria, if it does not meet pH or turbidity criteria, it is recirculated, and,
6. The treated stormwater is discharged into the San Joaquin River.

6.2.4 Other Advanced BMPs

At this time, the Facility does not implement other advanced BMPs. In the event that conditions change or monitoring results indicate a need, PG&E will consider additional advanced BMPs to address the changed conditions or constituents of concern.

7. TEMPORARY SUSPENSION OF ACTIVITIES (PERMIT SECTION X.H.3)

PG&E's Gateway Generating Station operates two shifts, seven days a week. The facility does not have any plans to suspend industrial activities for ten or more consecutive calendar days in any given year. Therefore, this section of the General Permit is not applicable.

8. BMP SUMMARY (PERMIT SECTIONS X.H.4 AND 5)

The following table summarizes each identified area of industrial activity, the associated industrial pollutant sources, the industrial pollutants, and the BMPs implemented. The approximate boundaries of Drainage Areas A and B are shown on Figure 2. The PPT identified in Section 1.5 is responsible for implementing all BMPs at the site. Some of the BMPs described below require the use of mechanical equipment, such as forklifts, in order to perform maintenance activities on the BMPs. PPT members are authorized to use the required equipment or to obtain the help of other facility staff to maintain the BMPs onsite. The facility mechanics are responsible for maintaining the mechanical equipment throughout the facility.

To retain effectiveness during and after significant weather conditions, certain BMPs need to be inspected more frequently than monthly. These BMPs will be informally inspected by PPT members during large rain events or following rain events.

Table III BMP Summary

| Drainage Area | BMPs Implemented | Associated Industrial Pollutant Sources | Potential Industrial Pollutants | Frequency of BMP Implementation |
|---|---|--|--|--|
| Combustion turbines | Spill kit | Oil Filled Equipment (Transformers) | Petroleum hydrocarbons, heavy metals | As needed |
| | Secondary containment | Aqueous Ammonia for exhaust system | Aqueous Ammonia | As needed |
| | Check dams | All facility pollutants | Suspended Sediment | As needed |
| Oil and Universal Waste Storage
Used Oil / Hazardous Waste Storage | Spill kits | Truck access | Petroleum hydrocarbons, heavy metals | As needed |
| | Parts Cleaner | Part Cleaning | Solvents, lubricants, metals | As needed |
| | Spill kits and secondary containment | Spills during shipping and receiving | Petroleum hydrocarbons, heavy metals | As needed |
| | Covered forklift parking | Forklift | Vehicle related pollutants | Daily |
| Water Treatment Plant | Spill kit | Truck access | Petroleum hydrocarbons, heavy metals | As needed |
| | Spill kits and secondary containment | Spills during shipping and receiving | Diesel, various chemicals | As needed |
| | Fueling Sump | Fuel | Petroleum | Permanent |
| Trash and Scrap Metal Dumpsters | Dumpsters have lids, roll offs are tarped | Spills during shipping and receiving | Metals and non-petroleum waste | Cover daily when not in use |
| | Storm resistant shelter | Waste | Metals, oils, suspended solids | Permanent |

| | | | | |
|--------------------|--|------------------------------------|--------------------------|-----------|
| Warehouse | Run-on diversions | Run-on from neighboring facilities | Iron | Permanent |
| Discharge Location | Valves and Concrete Containment | All facility pollutants | All potential pollutants | Permanent |
| | Treatment and filtration | | | As needed |
| All Drainage Areas | Drain inlet filters | All pollutant sources | All potential pollutants | Permanent |
| | Rock-lined ditches | All pollutant sources | Suspended solids | Permanent |
| | Site has access control and security 24 hours a day, 7 days a week | All pollutant sources | All potential pollutants | As needed |
| | Oil/Water Separator | All pollutants | Oils and Grease | Daily |
| | Oil absorbent socks around various drain inlets | All pollutant sources | Oils and Grease | Daily |
| | Powder coated drain inlet grates | Rusting grates | Iron | Permanent |
| | “No Dumping, Drains to Delta Signs” | Illicit dumping | All potential pollutants | Permanent |

9. MONITORING IMPLEMENTATION PLAN (PERMIT SECTION X.I)

As described above in Section 1.5, PG&E has assembled a PPT that includes members assigned to conduct storm water monitoring. The facility has one industrial discharge location which is also the sampling location. The discharge location (Sample Location E-006) is located at the northern perimeter of the facility. Analytical monitoring and visual observations will be conducted at the sampling location shown on Figure 2.

Procedures for Monthly Visual Observations

PG&E will conduct visual observations within the drainage area at the facility at least once per calendar month, which will include an evaluation of:

- Presence or indications of prior, current, or potential unauthorized NSWDS and their sources;
- Authorized NSWDS, sources, and associated BMPs; and
- Outdoor industrial equipment and storage areas, outdoor industrial activities areas, BMPs, and all other potential source of industrial pollutants.

Monthly visual observations will be conducted during daylight hours of scheduled facility operating hours and on days without precipitation. Visual observations will be recorded on the form provided in Appendix E. Information to be recorded will include the date, approximate time, locations observed, presence and probable source of any observed pollutants, name of person(s) that conducted the observations, and any response actions and/or additional SWPPP revisions necessary in response to the visual observations. To ensure adequate documentation of response action completion, a PPT member will initial and date the documented response action when the action is complete. If a monthly visual observation is not conducted, PG&E will provide an explanation in the Annual Report.

Procedures for Sampling Event Visual Observations

PG&E will conduct visual observations at the same time sampling occurs at a discharge location. At each discharge location where a sample is obtained, PG&E will observe the discharge of storm water associated with industrial activity and record these observations on the form provided in Appendix E. The same types of information will be recorded as for the monthly inspections. The following items will be observed and recorded:

- The appearance of storm water discharged from containment sources (e.g., secondary containment or sumps) at the time that the discharge is sampled;
- The presence or absence of floating and suspended materials, oil and grease, discolorations, turbidity, odors, trash/debris, and source(s) of any discharged pollutants.

In the event that a discharge location is not visually observed during a sampling event, PG&E will record which discharge locations were not observed during sampling or that there was no discharge from the discharge location and will provide an explanation in the Annual Report for uncompleted sampling event visual observations. PG&E will revise BMPs as necessary if the visual observations indicate pollutant sources have not been adequately addressed in the SWPPP. If any response actions are noted during Sampling Event Visual Observations, a PPT member will initial and date the documented response action when the action is complete.

Sampling and Analysis

Samples will be collected during Qualifying Storm Events (QSE). A QSE is defined as a precipitation event that produces a discharge for at least one drainage area and is preceded by 48 hours with no discharge from any Facility drainage area. PG&E will collect and analyze storm water samples from two QSEs within the first half of each reporting year (July 1 to December 31), and two QSEs within the second half of each reporting year (January 1 to June 30). Samples will be collected within four hours of the start of discharge at the E006 discharge/sampling location shown on Figure 2. The sampling point at E006 is upstream from the actual discharge into the San Joaquin River (Outfall), due to the comingling of our discharge with the neighboring industrial facility just after E006 and prior to Outfall.

