

<b>DOCKETED</b>	
<b>Docket Number:</b>	00-AFC-01C
<b>Project Title:</b>	Contra Costa Power Plant Project Compliance
<b>TN #:</b>	262263
<b>Document Title:</b>	Annual Compliance Report RY 2024 for the PG&E Gateway Generating Station
<b>Description:</b>	Annual Compliance Report RY 2024
<b>Filer:</b>	Angel B. Espiritu
<b>Organization:</b>	PG&E Gateway Generating Station
<b>Submitter Role:</b>	Applicant Representative
<b>Submission Date:</b>	3/20/2025 1:34:39 PM
<b>Docketed Date:</b>	3/20/2025



**Pacific Gas and  
Electric Company®**

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Gateway Generating Station  
3225 Wilbur Ave.  
Antioch, CA 94509  
(925) 522-7801

March 18, 2025

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, 2024, to  
December 31, 2024

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, 2024, to December 31, 2024.

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](mailto:abe4@pge.com).

Sincerely,

Aman Prakash Singh  
Senior Plant Manager

Attachments: a/s



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

**Annual Compliance Report No. 16**  
(Reporting Period: January 1, 2024 - December 31, 2024)

March 30, 2025

# Table of Contents

## Annual Compliance Report

Introduction .....	1
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### Compliance Activities

1. Compliance Matrix .....	1
2. Summary of Project Operating Status .....	1
3. Documents Required by Specific Conditions .....	1
4. Cumulative Listing of Post Certification Changes .....	3
5. Missed Submittal Deadlines .....	6
6. List of Filings/Permits .....	6
7. Projected Compliance Activities for the Succeeding Year .....	12
8. Listing of Year's Addition to On-site Compliance File .....	13
9. Evaluation of On-site Contingency Plan .....	17
10. Complaints, NOVs, and Citations .....	17

### List of Attachments

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 2024 to December 2024 (RY 2024).

## 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 2024 to December 2024, the 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 63.83 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 4** are copies of Quarterly Self-Monitoring Reports submitted to and received by the Delta Diablo (DD) on April 11, 2024, July 11, 2024, October 15, 2024, and January 13, 2025, to cover the reporting year (RY) 2024.
- 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 Annual Update of February

27, 2025, 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 11, 2024 - GGS submitted to DD the Quarterly Self-Monitoring Report and wastewater flow data for the period: October 2023 to December 2023

- 6.2. January 11, 2024 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for December 2023
- 6.3. January 11, 2024 - GGS submitted to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the Q4-2023 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)
- 6.4. January 11, 2024 – The Priority Pollutant Exemption Form with Certification Statement was submitted to DD.
- 6.5. January 16, 2024 – 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 16, 2023, in Storm Water Multiple Application and Report Tracking Systems (SMARTS)
- 6.6. January 18, 2024 – GGS submitted to EPA Quarterly EPA ECMPS Electronic Data Reports (EDR) Reports for Q4-2023 (Part 75 Compliance)
- 6.7. January 30, 2024 - (Condition of Certification AQ-14) Quarterly Air Compliance Report for Q4-2023 was submitted to CEC/BAAQMD
- 6.8. February 6, 2024 – 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 29, 2023, in Storm Water Multiple Application and Report Tracking Systems (SMARTS)
- 6.9. February 6, 2024 – 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 16, 2024, in Storm Water Multiple Application and Report Tracking Systems (SMARTS)
- 6.10. February 6, 2024 – 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 13, 2024, in Storm Water Multiple Application and Report Tracking Systems (SMARTS)

- 6.11. February 26, 2024 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for January 2024
- 6.12. February 27, 2024 - GGS submitted to Contra Costa Health Services (CCHS) the Hazardous Materials Business Plan Annual Update for 2024, through the California Environmental Reporting System (CERS)
- 6.13. March 12, 2024 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for February 2024
- 6.14. March 12, 2024 – (Condition of Certification AQ-SC13) GGS submitted to BAAQMD/CEC the Notification on Visual Emission Evaluation for the earliest anticipated re-start date of March 26, 2024.
- 6.15. March 13, 2024 - (Condition of Certification AQ-29, AQ-30, AQ-31, AQ-32) GGS submitted to BAAQMD/CEC the annual 2024 Source Test Report and Relative Accuracy Test Audit & Compliance Test Report. The tests were completed January 22-26, 2024.
- 6.16. March 27, 2024 – (General Condition of Certification, pages 179-180): GGS submitted/docketed the Annual Compliance Report for RY 2023
- 6.17. April 4, 2024 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for March 2024
- 6.18. April 4, 2024 – (Condition of Certification AQ-SC13) GGS submitted to BAAQMD/CEC the Report on Visual Emission Evaluation for the restart dates of March 28, 2024, and March 30, 2024.
- 6.19. April 10, 2024 - GGS submitted to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the Q1-2024 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 11, 2024 - GGS submitted to DD the Quarterly Self-Monitoring Report and wastewater flow data for the period: January 2024 to March 2024
- 6.21. April 19, 2024 – GGS submitted to BAAQMD/CEC the Semi-annual Monitoring report for the period October 1, 2023, to March 31, 2024. This is to comply with Standard Condition F (Monitoring Report) of the Major Facility (Title V) Permit
- 6.22. April 25, 2024 - (Condition of Certification AQ-14) Quarterly Air Compliance Report for Q1 2024 was submitted to CEC/BAAQMD
- 6.23. April 25, 2024 – GGS submitted to EPA Quarterly EPA ECMPS Electronic Data Reports (EDR) Reports for Q1-2024 (Part 75 Compliance)
- 6.24. May 15, 2024 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for April 2024
- 6.25. May 15, 2024 – GGS submitted to BAAQMD the Permit to Operate (PTO) Renewal Data update for 2024-2025 permit cycle
- 6.26. June 15, 2024 - 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 in compliance with the requirement of Paragraph 11 (1) of the Second Amended Compliance Decree (CV09-4503-SI)
- 6.27. June 18, 2024 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for May 2024
- 6.28. July 2, 2024 - In compliance with the terms of the General Permit for Storm Water Associated with Industrial Activity, the 2023-2024 Annual Report was submitted to Central Valley Regional Water Quality Control Board (through SMARTS)
- 6.29. July 11, 2024 - GGS submitted to DD the Quarterly Self-Monitoring Report and wastewater flow data for the period: April 2024 to June 2024

- 6.30. July 11, 2024 – GGS received the renewal on the Permit to Operate (PTO) from BAAQMD. The PTO expires on August 1, 2025.
- 6.31. July 12, 2024 - GGS submitted to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the Q2-2024 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)
- 6.32. July 15, 2024 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for June 2024
- 6.33. July 15, 2024- (Condition of Certification AQ-14) Quarterly Air Compliance Report for Q2 2024 was submitted to CEC/BAAQMD
- 6.34. July 16, 2024 – GGS submitted to EPA Quarterly EPA ECMPS Electronic Data Reports (EDR) Reports for Q2-2024 (Part 75 Compliance)
- 6.35. August 9, 2024 - GGS submitted to Contra Costa Health Services (CCHS) the Hazardous Materials Business Plan Interim Update August 9, 2024, through the California Environmental Reporting System (CERS)
- 6.36. August 20, 2023 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for July 2024
- 6.37. September 9, 2024 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for August 2024
- 6.38. September 18, 2024 – GGS submitted to BAAQMD/EPA, and copied CEC, on the Annual Compliance Certification for the reporting period of September 1, 2023, to August 31, 2024 as required under permit condition I.G of the Major Facility Review (Title V) permit.
- 6.39. October 2, 2024 - GGS submitted to Contra Costa Health Services (CCHS) the Hazardous Materials Business Plan Interim Update October 2, 2024, through the California Environmental Reporting System (CERS)

- 6.40. October 15, 2024 - GGS submitted to DD the Quarterly Self-Monitoring Report and wastewater flow data for the period: July 2024 to September 2024
- 6.41. October 16, 2024 - GGS submitted to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the Q3-2024 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)
- 6.42. October 17, 2024 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for September 2024
- 6.43. October 18, 2024 – GGS submitted to BAAQMD/CEC the Semi-annual Monitoring report for the period April 1, 2024 to September 30, 2024. This is to comply with Standard Condition F (Monitoring Report) of the Major Facility (Title V) Permit
- 6.44. October 23, 2024 – GGS submitted to EPA Quarterly EPA ECMPS Electronic Data Reports (EDR) Reports for Q3-2024 (Part 75 Compliance)
- 6.45. October 29, 2024 - (Condition of Certification AQ-14) Quarterly Air Compliance Report for Q3 2024 was submitted to CEC/BAAQMD
- 6.46. November 21, 2024 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for October 2024
- 6.47. December 11, 2024 - 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 in compliance with the requirement of Paragraph 11 (1) of the Second Amended Compliance Decree (CV09-4503-SI)
- 6.48. December 12, 2024 - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for November 2024
- 6.49. December 30, 2024 - (Conditions of Certification AQ-31) GGS submitted to BAAQMD and CEC the 2025 Annual RATA and Source