Sampling will be performed in accordance with requirements of the General Permit. Use caution when collecting samples at night and do not collect samples without sufficient lighting. Samples will be collected and analyzed for pH, oil and grease, total suspended solids, and total iron (based on the facility's SIC code listed in Table 1 of the General Permit for additional analytical parameters). Sampling results will be compared to two types of NAL values based on the specific parameter to determine whether either type of NAL has been exceeded for each applicable parameter. Annual NAL exceedances are based on analytical results for the entire facility for the reporting year, while Instantaneous NAL exceedances are based on analytical results from each distinct sample. The table below describes test methods, reporting units, and NAL values:

Table IV NAL Values

| Parameter | Test Method | Reporting Units | Annual NAL | Instantaneous Maximum NAL |
|-------------------------|----------------------|------------------------|-------------------|----------------------------------|
| pH | Portable instrument* | pH units | N/A | <6.0 or >9.0 |
| Oil and Grease | EPA 1664A | mg/L | 15 | 25 |
| Total Suspended Solids | SM 2540-D | mg/L | 100 | 400 |
| Total Iron | EPA 200.7 | mg/L | 1.0 | -- |
| Electrical Conductivity | | | N/A | N/A |

*The pH screen will be performed as soon as practicable, but no later than 15 minutes after the sample is collected and will be analyzed using a calibrated portable instrument for pH.

All instruments used for pH measurement will be properly calibrated in accordance with the manufacturer's instructions and recommended frequency, and copies of the calibration records will be maintained onsite. Samples for total iron, total suspended solids, oil and grease, and electrical conductivity will be analyzed by an analytical laboratory that is Environmental Laboratory Accreditation Program (ELAP)-certified. All samples will be collected in accordance with Attachment H of the General Permit ("Sample Collection and Handling Instructions") and handled under proper Chain-of-Custody (COC) protocols. General Permit Attachment H and an example COC are included in Appendix F.

Though there are Effluent Limitation Guidelines (ELGs) for Electric Power Generation facilities, which require copper and chlorine analysis, the regulation only applies to runoff from coal storage piles and therefore the ELGs for Electric Power Generation do not apply to this facility because coal is not stored or used at the facility.

Exceedance Response Actions

ERAs are required when an NAL exceedance occurs for any parameter. At the beginning of NOI coverage, PG&E will enter as a Baseline status for all parameters designated in Table IV above. If sampling results indicate an NAL exceedance [either annual or instantaneous] for any parameter listed in Table IV, the status will move up to Level 1 for that parameter on July 1st following the reporting year during which the exceedance occurred (i.e., if there was an instantaneous exceedance on September 30, 2015, Level 1 would begin on July 1, 2016). Moving to Level 1 status triggers two actions: a Level 1 ERA Evaluation and a Level 1 ERA Report, both prepared with assistance of a QISP.

- A Level 1 ERA Evaluation, due by October 1 following commencement of Level 1 status, consists of completing an evaluation of the industrial pollutant sources at the facility that may be related to the NAL exceedance and evaluate all BMPs to determine if revisions are necessary to prevent future NAL exceedances.
- A Level 1 ERA Report, due by January 1 following commencement of Level 1 status, is prepared after the Level 1 ERA Evaluation and consists of revising the SWPPP as necessary to implement any additional BMPs identified in the Evaluation and submitting via SMARTS the Level 1 ERA Report with details regarding SWPPP revisions and the results of the Evaluation.

A Level 1 status for any exceeded parameter will return to Baseline status once the Level 1 ERA Report has been completed, additional BMPs have been implemented, and results from four consecutive QSEs indicate no additional NAL exceedances for that parameter.

The status for any exceeded parameter will change to Level 2 if sampling results indicate an NAL exceedance for that same parameter while in Level 1 (i.e., if Level 1 was implemented on July 1, 2015 and an exceedance occurred on December 1, 2015, Level 2 would be triggered on July 1, 2016). Moving to Level 2 status triggers two actions: a Level 2 ERA Action Plan and a Level 2 ERA Technical Report, both prepared with assistance of a QISP.

- A Level 2 ERA Action Plan, due by January 1 following the reporting year during which the NAL exceedance occurred, consists of a schedule and description of implementing a particular demonstration, as described in the Level 2 Technical Report, in response to the NAL exceedance.
- A Level 2 ERA Technical Report, due by January 1 of the reporting year following the submittal of the Level 2 ERA Action Plan, describes one or more of the demonstrations in response to the NAL exceedance: Industrial Activity BMPs Demonstration, Non-Industrial Pollutant Source Demonstration, and/or Natural Background Pollutant Source Demonstration (as described in the General Permit Section XII.D.2).
- A Level 2 ERA Technical Report may be prepared and submitted at any time, whether or not the Facility is required to submit such a report.

A new Level 2 NAL exceedance is any Level 2 NAL exceedance for 1) a new parameter in any drainage area, or 2) the same parameter that is being addressed in an existing Level 2 ERA Action Plan in a different drainage area.

NAL exceedances, in and of themselves, are not violations of the General Permit. Failure to comply with the Level 1 status and/or Level 2 status ERA requirements is in violation of the General Permit.

PG&E Gateway Generation Station ERA Status

| <i>Reporting Year</i> | <i>ERA Level Status</i> | <i>Parameter</i> | <i>Level 1 ERA Evaluation Completion Date</i> | <i>Level 1 ERA Report Submittal Date</i> | <i>Level 2 ERA Action Plan Submittal Date</i> | <i>Level 2 ERA Technical Report Submittal Date</i> |
|-----------------------|-------------------------|------------------|---|--|---|--|
| | | | | | | |

| | | | | | | |
|-----------|----------|-------------|------------|------------|-----|-----|
| 2015-2016 | Baseline | N/A | N/A | N/A | N/A | N/A |
| 2016-2017 | Level 1 | Iron, Total | 09/27/2016 | 12/30/2016 | N/A | N/A |

See Appendix H for the ERA Evaluation(s) and Report(s)

Reporting

PG&E will submit all sampling and analytical results via SMARTS within 30 days of obtaining all results for each sampling event. In the event a sample's analytical result is reported by the laboratory as non-detect or less than the method detection limit, the method detection limit will be provided. A value of zero will not be reported.

PG&E will provide the sample analytical results reported by the laboratory as below the minimum level (often referred to as the reporting limit) but above the method detection limit. Reported analytical results from multiple discharge points will be averaged automatically by SMARTS. For any calculations required by this General Permit, SMARTS will assign a value of zero for all results less than the minimum level as reported by the laboratory.

10. ANNUAL REPORTING (PERMIT SECTIONS XV AND XVI)

PG&E will conduct an Annual Comprehensive Facility Compliance Evaluation (Annual Evaluation) each reporting year (July 1 to June 30). If the Annual Evaluation is conducted fewer than eight months, or more than sixteen months, after the previous Annual Evaluation, the facility will document the justification for doing so. Within 90 days of the Annual Evaluation, PG&E will revise the SWPPP, as appropriate, and implement the revisions. At a minimum, the Annual Evaluation will cover the following:

- Review of all sampling, visual observation, and inspection records conducted during the previous reporting year;
- Inspection of all areas of industrial activity and associated potential pollutant sources for evidence of, or the potential for, pollutants entering the storm water conveyance system;
- Inspection of all drainage areas previously identified as having no exposure to industrial activities and materials in accordance with the definitions in Section XVII;
- Inspection of equipment needed to implement the BMPs;
- Inspection of all site BMPs;
- Review and effectiveness assessment of all BMPs for each area of industrial activity and associated potential pollutant sources to determine if the BMPs are properly designed, implemented, and are effective in reducing and preventing pollutants in industrial storm water discharges and authorized NSWDs; and
- Assessment of any other factors needed to comply with the requirements in Section XVI.B.

Information gathered during the Annual Evaluation will be recorded on the form provided in Appendix E.

Annual Report

PG&E will certify and submit via SMARTS an Annual Report no later than July 15th following each year. The Annual Report will be created by the Environmental Compliance Manager, reviewed by the Subject Matter Expert, and certified by the Legally Responsible Party. The Annual Report will include the following:

- A Compliance Checklist that indicates compliance with all applicable requirements of the General Permit;
- An explanation for any non-compliance of requirements within the reporting year;
- Identification of all revisions made to the SWPPP within the reporting year; and
- The date of the Annual Evaluation.

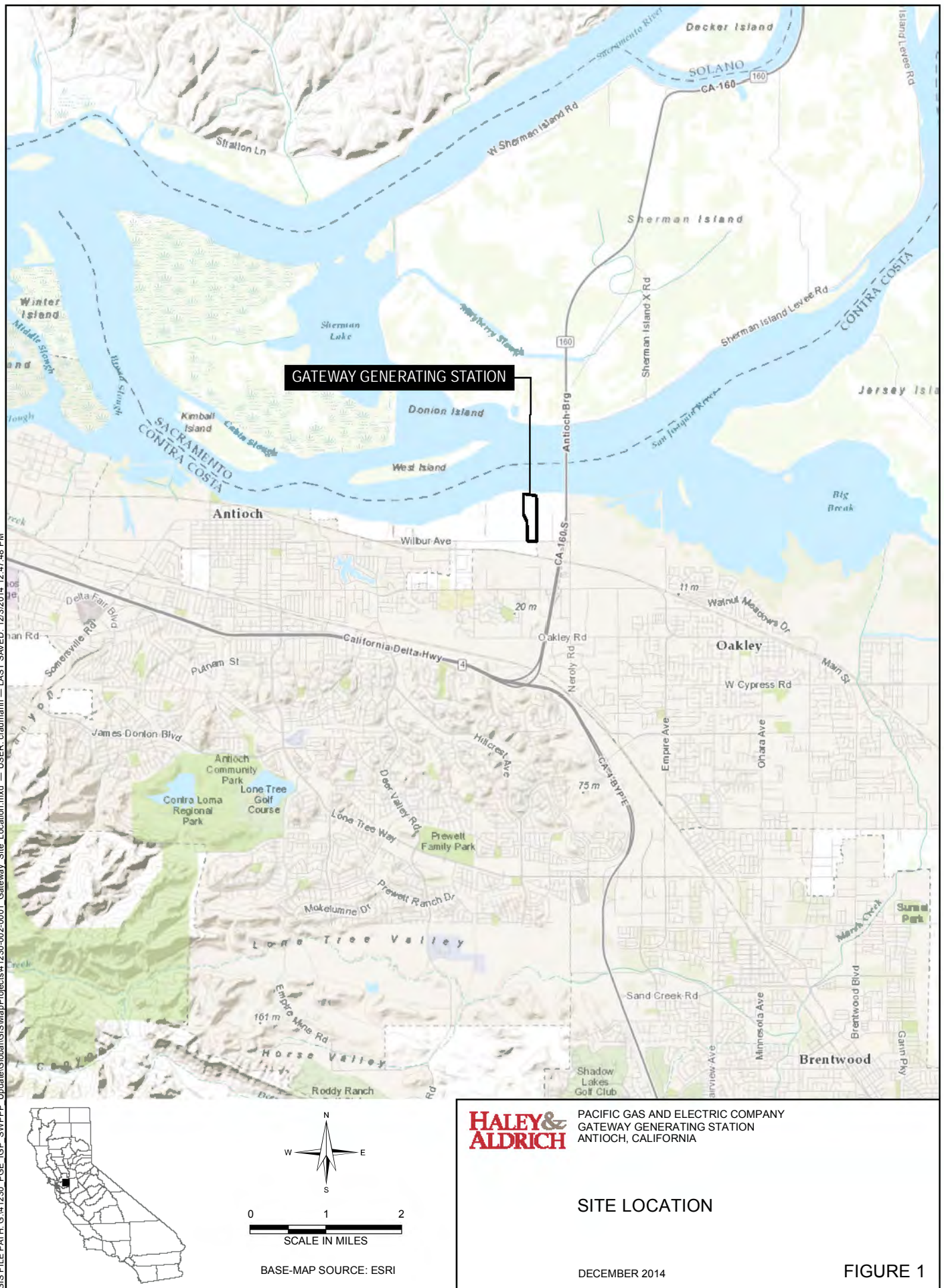
Copies of the Annual Report are included in Appendix G.

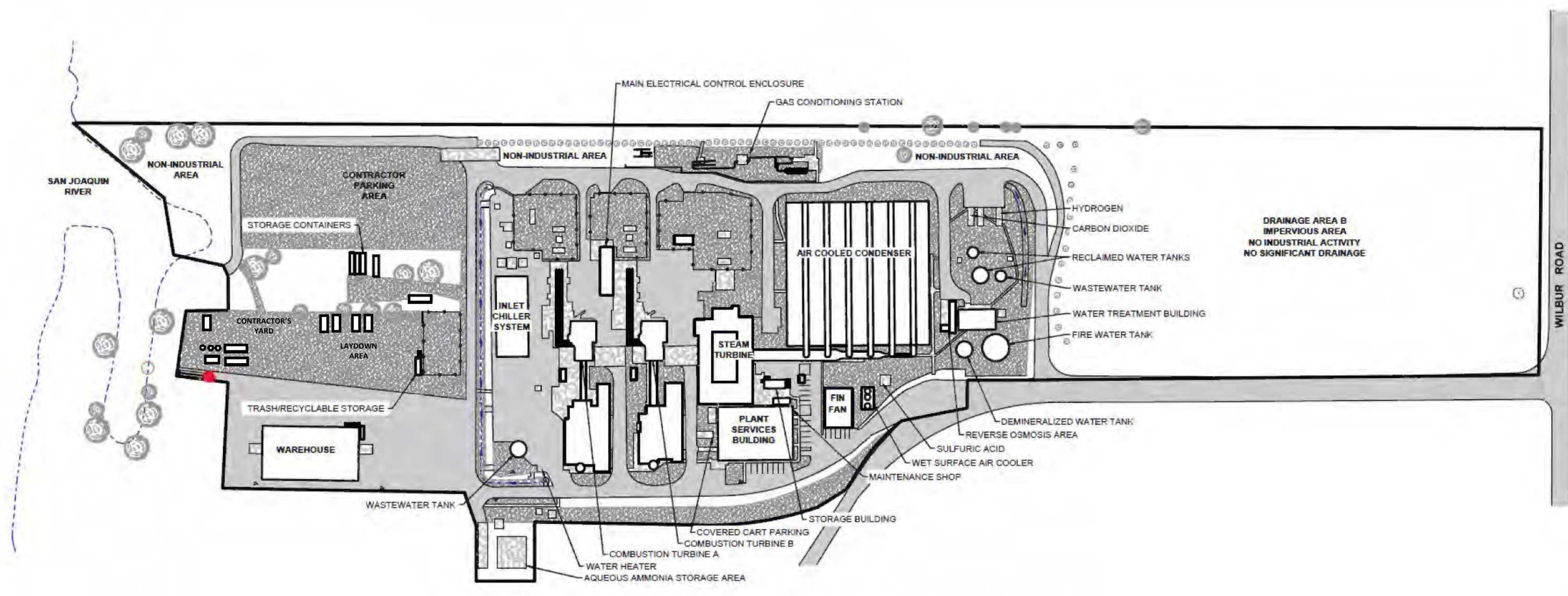
REFERENCES

1. California State Water Resources Control Board. Industrial Storm Water Permit for Discharges Associated with Industrial Activity (Order No. 2014-0057-DWQ). 2014.
2. Excerpts from Gateway Generating Facility Hazardous Materials Business Plan.
3. Spill Prevention, Control, and Countermeasures Plan for Gateway Generating Station, initially prepared by CH2MHill January 12, 2009 and revised August 2, 2013.