Test Protocol for the proposed dates of January 13-17, 2025

- 6.50. December 31, 2024 – 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 November 24, 2024, in Storm Water Multiple Application and Report Tracking Systems (SMARTS)
7. **Projected Compliance Activities for Next Year (RY January 1, 2025 – December 31, 2025)** - The following is a list of compliance activities/documents that PG&E anticipates for the January 1, 2025 to December 31, 2025 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 2025
  - 7.4 Quarterly Air Quality EDR reports to EPA due on January 30, 2025, April 30, 2025, July 30, 2025, and October 30, 2025
  - 7.5 Quarterly Self-Monitoring Reports to DD due on January 15, 2025, April 15, 2025, July 15, 2025, and October 15, 2025
  - 7.6 Quarterly Industrial Flow Data Report to DD due January 15, 2025, April 15, 2025, July 15, 2025, and October 15, 2025
  - 7.7 Annual HMBP update due to CCHS on March 1, 2025
  - 7.8 2024-2025 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, 2025
  - 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 2026

- 7.11 (Conditions of Certification AQ-29, AQ-30, AQ-31, and AQ-32) - To submit to BAAQMD and CEC Source Test Report and 2025 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 in compliance with the requirement of Paragraph 12 of the Second Amended Compliance Decree (CV09-4503-SI). These reports are due on January 30, 2025, April 30, 2025, July 30, 2025, and October 30, 2025
  - 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 in compliance with the requirement of Paragraph 11 of the Second Amended Compliance Decree (CV09-4503-SI). These reports are due on June 15, 2025, and December 15, 2025.
  - 7.14 To submit to BAAQMD/EPA Annual and Semi-annual Title V reports. These reports are due on September 30, 2025, April 30, 2025, and October 30, 2025, respectively.
  - 7.15 (Conditions of Certification – General Conditions) - CEC Annual Compliance Report for RY2024 due March 30, 2025, 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.

<b>Date</b>	<b>To</b>	<b>Condition</b>	<b>Subject</b>
1/11/2024	DD	SOILS&WATER-4	Quarterly Self-Monitoring Report for the period: Oct 2023 to Dec 2024
1/11/2024	BAAQMD	AQ-33	Monthly CEMS Report for December 2024
1/11/2024	US EPA IX/CEC	Consent Decree Paragraph 12	Quarterly Excess Emission Report (NOx & CO) for Q4-2023
1/11/2024	DD	SOILS&WATER-4	Priority Pollutant Exemption Form/Certification Statement submitted
1/16/2024	CVRWQCB-SMARTS	IGP	Analytical results for the sampling of the QSEs that occurred on Dec 16, 2023
1/18/2024	EPA	Part 75	EPA Quarterly EPA ECMPs Electronic Data Reports (EDR) Reports for Q4-2023
1/30/2024	CEC/BAAQMD	AQ-14	Quarterly Air Compliance Report for Q4-2023
2/6/2024	CVRWQCB-SMARTS	IGP	Analytical results for the sampling of the QSEs that occurred on Dec 29, 2023
2/6/2024	CVRWQCB-SMARTS	IGP	Analytical results for the sampling of the QSEs that occurred on Jan 13, 2024
2/6/2024	CVRWQCB-SMARTS	IGP	Analytical results for the sampling of the QSEs that occurred on Jan 16, 2024
2/13/2024	BAAQMD/CEC	AQ-29, AQ-30, AQ-31, AQ-32	Source Test Report and 2024 Relative Accuracy Test Audit and Compliance Test Report; the tests were completed January 22-26, 2024
2/26/2024	BAAQMD	AQ-33	Monthly CEMS Report for January 2024
2/27/2024	CCHS/CERS		Hazardous Materials Business Plan Annual Update for 2024

<b>Date</b>	<b>To</b>	<b>Condition</b>	<b>Subject</b>
3/12/2024	BAAQMD	AQ-33	Monthly CEMS Report for February 2024
3/12/2024	CEC/BAAQMD	AQ-SC13	Notification on Visual Emission Evaluation (VEE) for Mar 26, 2024 Restart
3/27/2024	CEC	GEN (pp.179-180)	Annual Compliance Report #14 RY 2023
4/11/2024	DD	SOILS&WATER-4	Quarterly Self-Monitoring Report for the period: January 2024 to March 2024
4/4/2024	BAAQMD	AQ-33	Monthly CEMS Report for March 2024
4/4/2024	CEC/BAAQMD	AQ-SC13	Report on Visual Emission Evaluation (VEE) for Mar 28, 2024, and Mar 30, 2024 Restart
4/10/2024	US EPA IX/ CEC/DOJ	Consent Decree Paragraph 12	Quarterly Excess Emission Report (NOx & CO) for Q1-2024
4/19/2024	BAAQMD/CEC	Title V	Semi-annual Monitoring Report for Oct 1, 2023, to Mar 31, 2024
4/25/2024	CEC/BAAQMD	AQ-14	Quarterly Air Compliance Report for Q1 2024
4/25/2024	EPA	Part 75	EPA ECMPS (EDR) for Q1-2024
5/15/2024	BAAQMD	AQ-33	Monthly CEMS Report for April 2024
5/15/2023	BAAQMD	PTO	PTO Renewal Data Update for 2024-2025 Permit cycle
6/15/2024	US EPA IX/ CEC	Consent Decree Paragraph 11(1)	Semi-annual Report on CO Projected Exceedance Date

<b>Date</b>	<b>To</b>	<b>Condition</b>	<b>Subject</b>
6/18/2024	BAAQMD	AQ-33	Monthly CEMS Report for May 2024
7/2/2024	CVRWQCB-SMARTS	IGP	Storm Water Annual Report for 2023-2024
7/11/2024	DD	SOILS&WATER-4	Quarterly Self-Monitoring Report for the period: April 2024 to June 2024
7/12/2024	US EPA IX/CEC/DOJ	Consent Decree Paragraph 12	Quarterly Excess Emission Report (NOx & CO) for Q2-2024
7/15/2023	BAAQMD	AQ-33	Monthly CEMS Report for June 2024
7/15/2024	CEC/BAAQMD	AQ-14	Quarterly Air Compliance Report for Q2 2024
7/16/2024	EPA	Part 75	EPA ECMPS EDR for Q2-2024
8/9/2024	CCHS/CERS		Hazardous Materials Business Plan Interim Update Aug 9, 2024
8/20/2024	BAAQMD	AQ-33	Monthly CEMS Report for July 2024
9/9/2024	BAAQMD	AQ-33	Monthly CEMS Report for August 2024
9/18/2024	BAAQMD/EPA /CEC	Title V	Annual Compliance Certification (Sep 1, 2023- Aug 31, 2024)
10/2/2024	CCHS/CERS		Hazardous Materials Business Plan Interim Update Oct 2, 2024
10/15/2024	DD	SOILS&WATER-4	Quarterly Self-Monitoring Report for the period: July 2024 to September 2024
10/16/2024	US EPA IX/CEC	Consent Decree Paragraph 12	Quarterly Excess Emission Report (NOx & CO) for Q3-2024
10/17/2024	BAAQMD	AQ-33	Monthly CEMS Report for September 2024
10/18/2024	BAAQMD/CEC	Title V	Semi-annual Monitoring Report for Apr 1, 2024 to Sep 30, 2024



<b>Date</b>	<b>To</b>	<b>Condition</b>	<b>Subject</b>
10/23/2024	EPA	Part 75	EPA ECMPS EDR for Q3-2024
10/29/2024	CEC/BAAQMD	AQ-14	Quarterly Air Compliance Report for Q3 2024
11/21/2024	BAAQMD	AQ-33	Monthly CEMS Report for October 2024
12/11/2024	US EPA IX/ CEC	Consent Decree Paragraph 11(1)	Semi-annual Report on CO Projected Exceedance Date
12/12/2024	BAAQMD	AQ-33	Monthly CEMS Report for November 2024
12/30/2024	BAAQMD/CEC	AQ-29, AQ-30, AQ-31, AQ-32	Notification on 2024 Source Test and Relative Accuracy Test Audit for Jan 13-17, 2025
12/31/2024	CVRWQCB-SMARTS	IGP	Analytical results for the sampling of the QSEs that occurred on Nov 24, 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, NOV's, Citations Received** – None

Gateway Generating Station  
(00-AFC-1C)

Annual Compliance Report No. 16

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 <b>listed in the Condition</b> under all operating scenarios, including duct burner firing mode and steam injection power aug mode. <b>Requirements do not apply to CT start-up or shut down.</b> (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 <b>shown in the Condition. (PSD)</b>	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 <b>specified in Condition</b> 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 <b>specified in Condition</b> 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 <b>specified in Condition</b> .	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 <b>for all parameters listed in Condition</b> .	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. <b>(See additional reporting requirements listed in Condition.)</b>	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 <b>Source Test Protocols</b> /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 <b>source test protocols and projected test dates</b> .	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 <b>(see Condition for more details)</b> .	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 <b>source test results</b> 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. 16

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
<b>POWER PLANT SITE ACTIVITIES</b>	
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
<b>SWITCHYARD &amp; TRANSMISSION TIE-IN ACTIVITIES</b>	
Start Switchyard Construction	10-01-07
Switchyard & Tie-in Complete	04-30-08
Synchronization with Grid and Interconnection	12-01-08
<b>FUEL SUPPLY LINE ACTIVITIES</b>	
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. 16

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 2024 - Dec 2024

Date	Water Consumption		
	(gals.)	(cu. feet)	(acre-feet)
Jan-24	1,042,720	139,391.39	3.20
Feb-24	320,656	42,865.47	0.98
Mar-24	976,080	130,482.92	3.00
Apr-24	2,148,944	287,272.03	6.59
May-24	1,313,200	175,549.31	4.03
Jun-24	3,197,152	427,397.06	9.81
Jul-24	2,133,264	285,175.92	6.55
Aug-24	2,714,208	362,836.83	8.33
Sep-24	2,759,680	368,915.56	8.47
Oct-24	2,021,152	270,188.72	6.20
Nov-24	961,184	128,491.61	2.95
Dec-24	1,211,280	161,924.58	3.72
Annual Total:	<b>20,799,520.00</b>	<b>2,780,491.39</b>	<b>63.83</b>



# Billing Statement

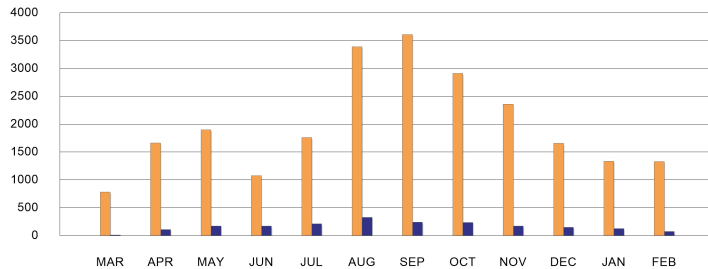
Pay Online: [www.municipalonlinepayments.com/antiochca](http://www.municipalonlinepayments.com/antiochca)

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



Prior Usage Current Usage

1 UNIT = 748 GALLONS

## Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	139996	141326	1330

## SPECIAL MESSAGE

Would you like to receive your water bill electronically? If so, please visit [www.antiochca.gov](http://www.antiochca.gov) to enroll in E-billing. You can also enroll in our autopay program using your debit or credit card.

## ACCOUNT INFORMATION

ACCOUNT: 004-01511-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 01/01/24 TO 02/01/24  
BILLING DATE: 02/05/24

## CURRENT CHARGES

WATER	\$6,051.50
USAGE TIER 1 = 1330 Units @ 4.55 / UNIT	\$6,051.50
2 " WATER MAINT FEE	\$165.00
SEWER	\$1,746.90
BACKFLOW DEVICE	\$25.10

## AMOUNT NOW DUE

PREVIOUS BALANCE	\$8,023.66
TOTAL PAYMENTS (LAST PAYMENT 01/30/2024)	(\$8,424.85)
TOTAL PENALTIES	\$401.19
CURRENT CHARGES DUE 02/26/2024	\$7,988.50
<b>TOTAL BALANCE</b>	<b>\$7,988.50</b>

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](mailto: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: 01/01/24 TO 02/01/24  
BILLING DATE: 02/05/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

PAST DUE BALANCE	\$0.00
CURRENT CHARGES DUE 02/26/2024	\$7,988.50
<b>TOTAL BALANCE</b>	<b>\$7,988.50</b>

### 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

00401511010000007988500000008387947

# 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](mailto:service@antiochca.gov) or call (925) 779-7060.

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# Billing Statement

## ACCOUNT INFORMATION

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ACCOUNT: 004-01512-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 01/01/24 TO 02/01/24  
BILLING DATE: 02/05/24

## YOUR MONTHLY USAGE



Prior Usage Current Usage

1 UNIT = 748 GALLONS

## 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 01/30/2024) (\$81.38)  
TOTAL PENALTIES \$3.88  
CURRENT CHARGES DUE 02/26/2024 \$77.50  
**TOTAL BALANCE \$77.50**

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ACCOUNT: 004-01512-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 01/01/24 TO 02/01/24  
BILLING DATE: 02/05/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

PAST DUE BALANCE \$0.00  
CURRENT CHARGES DUE 02/26/2024 \$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

00401512010000000077500000000081387

# Payment Options



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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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Mid Parking Lot (Drive-Up)

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200 H Street

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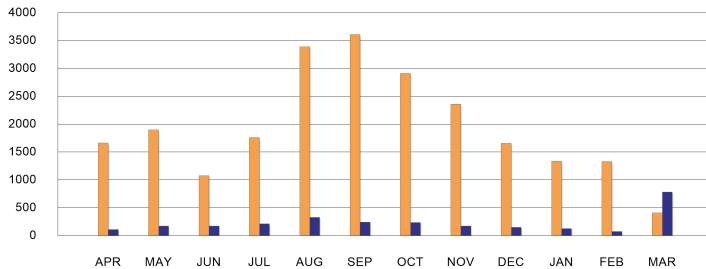
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Utility Billing: (925)779-7060 8:00 A.M.-5:00 P.M.

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

#### YOUR MONTHLY USAGE



Prior Usage Current Usage

1 UNIT = 748 GALLONS

#### Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	141326	141326	0
31682H	WATER	0	409	409
31682L	WATER	0	0	0

#### SPECIAL MESSAGE

Would you like to receive your water bill electronically? If so, please visit [www.antiochca.gov](http://www.antiochca.gov) to enroll in E-billing. You can also enroll in our autopay program using your debit or credit card.

#### ACCOUNT INFORMATION

ACCOUNT: 004-01511-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 02/01/24 TO 03/01/24  
BILLING DATE: 03/06/24

#### CURRENT CHARGES

WATER \$1,860.95  
USAGE TIER 1 = 409 Units @ 4.55 / UNIT \$1,860.95  
2" WATER MAINT FEE \$165.00  
SEWER \$540.39  
BACKFLOW DEVICE \$25.10

#### AMOUNT NOW DUE

PREVIOUS BALANCE \$7,988.50  
TOTAL PAYMENTS \$0.00  
TOTAL PENALTIES \$399.44  
CURRENT CHARGES DUE 03/27/2024 \$2,591.44  
**TOTAL BALANCE \$10,979.38**

*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.*

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## Payment Coupon

#### ACCOUNT INFORMATION

ACCOUNT: 004-01511-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 02/01/24 TO 03/01/24  
BILLING DATE: 03/06/24



#### PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

#### AMOUNT DUE

PAST DUE BALANCE \$8,387.94  
CURRENT CHARGES DUE 03/27/2024 \$2,591.44  
**TOTAL BALANCE \$10,979.38**

#### 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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# 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

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For iOS and Android



## Dropbox

Antioch City Hall

Mid Parking Lot (Drive-Up)

\*No Cash



## In Person

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200 H Street

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# Billing Statement

## ACCOUNT INFORMATION

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ACCOUNT: 004-01512-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 02/01/24 TO 03/01/24  
BILLING DATE: 03/06/24

## YOUR MONTHLY USAGE



Prior Usage Current Usage

1 UNIT = 748 GALLONS

## 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 03/27/2024 \$77.50  
**TOTAL BALANCE \$158.88**

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## Payment Coupon

### ACCOUNT INFORMATION

ACCOUNT: 004-01512-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 02/01/24 TO 03/01/24  
BILLING DATE: 03/06/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