FIGURES

GIS FILE PATH: G:\41230_PGE_IGP_SWPPP_Update\Global\GIS\MapProjects\41230-002-0001_Gateway_Site_Location.mxd — USER: craumann — LAST SAVED: 12/3/2014 12:47:48 PM



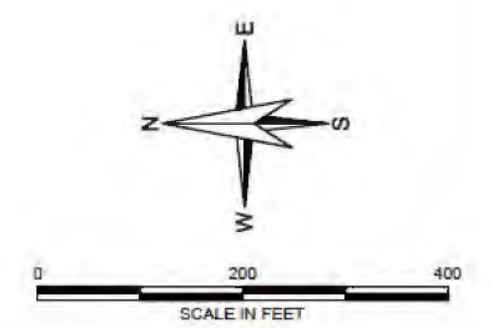


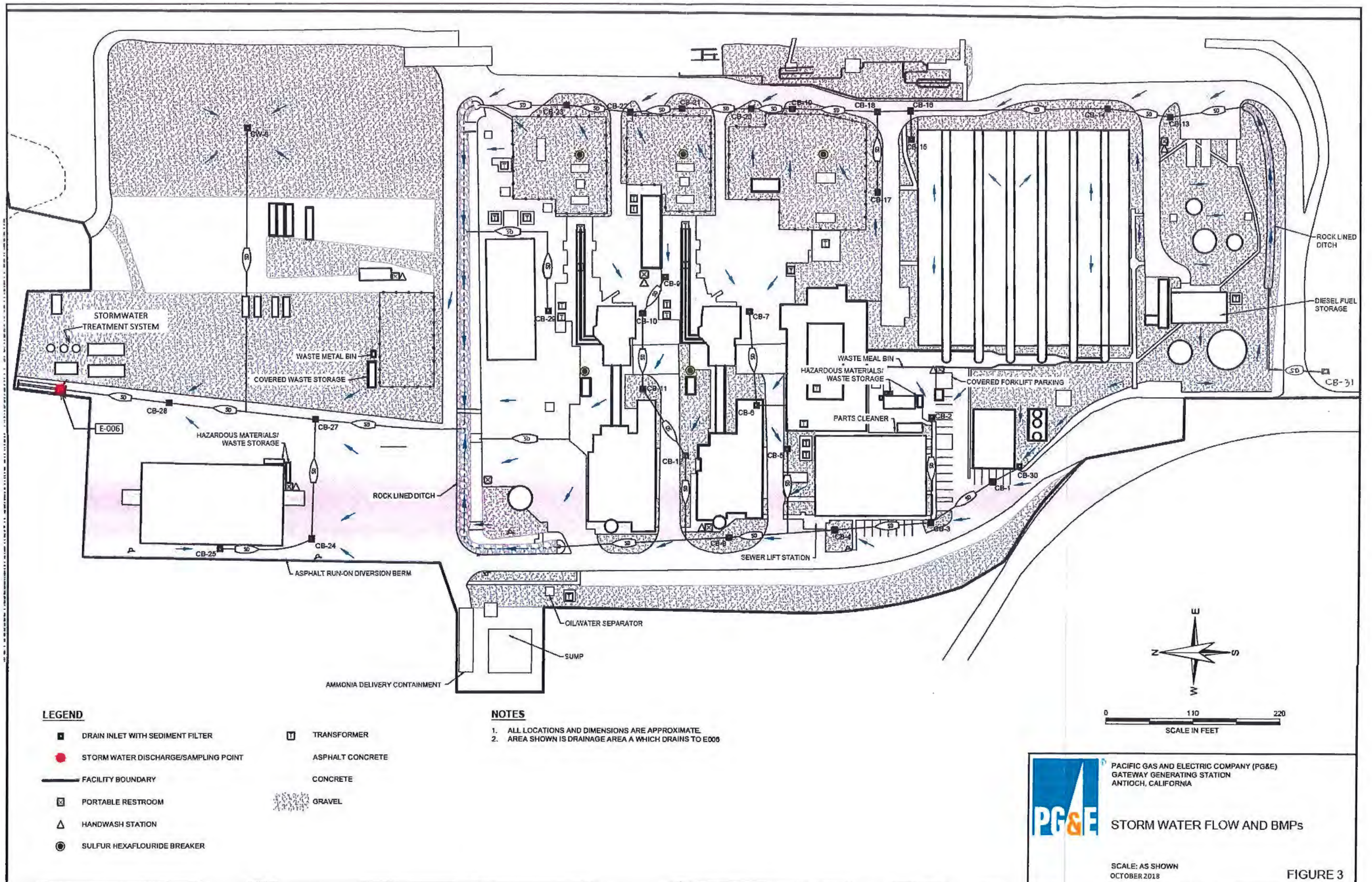
LEGEND

- STORM WATER DISCHARGE/SAMPLING POINT
- FACILITY BOUNDARY
- CO-MINGLED OUTFALL POINT
- ASPHALT CONCRETE
- CONCRETE
- GRAVEL
- ⊗ TREE/VEGETATION

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.





APPENDIX A

**General Permit for Storm Water Discharges Associated with Industrial Activities
(State Water Resources Control Board Order 2014-0057-DWQ)**

APPENDIX B

Permit Registration Documents



State Water Resources Control Board
NOTICE OF INTENT

GENERAL PERMIT TO DISCHARGE STORM WATER
ASSOCIATED WITH INDUSTRIAL ACTIVITY (WQ ORDER No. 2014-0057-DWQ)
(Excluding Construction Activities)



GAVIN NEWSOM
GOVERNOR



JARED BLUMENFELD
SECRETARY FOR
ENVIRONMENTAL PROTECTION

WDID: 5S07I021950

Status: Active

Operator Information

Type: Private Business

Name: Pacific Gas Electric Company

Contact Name: Tim Wisdom

Address: PO Box 770000

Title: Plant Manager

Address 2:

Phone Number: 925-522-7812

City/State/Zip: San Francisco CA 94177

Email Address: T1WY@pge.com

Federal Tax ID:

Facility Information

Level:

Contact Name: Angel Espiritu

Title: Environmental Compliance Manager

Site Name: Gateway Generating Station

Address: 3225 Wilbur Ave

City/State/Zip: Antioch CA 94509

Site Phone #: 925-522-7838

County: Contra Costa

Email Address: abe4@PGE.com

Latitude: 38.01228

Longitude: -121.75859

Site Size: 32.5 Acres

Industrial Area Exposed to Storm Water: 22 Acres

Percent of Site Impervious (Including Rooftops): 28 %

SIC Code Information

1. 4911 Electric Services

2.