PAST DUE BALANCE \$81.38  
CURRENT CHARGES DUE 03/27/2024 \$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

# Payment Options



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West Sacramento, CA 95798



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For iOS and Android



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Mid Parking Lot (Drive-Up)

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200 H Street

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# Billing Statement

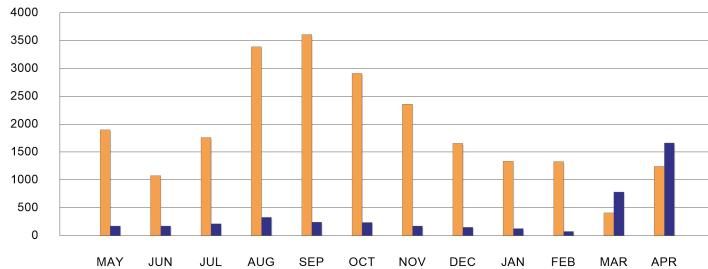
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Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

## YOUR MONTHLY USAGE



Prior Usage Current Usage

1 UNIT = 748 GALLONS

## Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682H	WATER	409	1654	1245
31682L	WATER	0	0	0

## SPECIAL MESSAGE

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## ACCOUNT INFORMATION

ACCOUNT: 004-01511-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 03/01/24 TO 04/01/24  
BILLING DATE: 04/04/24

## CURRENT CHARGES

WATER	\$5,664.75
USAGE TIER 1 = 1245 Units @ 4.55 / UNIT	\$5,664.75
2 " WATER MAINT FEE	\$165.00
SEWER	\$1,635.55
BACKFLOW DEVICE	\$25.10

## AMOUNT NOW DUE

PREVIOUS BALANCE	\$10,979.38
TOTAL PAYMENTS (LAST PAYMENT 03/27/2024)	(\$10,579.94)
TOTAL ADJUSTMENTS	(\$399.44)
CURRENT CHARGES DUE 04/25/2024	\$7,490.40
<b>TOTAL BALANCE</b>	<b>\$7,490.40</b>

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: 03/01/24 TO 04/01/24  
BILLING DATE: 04/04/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

PAST DUE BALANCE	\$0.00
CURRENT CHARGES DUE 04/25/2024	\$7,490.40
<b>TOTAL BALANCE</b>	<b>\$7,490.40</b>

### 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

00401511010000007490400000007864930

# Payment Options



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SERVICE PERIOD: 03/01/24 TO 04/01/24  
BILLING DATE: 04/04/24

## YOUR MONTHLY USAGE



Prior Usage Current Usage

1 UNIT = 748 GALLONS

## 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 03/27/2024) (\$155.00)  
TOTAL ADJUSTMENTS (\$3.88)  
CURRENT CHARGES DUE 04/25/2024 \$77.50  
**TOTAL BALANCE \$77.50**

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SERVICE PERIOD: 03/01/24 TO 04/01/24  
BILLING DATE: 04/04/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

PAST DUE BALANCE \$0.00  
CURRENT CHARGES DUE 04/25/2024 \$77.50  
**TOTAL BALANCE \$77.50**

### AMOUNT ENCLOSED

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



CITY OF ANTIOCH  
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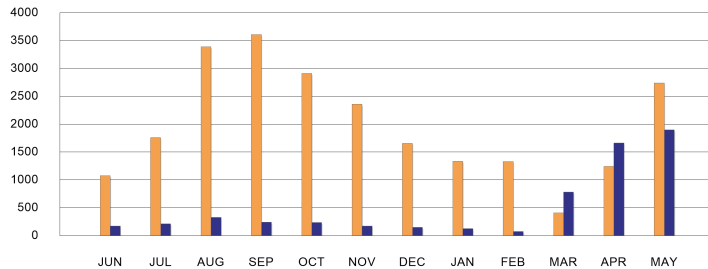
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## YOUR MONTHLY USAGE



Prior Usage Current Usage

1 UNIT = 748 GALLONS

## Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682H	WATER	1654	4395	2741
31682L	WATER	0	0	0

## SPECIAL MESSAGE

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## ACCOUNT INFORMATION

ACCOUNT: 004-01511-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 04/01/24 TO 05/01/24  
BILLING DATE: 05/06/24

## CURRENT CHARGES

WATER \$12,471.55  
USAGE TIER 1 = 2741 Units @ 4.55 / UNIT \$12,471.55  
2" WATER MAINT FEE \$165.00  
SEWER \$3,595.31  
BACKFLOW DEVICE \$25.10

## AMOUNT NOW DUE

PREVIOUS BALANCE \$7,490.40  
TOTAL PAYMENTS (LAST PAYMENT 04/25/2024) (\$7,490.40)  
CURRENT CHARGES DUE 05/27/2024 \$16,256.96  
**TOTAL BALANCE \$16,256.96**

*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](mailto: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: 04/01/24 TO 05/01/24  
BILLING DATE: 05/06/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

PAST DUE BALANCE \$0.00  
CURRENT CHARGES DUE 05/27/2024 \$16,256.96  
**TOTAL BALANCE \$16,256.96**

### 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

00401511010000016256960000017069825



# 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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# Billing Statement

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

## 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: 04/01/24 TO 05/01/24  
BILLING DATE: 05/06/24

## 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 \$77.50  
TOTAL PAYMENTS (LAST PAYMENT 04/25/2024) (\$77.50)  
CURRENT CHARGES DUE 05/27/2024 \$77.50  
**TOTAL BALANCE \$77.50**

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ACCOUNT: 004-01512-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 04/01/24 TO 05/01/24  
BILLING DATE: 05/06/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

PAST DUE BALANCE \$0.00  
CURRENT CHARGES DUE 05/27/2024 \$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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# Payment Options



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## By Phone - Available 24/7

(866) 301-8999



## By Mail

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PO Box 981476  
West Sacramento, CA 95798



## Smart Phone App

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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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# Billing Statement

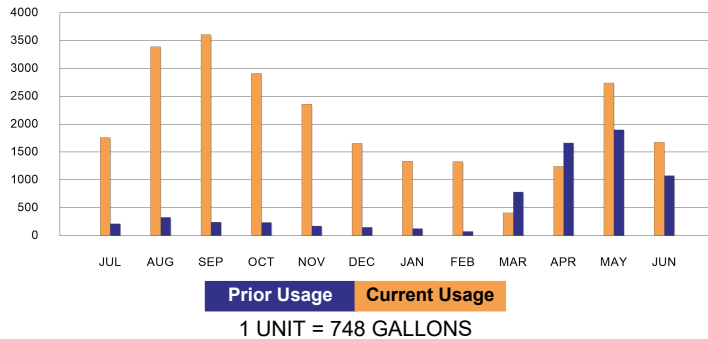
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Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

## YOUR MONTHLY USAGE



## Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682H	WATER	4395	6070	1675
31682L	WATER	0	0	0

## SPECIAL MESSAGE

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## ACCOUNT INFORMATION

ACCOUNT: 004-01511-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 05/01/24 TO 06/01/24  
BILLING DATE: 06/03/24

## CURRENT CHARGES

WATER	\$7,621.25
USAGE TIER 1 = 1675 Units @ 4.55 / UNIT	\$7,621.25
2 " WATER MAINT FEE	\$165.00
SEWER	\$2,198.85
BACKFLOW DEVICE	\$25.10

## AMOUNT NOW DUE

PREVIOUS BALANCE	\$16,256.96
TOTAL PAYMENTS (LAST PAYMENT 05/13/2024)	(\$16,256.96)
CURRENT CHARGES DUE 06/24/2024	\$10,010.20
<b>TOTAL BALANCE</b>	<b>\$10,010.20</b>

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## Payment Coupon

### ACCOUNT INFORMATION

ACCOUNT: 004-01511-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 05/01/24 TO 06/01/24  
BILLING DATE: 06/03/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

PAST DUE BALANCE	\$0.00
CURRENT CHARGES DUE 06/24/2024	\$10,010.20
<b>TOTAL BALANCE</b>	<b>\$10,010.20</b>

### 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

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For iOS and Android



## Dropbox

Antioch City Hall

Mid Parking Lot (Drive-Up)

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## In Person

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200 H Street

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# Billing Statement

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

ACCOUNT: 004-01512-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 05/01/24 TO 06/01/24  
BILLING DATE: 06/03/24

## YOUR MONTHLY USAGE



Prior Usage Current Usage

1 UNIT = 748 GALLONS

## 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 05/13/2024) (\$77.50)  
CURRENT CHARGES DUE 06/24/2024 \$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: 05/01/24 TO 06/01/24  
BILLING DATE: 06/03/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