3.

Additional Information

Receiving Water: San Joaquin River

Flow: Indirectly

Storm Drain System:

Compliance Group:

RWQCB Jurisdiction: Region 5S - Sacramento

Phone: 916-464-3291

Email: r5s_stormwater@waterboards.ca.gov

Certification

Name: stephen royall

Date: June 14, 2017

Title: Senior Plant Manager



State Water Resources Control Board
NOTICE OF INTENT
GENERAL PERMIT TO DISCHARGE STORM WATER
ASSOCIATED WITH INDUSTRIAL ACTIVITIES (WQ ORDER No. 2014-0057-DWQ)
(Excluding Construction Activities)



WDID: 5S07I021950

Status: Active

Operator Information

Type: Private Business

Name: Pacific Gas Electric Company

Contact Name: Benjamin Stanley

Address: PO Box 770000

Title: Senior Plant Manager

Address 2:

Phone #: 925-522-7812

City/State/Zip: San Francisco CA 94177

Email: BESN@pge.com

Federal Tax ID: 94-0742640

Facility Information

Level:

Site Name: Gateway Generating Station

Contact Name: Angel Espiritu

Address: 3225 Wilbur Ave

Title: Environmental Compliance Manag

City/State/Zip: Antioch CA 94509

Site Phone #: 925-522-7838

County: Contra Costa

Email: ABE4@PGE.com

Latitude: 38.01228

Longitude: -121.75859

Emergency:

Total Site Size: 32.5 Acres

Percent of Site Impervious (including rooftops): 28 %

Industrial Area exposed to Storm Water: 22 Acres

SIC Code(s)

Primary SIC: 4911

Electric Services

Secondary SIC:

Tertiary SIC:

Additional Information

Receiving Water: San Joaquin River

Water Flow: Indirectly

Storm drain system:

Compliance Group:

RWQCB Jurisdiction: Region 5S - Sacramento

Phone: 916-464-3291

Email: r5s_stormwater@waterboards.ca.gov

Certification

Name Benjamin Stanley

Date: June 03, 2015

Title: Senior Plant Manager

Attachments Meta Data Information:

| Attachment ID | File Name | File Description | File Hash | File Size | Date Attached | Attachment Type |
|---------------|--------------------------------------|--------------------------------------|---|-----------|--------------------------|-----------------|
| 1393445 | 14-15 AR & Recert
Reminder Letter | 14-15 AR & Recert
Reminder Letter | e4101d3683ba9ccd
e463ee75ce71789
3ca19ad7dfa27b69
cde4b24692d959 | 199940 | 2015-05-04
07:10:34.0 | Other |

APPENDIX C

SWPPP Amendment Form

SUMMARY OF SWPPP AMENDMENTS OR REVISIONS

[illegible]

APPENDIX D

Training Log, including training material

SWPPP Training Log

Name of Trainer: _____

Location of Training: _____ Date of Training: _____

Signature of Trainer: _____

Topics covered:

- ☐ SWPPP Compliance Responsibilities
- ☐ BMP Implementation and Maintenance
- ☐ BMP Effectiveness Evaluations
- ☐ Visual Observations
- ☐ Monitoring Activities
- ☐ SMARTS Reporting

[illegible]

APPENDIX E

**Industrial Storm Water Facility Inspection and Visual Observation Form
Annual Evaluation Form
Sampling Log**

Industrial Storm Water Facility Inspection and Visual Observation Form

| General Information | | | | | | |
|--|--------------|---|------------------------------|--|------------------|----------------------------------|
| Facility Name | | Gateway Generating Station | | | | |
| WDID No. | | 5S07I021950 | | | | |
| Date of Inspection | | | Start/End Time | | | |
| Inspector's Name(s) | | | | | | |
| Inspector's Title(s) | | | | | | |
| Inspector's Contact Information | | | | | | |
| Inspector's Qualifications | | | | | | |
| Inspector's Signature | | | | | | |
| Type of Inspection ^{1,2} | | <input type="checkbox"/> Monthly Visual Observation | | <input type="checkbox"/> Sampling Event Visual Observation | | |
| Weather Information | | | | | | |
| Weather at time of this inspection?
<input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snow <input type="checkbox"/> High Winds
<input type="checkbox"/> Other: _____ Temperature: _____ | | | | | | |
| If this is a sampling event visual observation, fill in storm event information:
Date and Time Storm Began: _____ Rain Gauge Level: _____ Rain Gauge ID: _____

Date and Time Discharge Began: _____ Previous Discharge Ended Greater Than 48 Hours: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Visual Observations | | | | | | |
| Are there any spills/leaks observed at the time of inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, describe: _____ | | | | | | |
| Have any previously unidentified discharges of pollutants occurred since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, describe: _____ | | | | | | |
| Are there any discharges occurring at the time of inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, note the presence of any of the following:
<input type="checkbox"/> Floating Materials <input type="checkbox"/> Sheen <input type="checkbox"/> Discoloration <input type="checkbox"/> Turbidity <input type="checkbox"/> Odor <input type="checkbox"/> Trash/Debris <input type="checkbox"/> Other: _____
Describe all checked above: _____ | | | | | | |
| Outfall Observations | | | | | | |
| Outfall No. | Observations | Is NSWDP Present? | Potential Source(s) of NSWDP | Corrective Action | Person Contacted | Date Corrective Action Completed |
| E-006 | | <input type="checkbox"/> Yes
<input type="checkbox"/> No | | | | |
| | | <input type="checkbox"/> Yes
<input type="checkbox"/> No | | | | |
| | | <input type="checkbox"/> Yes
<input type="checkbox"/> No | | | | |

¹ Monthly visual observations will be conducted during daylight hours of normally scheduled facility operation and on days without precipitation. Sampling event visual observations will be recorded at the same time sampling occurs at a discharge location.

² For monthly visual observations, pages 1-5 need to be completed. For sampling event visual observations, pages 1-2 need to be completed.

BMP Control Measures

- Number the structural storm water control measures identified in your SWPPP below (add as many control measures as are implemented on-site).
- Describe corrective actions initiated, date completed, and note the person that completed the work.