PAST DUE BALANCE \$0.00  
CURRENT CHARGES DUE 06/24/2024 \$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

00401512010000000077500000000081387

# Payment Options



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## By Mail

City of Antioch

PO Box 981476

West Sacramento, CA 95798



## Smart Phone App

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For iOS and Android



## Dropbox

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Mid Parking Lot (Drive-Up)

\*No Cash



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200 H Street

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# Billing Statement

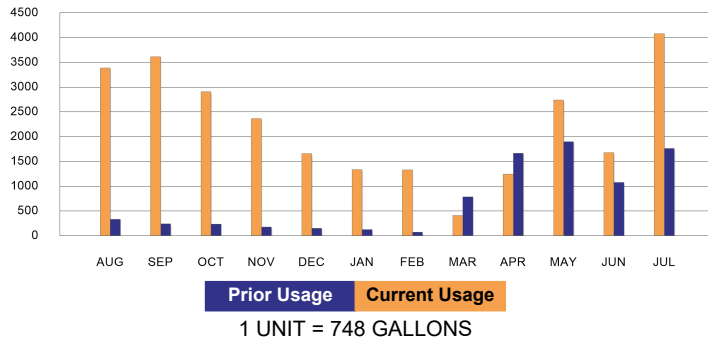
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Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

## YOUR MONTHLY USAGE



## Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682H	WATER	6070	10148	4078
31682L	WATER	0	0	0

## SPECIAL MESSAGE

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## ACCOUNT INFORMATION

ACCOUNT: 004-01511-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 06/01/24 TO 07/01/24  
BILLING DATE: 07/08/24

## CURRENT CHARGES

WATER \$18,554.90  
USAGE TIER 1 = 4078 Units @ 4.55 / UNIT \$18,554.90  
2 " WATER MAINT FEE \$165.00  
SEWER \$5,795.71  
BACKFLOW DEVICE \$25.10

## AMOUNT NOW DUE

PREVIOUS BALANCE \$10,010.20  
TOTAL PAYMENTS (LAST PAYMENT 06/11/2024) (\$10,010.20)  
CURRENT CHARGES DUE 07/23/2024 \$24,540.71  
**TOTAL BALANCE \$24,540.71**

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## Payment Coupon

### ACCOUNT INFORMATION

ACCOUNT: 004-01511-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 06/01/24 TO 07/01/24  
BILLING DATE: 07/08/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

PAST DUE BALANCE \$0.00  
CURRENT CHARGES DUE 07/23/2024 \$24,540.71  
**TOTAL BALANCE \$24,540.71**

### 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

00401511010000024540710000025767763



# Payment Options



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## By Mail

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West Sacramento, CA 95798



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For iOS and Android



## Dropbox

Antioch City Hall

Mid Parking Lot (Drive-Up)

\*No Cash



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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

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SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 06/01/24 TO 07/01/24  
BILLING DATE: 07/08/24

## CURRENT CHARGES

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

## AMOUNT NOW DUE

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TOTAL PAYMENTS (LAST PAYMENT 06/11/2024) (\$77.50)  
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**TOTAL BALANCE \$77.50**

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SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 06/01/24 TO 07/01/24  
BILLING DATE: 07/08/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

PAST DUE BALANCE \$0.00  
CURRENT CHARGES DUE 07/23/2024 \$77.50  
**TOTAL BALANCE \$77.50**

### AMOUNT ENCLOSED

REMIT PAYMENT TO:

Pg&E  
3225 Wilbur Ave  
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CITY OF ANTIOCH  
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# Billing Statement

## ACCOUNT INFORMATION

ACCOUNT: 004-01511-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 07/01/24 TO 08/01/24  
BILLING DATE: 08/05/24

## CURRENT CHARGES

WATER \$12,380.55  
USAGE TIER 1 = 2721 Units @ 4.55 / UNIT \$12,380.55  
2 " WATER MAINT FEE \$165.00  
SEWER \$3,868.77  
BACKFLOW DEVICE \$25.10

## AMOUNT NOW DUE

PREVIOUS BALANCE \$24,540.71  
TOTAL PAYMENTS (LAST PAYMENT 07/26/2024) (\$24,540.71)  
TOTAL PENALTIES \$1,227.05  
CURRENT CHARGES DUE 08/20/2024 \$16,439.42  
**TOTAL BALANCE \$17,666.47**

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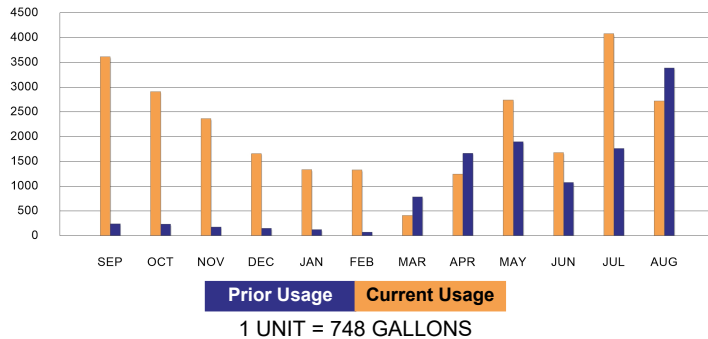
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Utility Billing: (925)779-7060 8:00 A.M.-5:00 P.M.

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
31682H	WATER	10148	12869	2721
31682L	WATER	0	0	0

## SPECIAL MESSAGE

Would you like to receive your water bill electronically? If so, please visit [www.antiochca.gov](http://www.antiochca.gov) to enroll in E-billing. You can also enroll in our autopay program using your debit or credit card.

## Payment Coupon

### ACCOUNT INFORMATION

ACCOUNT: 004-01511-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 07/01/24 TO 08/01/24  
BILLING DATE: 08/05/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

PAST DUE BALANCE \$1,227.05  
CURRENT CHARGES DUE 08/20/2024 \$16,439.42  
**TOTAL BALANCE \$17,666.47**

### 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

00401511010000017666470000018488453

# 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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Any type of payment returned to the City are subject to a returned fee of \$50.00. This may subject you to immediate disconnection of water service if payment was made to avoid a disconnection.

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.



# Billing Statement

## ACCOUNT INFORMATION

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All Offices are open Monday-Friday

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

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ACCOUNT: 004-01512-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 07/01/24 TO 08/01/24  
BILLING DATE: 08/05/24

## YOUR MONTHLY USAGE



Prior Usage Current Usage

1 UNIT = 748 GALLONS

## 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 07/26/2024) (\$77.50)  
TOTAL PENALTIES \$3.88  
CURRENT CHARGES DUE 08/20/2024 \$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.*

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## Payment Coupon

### ACCOUNT INFORMATION

ACCOUNT: 004-01512-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 07/01/24 TO 08/01/24  
BILLING DATE: 08/05/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

PAST DUE BALANCE \$3.88  
CURRENT CHARGES DUE 08/20/2024 \$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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# Payment Options



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(866) 301-8999



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PO Box 981476

West Sacramento, CA 95798



## Smart Phone App

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For iOS and Android



## Dropbox

Antioch City Hall

Mid Parking Lot (Drive-Up)

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200 H Street

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# Billing Statement

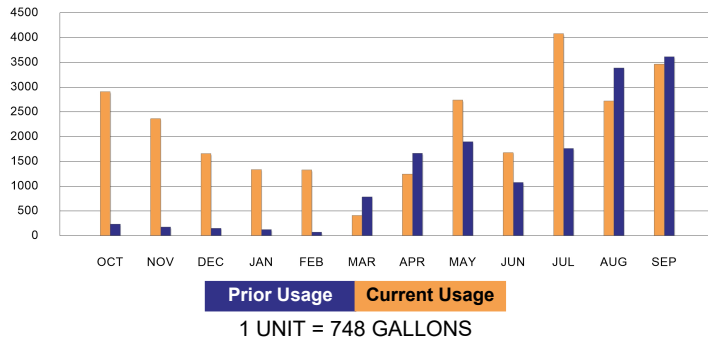
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## YOUR MONTHLY USAGE



## Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682H	WATER	12869	16331	3462
31682L	WATER	0	0	0

## SPECIAL MESSAGE

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## ACCOUNT INFORMATION

ACCOUNT: 004-01511-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 08/01/24 TO 09/01/24  
BILLING DATE: 09/05/24