| | Structural Control Measure | Control Measure is Operating Effectively? | If No, In Need of Maintenance, Repair, or Replacement? | Corrective Action Needed and Notes
(identify needed maintenance and repairs, or any failed control measures that need replacement) | Date Corrective Action Completed | Initials of Person Responsible for the Correction Action |
|----|--|---|---|--|---|---|
| 1 | Drain Inlets | <input type="checkbox"/> Yes
<input type="checkbox"/> No | <input type="checkbox"/> Maintenance
<input type="checkbox"/> Repair
<input type="checkbox"/> Replacement | | | |
| 2 | Secondary Containment: Transformers | <input type="checkbox"/> Yes
<input type="checkbox"/> No | <input type="checkbox"/> Maintenance
<input type="checkbox"/> Repair
<input type="checkbox"/> Replacement | | | |
| 3 | Secondary Containment: Turbines/Oil-filled Equipment | <input type="checkbox"/> Yes
<input type="checkbox"/> No | <input type="checkbox"/> Maintenance
<input type="checkbox"/> Repair
<input type="checkbox"/> Replacement | | | |
| 4 | Secondary Containment: Firewater Pump Bldg | <input type="checkbox"/> Yes
<input type="checkbox"/> No | <input type="checkbox"/> Maintenance
<input type="checkbox"/> Repair
<input type="checkbox"/> Replacement | | | |
| 5 | Secondary Containment: Hazardous Material/Waste Sheds | <input type="checkbox"/> Yes
<input type="checkbox"/> No | <input type="checkbox"/> Maintenance
<input type="checkbox"/> Repair
<input type="checkbox"/> Replacement | | | |
| 6 | Trash/Scrap Dumpsters | <input type="checkbox"/> Yes
<input type="checkbox"/> No | <input type="checkbox"/> Maintenance
<input type="checkbox"/> Repair
<input type="checkbox"/> Replacement | | | |
| 7 | Oil/Used Oil Storage | <input type="checkbox"/> Yes
<input type="checkbox"/> No | <input type="checkbox"/> Maintenance
<input type="checkbox"/> Repair
<input type="checkbox"/> Replacement | | | |
| 8 | Ditches/Outfall | <input type="checkbox"/> Yes
<input type="checkbox"/> No | <input type="checkbox"/> Maintenance
<input type="checkbox"/> Repair
<input type="checkbox"/> Replacement | | | |
| 9 | Iron Treatment System | <input type="checkbox"/> Yes
<input type="checkbox"/> No | <input type="checkbox"/> Maintenance
<input type="checkbox"/> Repair
<input type="checkbox"/> Replacement | | | |
| 10 | | <input type="checkbox"/> Yes
<input type="checkbox"/> No | <input type="checkbox"/> Maintenance
<input type="checkbox"/> Repair
<input type="checkbox"/> Replacement | | | |

Areas of Industrial Materials or Activities exposed to storm water

Below is a list of areas that should be assessed during routine inspections. Customize this list as needed for the specific types of industrial materials or activities at your facility.

| | Area/Activity | Inspected? | Controls Adequate (appropriate, effective, and operating)? | Corrective Action Needed and Notes | Date Corrective Action Completed | Initials of Person Responsible for the Correction Action |
|----|---|---|--|------------------------------------|----------------------------------|--|
| 1 | Material loading/unloading and storage areas | <input type="checkbox"/> Yes
<input type="checkbox"/> No
<input type="checkbox"/> N/A | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| 2 | Equipment operations and maintenance areas | <input type="checkbox"/> Yes
<input type="checkbox"/> No
<input type="checkbox"/> N/A | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| 3 | Fueling areas | <input type="checkbox"/> Yes
<input type="checkbox"/> No
<input type="checkbox"/> N/A | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| 4 | Outdoor vehicle and equipment washing areas | <input type="checkbox"/> Yes
<input type="checkbox"/> No
<input type="checkbox"/> N/A | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| 5 | Waste handling and disposal areas | <input type="checkbox"/> Yes
<input type="checkbox"/> No
<input type="checkbox"/> N/A | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| 6 | Erodible areas/construction | <input type="checkbox"/> Yes
<input type="checkbox"/> No
<input type="checkbox"/> N/A | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| 7 | Non-storm water/ illicit connections* | <input type="checkbox"/> Yes
<input type="checkbox"/> No
<input type="checkbox"/> N/A | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| 8 | Dust generation and vehicle tracking | <input type="checkbox"/> Yes
<input type="checkbox"/> No
<input type="checkbox"/> N/A | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| 9 | General Housekeeping | <input type="checkbox"/> Yes
<input type="checkbox"/> No
<input type="checkbox"/> N/A | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| 10 | | <input type="checkbox"/> Yes
<input type="checkbox"/> No
<input type="checkbox"/> N/A | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |

*Include a description of the source, quantity, frequency, and characteristics of the non-storm water discharges, associated drainage area, and whether it is an authorized or unauthorized non-storm water discharge.

BMP Implementation Tracking and Recording

Describe all BMP implementation and/or maintenance that occurred since the last inspection here.

Non-Compliance

Describe any incidents of non-compliance observed and not described above:

Additional Control Measures**

Describe any additional control measures needed to comply with the permit requirements:

****Additional Control Measures include the following categories as described in the General Permit:**

Minimum BMPs: *Good Housekeeping; Preventative Maintenance; Spill and Leak Protection; Material Handling and Waste Management; Erosion and Sediment Controls; Employee Training; and Quality Assurance and Record Keeping*

Advanced BMPs: *Exposure Minimization; Storm Water Containment and Discharge Reduction; and Treatment Control*

Notes

Use this space for any additional notes or observations from the inspection:



Annual Compliance Evaluation Form

| General Information | | | |
|---|--|--|--|
| Facility Name: | | Evaluation Date: | |
| Facility Location: | | WDID#: | |
| Is the SWPPP Onsite? | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> | Is the NOI Onsite? | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> |
| Document Review Information | | | |
| Have all sampling records from the previous reporting year been reviewed? | | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> | |
| Document any trends, concerns, or notable information about sampling records here. | | | |
| Have all visual observation and inspection records from the previous reporting year been reviewed? | | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> | |
| Document any trends, concerns, or notable information about inspection records here. | | | |
| Have all industrial activity areas and associated potential pollutant sources been inspected for evidence of or the potential for, pollutants entering the storm water conveyance system? | | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> | |
| Document any trends, concerns, or notable information about industrial areas and pollutants here. | | | |
| Have all drainage areas previously identified as having no exposure to industrial activities and materials been inspected? | | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> | |
| Document any trends, concerns, or notable information about no exposure areas here. | | | |
| Has all equipment needed to implement BMPs been inspected? | | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> | |
| Document any trends, concerns, or notable information about BMP implementation equipment here. | | | |



Annual Compliance Evaluation Form

| | |
|--|--|
| Have all BMPs been inspected? | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> |
| Document any trends, concerns, or notable information about BMPs here. | |
| Has a review and effectiveness assessment of all BMPs been conducted for each area of industrial activity and associated pollutant potential sources to determine if the BMPs are properly designed, implemented, and are effective in reducing and preventing pollutants in industrial storm water discharges and authorized non-stormwater discharges? | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> |
| Document any trends, concerns, or notable information about BMP effectiveness here. | |
| Has the SWPPP been reviewed to ensure the information within is accurate for current operations and personnel? | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> |
| Document any trends, concerns, or notable information about SWPPP revisions here. | |
| Have any other factors needed to comply with the requirements of the General Permit been assessed? | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> |
| Document any other trends, concerns, or notable information here. | |
| Inspector Information | |
| Evaluator Name: | Evaluator Title: |
| Signature: | Report Date: |



| General Information | | | |
|---|--|---|--|
| Facility Name: | | | |
| Date: | | Event Start Time: | |
| Sampler: | | Rainfall Amount: | <input type="checkbox"/> Today
<input type="checkbox"/> Storm |
| Sampling Event Type: | <input type="checkbox"/> Storm Water | <input type="checkbox"/> Non-storm water | <input type="checkbox"/> Storm Water & NSW |
| pH Sampling Information | | | |
| Method: | <input type="checkbox"/> Litmus Paper
<input type="checkbox"/> Test Kit
<input type="checkbox"/> Portable Instrument | Portable Instrument
Calibration Date/Time: | |
| Field pH and Turbidity Measurements | | | |
| Were field dupliates taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Discharge Location | % Total Daily Flow | pH | Time |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Sum % Flow (Must = 100) | 0 | | |
| pH Calculated Average: | | #NUM! | |
| Other Parameters (check those collected) | | | |
| Oil and Grease <input type="checkbox"/> | Other: <input type="checkbox"/> | | |
| Total Suspended Solids (TSS) <input type="checkbox"/> | Other: <input type="checkbox"/> | | |
| Other: <input type="checkbox"/> | Other: <input type="checkbox"/> | | |
| Other: <input type="checkbox"/> | Other: <input type="checkbox"/> | | |
| Was a chain of custody completed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Additional Sampling Notes/Exception Documentation | | | |
| | | | |
| Estimated Event End: | | | |

APPENDIX F

General Permit Attachment H “Sample Collection and Handling Instructions” and Example Chain of Custody Form

ATTACHMENT H

SAMPLE COLLECTION AND HANDLING INSTRUCTIONS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
GENERAL PERMIT FOR STORM WATER DISCHARGES
ASSOCIATED WITH INDUSTRIAL ACTIVITIES
(GENERAL PERMIT)

For more detailed guidance, Dischargers should refer to the U.S. EPA's "Industrial Stormwater Monitoring and Sampling Guide," dated March 2009, available at: http://www.epa.gov/npdes/pubs/msgp_monitoring_guide.pdf and the "NPDES Storm Water Sampling Guidance Document," dated July 1992, available at: <http://www.epa.gov/npdes/pubs/owm0093.pdf>.

1. Identify the sampling parameters required to be tested and the number of storm water discharge points that will be sampled. Request the analytical testing laboratory to provide the appropriate number and type of sample containers, sample container labels, blank chain of custody forms, and sample preservation instructions.
2. Determine how samples will be transported to the laboratory. The testing laboratory should receive samples within 48 hours of the physical sampling (unless otherwise required by the laboratory). The Discharger may either deliver the samples to the laboratory, arrange for the laboratory to pick up the samples, or overnight ship the samples to the laboratory. All sample analysis shall be done in accordance with 40 Code of Federal Regulations part 136. Samples for pH have a holding time of 15 minutes.¹
3. Qualified Combined Samples shall be combined by the laboratory and not by the Discharger. Sample bottles must be appropriately labeled to instruct the laboratory on which samples to combine.
4. Unless the Discharger can provide flow weighted information, all combined samples shall be volume weighted.
5. For grab samples, use only the sample containers provided by the laboratory to collect and store samples. Use of any other type of containers may contaminate samples.
6. For automatic samplers that are not compatible with bottles provided by the laboratory, the Discharger is required to send the sample container included with the automatic sampler to the laboratory for analysis.

¹ 40 C.F.R. section 136.3, Table II - Required Containers, Preservation Techniques, and Holding Times.

SAMPLE COLLECTION AND HANDLING INSTRUCTIONS

7. The Discharger can only use automatic sampling device to sample parameters that the device is designed to. For pH, Dischargers can only use automatic sampling devices with the ability to read pH within 15 minutes of sample collection.
8. The Discharger is prohibited from using an automatic sampling device for Oil and Grease, unless the automatic sampling device is specifically designed to sample for Oil and Grease.
9. To prevent contamination, do not touch inside of sample container or cap or put anything into the sample containers before collecting storm water samples.
10. Do not overfill sample containers. Overfilling can change the analytical results.
11. Tightly screw on the cap of each sample container without stripping the threads of the cap.
12. Complete and attach a label for each sample container. The label shall identify the date and time of sample collection, the person taking the sample, and the sample collection location or discharge point. The label should also identify any sample containers that have been preserved.
13. Carefully pack sample containers into an ice chest or refrigerator to prevent breakage and maintain temperature during shipment. Remember to place frozen ice packs into shipping containers. Samples should be kept as close to 4 degrees Celsius (39 degrees Fahrenheit) as possible until arriving to the laboratory. Do not freeze samples.
14. Complete a Chain of Custody form for each set of samples. The Chain of Custody form shall include the Discharger's name, address, and phone number, identification of each sample container and sample collection point, person collecting the samples, the date and time each sample container was filled, and the analysis that is required for each sample container.
15. Upon shipping/delivering the sample containers, obtain both the signatures of the persons relinquishing and receiving the sample containers.
16. Dischargers shall designate and train personnel to collect, maintain, and ship samples in accordance with the sample protocols and laboratory practices.
17. Refer to Table 1 in the General Permit for test methods, detection limits, and reporting units.
18. All sampling and sample preservation shall be in accordance with 40 Code of Federal Regulations part 136 and the current edition of "Standard Methods for

SAMPLE COLLECTION AND HANDLING INSTRUCTIONS

the Examination of Water and Wastewater” (American Public Health Association). All monitoring instruments and equipment (including Discharger field instruments for measuring pH or specific conductance if identified as an additional sampling parameter) shall be calibrated and maintained in accordance with manufacturers’ specifications to ensure accurate measurements. All laboratory analyses shall be conducted according to approved test procedures under 40 Code of Federal Regulations part 136, unless other test procedures have been specified by the Regional Water Quality Control Board. All metals shall be reported as total metals. Dischargers may conduct their own field analysis of pH (or specific conductance if identified as an additional sampling parameter) if the Discharger has sufficient capability (qualified and trained employees, properly calibrated and maintained field instruments, etc.) to adequately perform the field analysis. With the exception of field analysis conducted by Dischargers for pH (or specific conductance if identified as an additional sampling parameter), all analyses shall be sent to and conducted at a laboratory certified for such analyses by the California Department of Public Health. Dischargers are required to report to the Water Board any sampling data collected more frequently than required in this General Permit (Section XXI.J.2)

GGIS Stormwater Treatment System Operations Recordkeeping Log

[illegible]

Flow Meter Readings to be taken prior to beginning of discharge and after discharge ends.

Discharge if iron level is less than 1 ppm.

Perform accuracy checks on pH and turbidity probes at least twice per discharge event. Do not perform accuracy checks during backwash; meters are inaccurate during this time.

Accuracy for pH ± 0.5 s.u.

Accuracy for turbidity ± 15 -20 NTU

Allowable pH discharge range: 6.0-9.0 s.u.

Normal pH range at pretreatment probe (i.e. weir tank): 8.8-9.3 s.u.

CHAIN OF CUSTODY FORM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---------------|----------------|------------|-------------|--------------------|--------------|----------|------------------------|--------------|------------|--|-------------|--|--|--|--|--|------------|--|--|--|--|--|--|--|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Client Name: | | | | Project: | | | | ANALYSIS REQUIRED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laboratory:
_____ | | | | | | | | Total Suspended Solids | Oil & Grease | Total Iron | | | | | | | | | | | | | | | Field readings: (Include units)
Time of readings _____

pH _____ pH unit

Field readings QC:
Checked by: _____

Date _____ | | | | | | | | | | | | | | | | |
| Laboratory Contact: _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler:
_____ | | | | Contact: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Description | Sample Matrix | Container Type | # of Cont. | Sample I.D. | Sampling Date/Time | Preservative | Bottle # | | | | | | | | | | | | | | | | | | | Comments | | | | | | | | | | | | | | | |
| Outfall 001 | W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outfall 002 | W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outfall 003 | W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duplicate | W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By | | | | | | Date/Time: | | | | | | Received By | | | | | | Date/Time: | | | | | | Turn-around time: (Check)
24 Hour: _ 72 Hour: _ 10 Day: ____
48 Hour: _ 5 Day: __ Normal: ____ | | | | | | | | | | | | | | | | | |
| Relinquished By | | | | | | Date/Time: | | | | | | Received By | | | | | | Date/Time: | | | | | | Sample Integrity: (Check)
Intact: __ On Ice: ____ | | | | | | | | | | | | | | | | | |
| Relinquished By | | | | | | Date/Time: | | | | | | Received By | | | | | | Date/Time: | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX G