## CURRENT CHARGES

WATER	\$15,752.10
USAGE TIER 1 = 3462 Units @ 4.55 / UNIT	\$15,752.10
2 " WATER MAINT FEE	\$165.00
SEWER	\$4,920.99
BACKFLOW DEVICE	\$25.10

## AMOUNT NOW DUE

PREVIOUS BALANCE	\$17,666.47
TOTAL PAYMENTS (LAST PAYMENT 08/20/2024)	(\$17,666.47)
CURRENT CHARGES DUE 09/20/2024	\$20,863.19
<b>TOTAL BALANCE</b>	<b>\$20,863.19</b>

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: 08/01/24 TO 09/01/24  
BILLING DATE: 09/05/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

PAST DUE BALANCE	\$0.00
CURRENT CHARGES DUE 09/20/2024	\$20,863.19
<b>TOTAL BALANCE</b>	<b>\$20,863.19</b>

### 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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## 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  
For iOS and Android



SCAN ME



## Dropbox

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



## In Person

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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: 08/01/24 TO 09/01/24  
BILLING DATE: 09/05/24

## 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 08/20/2024) (\$81.38)  
CURRENT CHARGES DUE 09/20/2024 \$77.50  
**TOTAL BALANCE \$77.50**

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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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## Payment Coupon

### ACCOUNT INFORMATION

ACCOUNT: 004-01512-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 08/01/24 TO 09/01/24  
BILLING DATE: 09/05/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

PAST DUE BALANCE \$0.00  
CURRENT CHARGES DUE 09/20/2024 \$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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# 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

MyCivic Utilities App  
For iOS and Android



SCAN ME



## Dropbox

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



## In Person

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200 H Street

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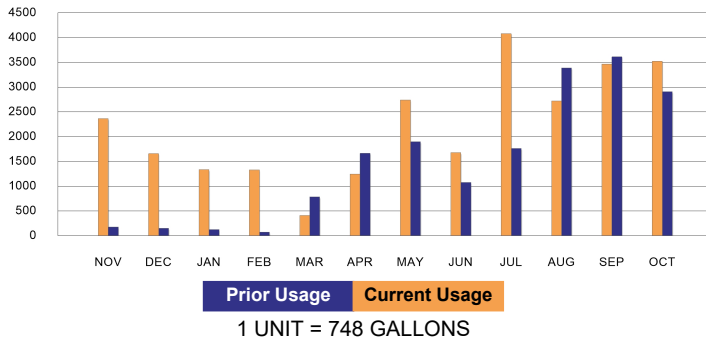
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Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

#### YOUR MONTHLY USAGE



#### Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682H	WATER	16331	19851	3520
31682L	WATER	0	0	0

#### SPECIAL MESSAGE

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#### ACCOUNT INFORMATION

ACCOUNT: 004-01511-01  
 SERVICE ADDRESS: 3225 Wilbur Ave  
 SERVICE PERIOD: 09/01/24 TO 10/01/24  
 BILLING DATE: 10/08/24  
**CURRENT CHARGES DUE DATE 10/23/2024**

#### CURRENT CHARGES

WATER \$16,016.00  
 USAGE TIER 1 = 3520 Units @ 4.55 / UNIT \$16,016.00  
 2 " WATER MAINT FEE \$165.00  
 SEWER \$5,003.35  
 BACKFLOW DEVICE \$25.10

#### AMOUNT NOW DUE

PREVIOUS BALANCE \$20,863.19  
 TOTAL PAYMENTS (LAST PAYMENT 09/20/2024) (\$20,863.19)  
 CURRENT CHARGES DUE 10/23/2024 \$21,209.45  
**TOTAL BALANCE \$21,209.45**

*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: 09/01/24 TO 10/01/24  
 BILLING DATE: 10/08/24



#### PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

#### AMOUNT DUE

**PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00**  
**CURRENT CHARGES DUE 10/23/2024 \$21,209.45**  
**TOTAL BALANCE \$21,209.45**

#### 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

00401511010000021209450000022269930

# Payment Options



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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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For iOS and Android



## Dropbox

Antioch City Hall

Mid Parking Lot (Drive-Up)

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## In Person

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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: 09/01/24 TO 10/01/24  
BILLING DATE: 10/08/24  
**CURRENT CHARGES DUE DATE** 10/23/2024

## 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 09/20/2024) (\$77.50)  
CURRENT CHARGES DUE 10/23/2024 \$77.50  
**TOTAL BALANCE** \$77.50

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### ACCOUNT INFORMATION

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SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 09/01/24 TO 10/01/24  
BILLING DATE: 10/08/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

**PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT)** \$0.00  
**CURRENT CHARGES DUE 10/23/2024** \$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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# Billing Statement

## ACCOUNT INFORMATION

ACCOUNT: 004-01511-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 10/01/24 TO 11/01/24  
BILLING DATE: 11/04/24  
**CURRENT CHARGES DUE DATE** 11/19/2024

## CURRENT CHARGES

WATER \$11,729.90  
USAGE TIER 1 = 2578 Units @ 4.55 / UNIT \$11,729.90  
2 " WATER MAINT FEE \$165.00  
SEWER \$3,665.71  
BACKFLOW DEVICE \$25.10

## AMOUNT NOW DUE

PREVIOUS BALANCE \$21,209.45  
TOTAL PAYMENTS (LAST PAYMENT 10/23/2024) (\$21,209.45)  
CURRENT CHARGES DUE 11/19/2024 \$15,585.71  
**TOTAL BALANCE \$15,585.71**

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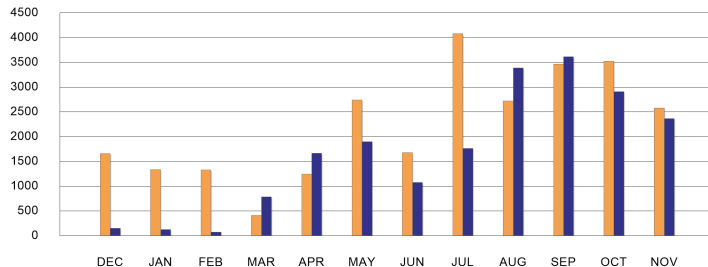
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Utility Billing: (925)779-7060 8:00 A.M.-5:00 P.M.

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

## YOUR MONTHLY USAGE



Prior Usage Current Usage

1 UNIT = 748 GALLONS

## Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682H	WATER	19851	22429	2578
31682L	WATER	0	0	0

## SPECIAL MESSAGE

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## Payment Coupon

### ACCOUNT INFORMATION

ACCOUNT: 004-01511-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 10/01/24 TO 11/01/24  
BILLING DATE: 11/04/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

**PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00**  
**CURRENT CHARGES DUE 11/19/2024 \$15,585.71**  
**TOTAL BALANCE \$15,585.71**

### 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

00401511010000015585710000016365016



# 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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# Billing Statement

## ACCOUNT INFORMATION

ACCOUNT: 004-01512-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 10/01/24 TO 11/01/24  
BILLING DATE: 11/04/24  
**CURRENT CHARGES DUE DATE** 11/19/2024

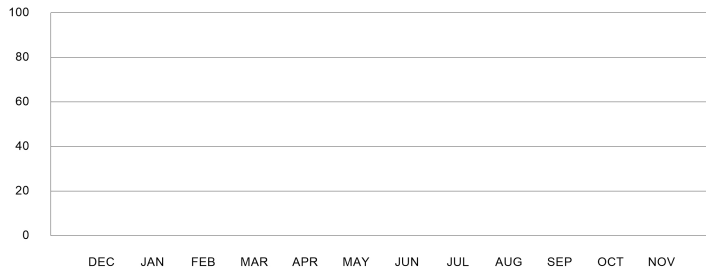
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## YOUR MONTHLY USAGE



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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## 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 10/23/2024) (\$77.50)  
CURRENT CHARGES DUE 11/19/2024 \$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: 10/01/24 TO 11/01/24  
BILLING DATE: 11/04/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

**PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00**  
**CURRENT CHARGES DUE 11/19/2024 \$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

00401512010000000077500000000081387

# 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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For iOS and Android



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Mid Parking Lot (Drive-Up)

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200 H Street

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# Billing Statement

## ACCOUNT INFORMATION

ACCOUNT: 004-01511-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 11/01/24 TO 12/01/24  
BILLING DATE: 12/05/24  
**CURRENT CHARGES DUE DATE** 12/20/2024