Annual Reports

APPENDIX H

ERA Evaluations and Reports

APPENDIX I

**Advanced Treatment System (Chemical & Filtration) Operating Manual,
including the Gateway Generation Station Quick Operations Guide and Operating Log**

Gateway Generating Station
(00-AFC-1C)

Annual Compliance Report No. 15

Exhibit 7
Biological Record Summaries
(BIO-2)

Gateway Generating Station California Energy Commission 2023 Annual Biological Compliance Report Draft

Date: February 7, 2024
Project Name: Gateway Generating Station 2023 Biological Resources Support Project
Project No: D31321DY
Attention: Angel Espiritu/PG&E Gateway Generating Station Compliance Manager
Company: Pacific Gas and Electric Company
Prepared By: Gateway Generating Station Designated Biologist
Scott Lindemann/Jacobs
Copies To: Jerry Salamy/Jacobs Project Manager
Amy Krisch Co-Designated Biologist/PG&E

1. Introduction

The California Energy Commission's (CEC) Condition of Certification (COC) for the Gateway Generating Station (GGS) 2023 Environmental On-call Support Project (the Project) requires Pacific Gas and Electric Company (PG&E) to designate a biologist to supervise compliance with mitigation measures outlined in the CEC-approved Biological Resources Mitigation, Implementation, and Monitoring Plan (BRMIMP) and submit compliance reports during GGS's operations phase. This Gateway Generating Station (GGS) Annual 2023 Biological Resources Compliance Report fulfills COC BIO-2. This report covers the reporting period from January 1, 2023, to December 31, 2023 (the 2023 Reporting Period). GGS complied with all biological resource COCs, and the measures specified in the BRMIMP during the Reporting Period.

1.1 Project Location

The GGS site is located at 3225 Wilbur Avenue in the city of Antioch, Contra Costa County, California. The facility is on the southern side of the San Joaquin River, approximately 0.4 miles west of Highway 160, and in Section 16, Township 02 north, Range 02 east (Mt. Diablo Meridian) on the Antioch North U.S. Geological Survey (USGS) topographic quadrangle. GPS coordinates for the approximate site center are: 38.016757°, -121.758799° (WGS 84).

1.2 Background

On December 19, 2006, Pacific Gas and Electric Company (PG&E) filed a petition (TN 38720) with the CEC requesting to amend the CEC Decision to eliminate the use of San Joaquin River water as the cooling source for the GGS Project (formerly known as the Contra Costa Power Plant Unit 8 Project). The petition also proposed ten associated project design changes at the project site. The 530-megawatt project was originally certified by the CEC on May 30, 2001, and a BRMIMP was prepared for the Project (URS Corporation 2001). Construction of the facility started late in 2001 and was suspended in February of 2002 due to financial difficulties, with approximately seven percent of construction completed. On July 19, 2006, the CEC approved the addition of

PG&E as co-owner of the project with Mirant Delta, LLC (CEC 2006). On December 4, 2006, PG&E filed a petition to remove Mirant as a co-owner and change the name of the facility to the Gateway Generating Station. Construction was restarted in January 2007 with PG&E as the project proponent. GGS construction, including restoration activities, was completed in June 2009.

After PG&E became the project owner/operator, the project was re-designed to avoid biological resource impacts to the extent feasible through development of mitigation and protection measures for the new design. These mitigation and protection measures reduced biological resource impacts so that no agency permits were required. These changes resulted in BRMIMP Conditions BIO-7, 10 and 11 being eliminated; also, additional minor changes were made to Conditions 5, 6 and 9 (CEC 2007).

The GGS was designed to avoid biological resources to the greatest extent through the development of mitigation and protection measures in consultation with the U.S. Fish and Wildlife Service (USFWS), U.S. Army Corps of Engineers (USACE), California Department of Fish and Wildlife (CDFW), Central Valley Regional Water Quality Control Board (CVRWQCB), and the CEC. Applicable COCs were complied with during construction and continue to be implemented during GGS operations, including routine maintenance and outage events.

2. Results

PG&E complied with the biological resource COCs during the Reporting Period. The CEC-approved Designated Biologist (DB) or Biological Monitor (BM) performed pre-disturbance surveys, established no-disturbance buffers to protect nesting birds within the facility when necessary, and coordinated with GGS staff to avoid or minimize impacts to the environment. GGS also complied with all measures specified in the BRMIMP during the Reporting Period.

All new GGS employees and contract workers received the CEC-approved Worker Environmental Awareness Training (WEAP) via video and daily tailgate training with the DB or the PG&E GGS Compliance Manager (CM) Angel Espiritu. The DB remained on call throughout the Reporting Period.

The monitoring and compliance activities for the 2023 calendar year are documented in chronological order below and within **Appendix A**, Site Photos.

- **April 18:** DB Rick Crowe was contacted to schedule a bird nesting bird survey at GGS to clear the area for Hamilton Landscaping to mow and apply herbicide on April 19th, 2023. PG&E senior biologist Amy Krisch performed the nesting bird survey from 9:45 am to 10:30 am. No bird nests were found during the survey. Ms. Krisch did also notice tree swallows (*Tachycineta bicolor*) foraging over the field of grasses to the south of the plant; the property west of GGS was inundated with water and may serve as a nesting location for tree swallows. Mowing activities were not expected to impact bird nesting activities.
- **May 4:** Ms. Krisch was contacted concerning the observation of a bird nest containing 2 eggs near a walkway barricade (**Appendix A Photo 1**). The parent bird was not present at the nest nor was it in the area during the discovery. Ms. Krisch determined the species either to be a rock pigeon or a mourning dove (*Zenaida macroura*) based on the nest structure, location, and eggs present and recommended a 10-foot buffer until the species could be positively identified. No

work was planned to occur at or near the 10-foot buffer. On May 10th, Ms. Krisch was informed that the eggs were gone from the nest (**Appendix A Photo 2**). No work occurred within the 10-foot buffer when the nest was first discovered and Ms. Krisch believed the nest was predated based on the state of the nest.

3. References

California Energy Commission (CEC). 2006. Order Approving Addition of Pacific Gas and Electric Company as Co-Owner and Operator with Mirant Delta, LLC on Contra Costa Power Plant Unit 8 Project; Extension of Construction Milestones; and Four Modifications to the Facility. Docket No. 00-AFC-1C, Order No. [Not Given]. July 19.

California Energy Commission (CEC). 2007. Order Amending the Energy Commission Decision to Eliminate the Use of San Joaquin River Water as the Cooling Water Source and Complete Ten Associated Project Design Changes. Docket No. 00-AFC-1C, Order No. 07.0801-2. August 1.

URS Corporation. 2001. Biological Resources Mitigation, Implementation, and Monitoring Plan for Contra Costa Power Plant Unit 8 Project. Prepared for Mirant Delta LLC. Revised Version, August.

Appendix A

Site Photo



Photo 1: Nest with 2 eggs observed inside the facility near a walkway barrier on May 4th, 2023.

Memorandum



Photo 2: Empty nest that was likely predated from observed May 10th, 2023.