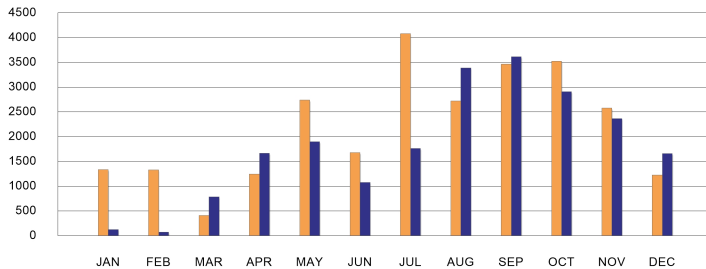
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Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

## YOUR MONTHLY USAGE



**Prior Usage** **Current Usage**

1 UNIT = 748 GALLONS

## CURRENT CHARGES

WATER \$5,578.30  
USAGE TIER 1 = 1226 Units @ 4.55 / UNIT \$5,578.30  
2 " WATER MAINT FEE \$165.00  
SEWER \$1,745.87  
BACKFLOW DEVICE \$25.10

## AMOUNT NOW DUE

PREVIOUS BALANCE \$15,585.71  
TOTAL PAYMENTS (LAST PAYMENT 11/19/2024) (\$15,585.71)  
CURRENT CHARGES DUE 12/20/2024 \$7,514.27  
**TOTAL BALANCE \$7,514.27**

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## SPECIAL MESSAGE

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## Payment Coupon

### ACCOUNT INFORMATION

ACCOUNT: 004-01511-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 11/01/24 TO 12/01/24  
BILLING DATE: 12/05/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

**PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00**  
**CURRENT CHARGES DUE 12/20/2024 \$7,514.27**  
**TOTAL BALANCE \$7,514.27**

### 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

00401511010000007514270000007889998

# Payment Options



## AutoDraft

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## 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



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For iOS and Android



## Dropbox

Antioch City Hall

Mid Parking Lot (Drive-Up)

\*No Cash



## In Person

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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: 11/01/24 TO 12/01/24  
BILLING DATE: 12/05/24  
**CURRENT CHARGES DUE DATE** 12/20/2024

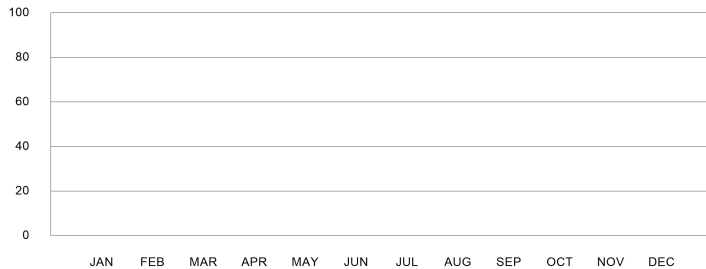
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Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

## YOUR MONTHLY USAGE



Prior Usage Current Usage

1 UNIT = 748 GALLONS

## 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 11/19/2024) (\$77.50)  
CURRENT CHARGES DUE 12/20/2024 \$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: 11/01/24 TO 12/01/24  
BILLING DATE: 12/05/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

**PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00**  
**CURRENT CHARGES DUE 12/20/2024 \$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

00401512010000000077500000000081387

# Payment Options



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(866) 301-8999



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City of Antioch

PO Box 981476

West Sacramento, CA 95798



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## Dropbox

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Mid Parking Lot (Drive-Up)

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200 H Street

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# Billing Statement

## ACCOUNT INFORMATION

ACCOUNT: 004-01511-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 12/01/24 TO 01/01/25  
BILLING DATE: 01/06/25  
**CURRENT CHARGES DUE DATE** 1/21/2025

## CURRENT CHARGES

WATER \$7,029.75  
USAGE TIER 1 = 1545 Units @ 4.55 / UNIT \$7,029.75  
2 " WATER MAINT FEE \$165.00  
SEWER \$2,384.60  
BACKFLOW DEVICE \$25.10

## AMOUNT NOW DUE

PREVIOUS BALANCE \$7,514.27  
TOTAL PAYMENTS (LAST PAYMENT 12/18/2024) (\$7,514.27)  
CURRENT CHARGES DUE 01/21/2025 \$9,604.45  
**TOTAL BALANCE \$9,604.45**

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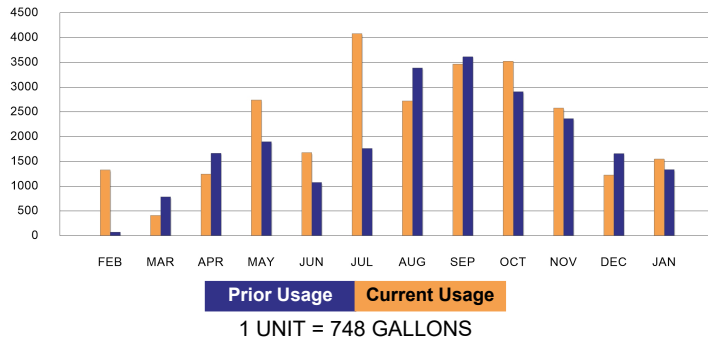
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Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

## YOUR MONTHLY USAGE



## Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682H	WATER	23655	25200	1545
31682L	WATER	0	0	0

## SPECIAL MESSAGE

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## Payment Coupon

### ACCOUNT INFORMATION

ACCOUNT: 004-01511-01  
SERVICE ADDRESS: 3225 Wilbur Ave  
SERVICE PERIOD: 12/01/24 TO 01/01/25  
BILLING DATE: 01/06/25



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

**PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00**  
**CURRENT CHARGES DUE 01/21/2025 \$9,604.45**  
**TOTAL BALANCE \$9,604.45**

### 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

00401511010000009604450000010084683



# Payment Options



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# Billing Statement

## ACCOUNT INFORMATION

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SERVICE PERIOD: 12/01/24 TO 01/01/25  
BILLING DATE: 01/06/25  
**CURRENT CHARGES DUE DATE** 1/21/2025

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## YOUR MONTHLY USAGE



**Prior Usage** **Current Usage**

1 UNIT = 748 GALLONS

## 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  
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### ACCOUNT INFORMATION

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SERVICE PERIOD: 12/01/24 TO 01/01/25  
BILLING DATE: 01/06/25



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

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**CURRENT CHARGES DUE 01/21/2025 \$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. 16

Exhibit 4  
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

April 10, 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 March 31, 2024)

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, 2024, 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 510-861-1597, or at [abe4@pge.com](mailto:abe4@pge.com). Thank you.

Sincerely,

*Tim Wisdom*

Tim Wisdom  
Senior Plant Manager

Attachment: a/s

RECEIVED

APR 11 2024

DELTA DIABLO



**Pacific Gas and  
Electric Company®**

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

April 10, 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 March 31, 2024)

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, 2024, as required under DD Industrial Wastewater Discharge Permit Number 0208841-C.

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If you have any questions about this report, please feel free to contact Angel Espiritu at 510-861-1597, or at [abe4@pge.com](mailto: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 March 31, 2024

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: 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: Tim Wisdom Date: April 10, 2024

Print Name: Tim Wisdom

Attachment 2  
Industrial User Compliance Report

## Industrial User Compliance Report Form

Attn: Jason Yun

Pretreatment

Fax # (925)756-1961

Phone: (925)756-1929

From: Tim Wisdom

Company: Pacific Gas and Electric Company – Gateway Generating Station

Period Covered: Period ending March 31, 2023

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.)
- ☒ 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	2/14/2024	2/15/2024	2/15/2024	2/15/2024	2/15/2024			
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-annual (SA1)	Compliance Annual (A)			

Units: mg/L

PARAMETERS	LIMITS								
FLOW, DAILY (gal)	51,120								
FLOW, MONTH (gal)									
pH	6-10 s.u.	8.71							
BOD				ND(<2.0)					
COD				20					
TDS				308					
TSS				1.00					
Arsenic	0.15			0.00033*					
Cadmium	0.1			ND(<0.00005)					
Chromium	0.5			ND(<0.00078)					
Copper	0.5			0.0032					
Iron				0.098					
Lead	0.5			ND(<0.00019)					
Mercury	0.003			ND(<0.00012)					
Molybdenum				0.033					
Nickel	0.5			0.00160					
Selenium	0.25			ND(<0.00018)					
Silver	0.2			ND(<0.000051)					
Zinc	1.00			0.018*					
Cyanide	0.2			0.015					
Phenol	1.00			ND(<0.0015)					
Ammonia	200			58					
O&G Petro/Min (E1664A w/ Silica)	100	ND(<1.0)	ND(<1.0)						
O&G Animal/Vegetable Oil	300	ND(<0.66)	ND(<0.66)						
TTO EPA 608									
TTO EPA 624									
TTO EPA 625									
TTO	2.00				0.00591				
Sulfide						0.067			
Sulfate						74			

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.

\* - J flag: The result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.

Attachment 4  
Discharge Flow Data

## PG&amp;E Gateway Generating Station

## Discharge Flow Data

January 2024-March 2024

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)	
1/1/2024	34.4	0.0	NO	23,409	0.1	0	NO		23,409
1/2/2024	34.4	0.0	NO	24,124	0.0	0	NO		24,124
1/3/2024	34.4	0.0	NO	24,150	25.2	0	NO	360	24,510
1/4/2024	34.5	0.0	NO	15,753	0.0	0	NO		15,753
1/5/2024	34.5	0.0	NO	18,542	25.0	0	NO	369	18,912
1/6/2024	34.4	0.0	NO	22,452	0.1	0	NO		22,452
1/7/2024	34.7	0.0	NO	19,029	0.0	0	NO		19,029
1/8/2024	34.5	0.0	NO	29,183	0.0	2	NO		29,183
1/9/2024	34.5	0.0	NO	27,585	25.9	0	NO	392	27,977
1/10/2024	34.5	0.0	NO	16,076	0.1	0	NO	392	16,468
1/11/2024	34.5	0.0	NO	24,375	26.4	0	NO	359	24,735
1/12/2024	34.5	0.0	NO	17,475	0.0	0	NO		17,475
1/13/2024	34.4	0.0	NO	6,654	0.0	0	NO		6,654
1/14/2024	34.5	0.0	NO	18,873	26.1	0	NO	378	19,250
1/15/2024	34.3	0.0	NO	21,697	0.1	0	NO		21,697
1/16/2024	34.2	0.0	NO	14,701	0.0	0	NO		14,701
1/17/2024	34.6	0.0	NO	10,975	26.8	0	NO	414	11,389
1/18/2024	34.7	0.0	NO	20,932	24.5	0	NO	366	21,298
1/19/2024	34.6	0.0	NO	16,621	0.0	0	NO		16,621
1/20/2024	40.0	7.0	NO	25,436	0.0	0	NO		25,436
1/21/2024	34.9	0.0	NO	29,189	0.0	0	NO		29,189
1/22/2024	34.5	0.0	NO	14,593	25.5	0	NO	383	14,975
1/23/2024	34.3	0.0	NO	17,031	0.0	0	NO		17,031
1/24/2024	34.5	0.0	NO	14,212	23.6	0	NO	362	14,574
1/25/2024	34.6	0.0	NO	26,041	0.0	0	NO		26,041
1/26/2024	34.5	0.0	NO	15,363	24.5	0	NO	396	15,759
1/27/2024	34.8	0.0	NO	17,730	0.0	0	NO		17,730
1/28/2024	34.7	0.0	NO	33,704	0.0	0	NO		33,704
1/29/2024	34.5	0.0	NO	17,297	25.5	0	NO	372	17,669
1/30/2024	34.5	0.0	NO	19,201	0.0	0	NO		19,201
1/31/2024	34.5	0.0	NO	17,881	26.2	0	NO	369	18,250

Max Daily Flow (Limit: 51,120):

33,704

Monthly Total:

625,198

2/1/2024	34.4	0.0	NO	14,368	0.0	0	NO	-	14,368
2/2/2024	34.4	0.0	NO	20,560	25.7	0	NO	381	20,941
2/3/2024	34.6	0.0	NO	21,729	0.1	0	NO	-	21,729
2/4/2024	34.5	0.0	NO	24,840	0.0	0	NO	-	24,840
2/5/2024	34.3	0.0	NO	14,163	25.2	0	NO	391	14,554
2/6/2024	34.4	0.0	NO	19,672	0.0	0	NO	-	19,672
2/7/2024	34.5	0.0	NO	33,394	24.9	0	NO	360	33,754
2/8/2024	34.4	0.0	NO	17,304	0.0	2	NO	-	17,304
2/9/2024	34.4	0.0	NO	18,149	0.0	0	NO	-	18,149
2/10/2024	34.6	0.0	NO	12,026	0.0	0	NO	-	12,026
2/11/2024	34.7	0.0	NO	31,779	0.0	0	NO	-	31,779
2/12/2024	34.4	0.0	NO	21,779	26.0	0	NO	411	22,190
2/13/2024	34.2	0.0	NO	3,183	25.4	0	NO	391	3,574
2/14/2024	34.5	0.0	NO	24,462	0.0	0	NO	-	24,462
2/15/2024	34.5	0.0	NO	41,817	26.1	0	NO	378	42,195
2/16/2024	34.4	0.0	NO	25,636	0.0	0	NO	-	25,636
2/17/2024	34.5	0.0	NO	16,556	0.0	0	NO	-	16,556
2/18/2024	34.5	0.0	NO	15,078	26.1	0	NO	364	15,442
2/19/2024	34.7	0.0	NO	30,670	0.1	0	NO	-	30,670

Public

## PG&amp;E Gateway Generating Station

## Discharge Flow Data

January 2024-March 2024

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)	
2/20/2024	34.5	0.0	NO	35,383	0.0	0	NO	-	35,383
2/21/2024	34.3	0.0	NO	6,795	26.4	0	NO	361	7,156
2/22/2024	34.4	0.0	NO	14,384	24.7	0	NO	353	14,737
2/23/2024	34.3	0.0	NO	13,588	0.1	0	NO	-	13,588
2/24/2024	34.5	0.0	NO	20,502	0.0	0	NO	-	20,502
2/25/2024	34.4	0.0	NO	10,088	0.0	0	NO	-	10,088
2/26/2024	34.4	0.0	NO	38,196	26.5	0	NO	390	38,586
2/27/2024	34.4	0.0	NO	29,832	0.0	0	NO	-	29,832
2/28/2024	34.7	0.0	NO	28,873	25.7	0	NO	429	29,302
2/29/2024	34.4	0.0	NO	10,774	25.7	0	NO	380	11,154

Max Daily Flow (Limit: 51,120): 42,195

Monthly Total: 620,169

3/1/2024	35.1	0.0	NO	43,525	0.1	0	NO		43,525
3/2/2024	35.1	0.0	NO	48,598	25.4	0	NO	413	49,012
3/3/2024	34.6	0.0	NO	49,018	0.0	0	NO		49,018
3/4/2024	34.4	0.0	NO	48,606	26.2	0	NO	388	48,993
3/5/2024	34.6	0.0	NO	41,946	0.0	0	NO		41,946
3/6/2024	-0.5	0.0	NO		25.2	0	NO	386	386
3/7/2024	34.3	0.0	NO	6,528	25.6	0	NO	380	6,908
3/8/2024	-0.5	0.0	NO		0.1	0	NO		-
3/9/2024	34.3	0.0	NO	1,320	26.5	0	NO	379	1,700
3/10/2024	9.6	4.0	NO		0.0	0	NO	379	379
3/11/2024	-0.5	0.0	NO		26.2	0	NO	399	399
3/12/2024	-0.5	0.0	NO		25.7	0	NO	370	370
3/13/2024	-0.5	0.0	NO		0.0	0	NO		-
3/14/2024	-0.4	0.0	NO		25.9	0	NO	393	393
3/15/2024	-0.5	0.0	NO		0.0	0	NO		-
3/16/2024	-0.5	0.0	NO		25.6	0	NO	385	385
3/17/2024	34.8	9.0	NO	6,784	0.0	0	NO		6,784
3/18/2024	34.6	0.0	NO	7,856	26.3	0	NO	387	8,243
3/19/2024	34.3	0.0	NO	10,372	26.1	0	NO	371	10,743
3/20/2024	-0.5	0.0	NO		0.0	0	NO		-
3/21/2024	-0.5	0.0	NO		26.2	0	NO	393	393
3/22/2024	-0.5	0.0	NO		25.5	0	NO	386	386
3/23/2024	34.4	0.0	NO	6,384	0.1	0	NO		6,384
3/24/2024	-0.4	0.0	NO		0.0	0	NO		-
3/25/2024	34.6	0.0	NO	23,702	24.7	0	NO	381	24,082
3/26/2024	34.4	0.0	NO	38,035	25.5	0	NO	410	38,445
3/27/2024	34.5	0.0	NO	15,470	25.1	0	NO	380	15,850
3/28/2024	34.8	0.0	NO	31,308	25.4	0	NO	391	31,698
3/29/2024	34.3	0.0	NO	29,145	0.0	0	NO		29,145
3/30/2024	34.7	0.0	NO	31,893	0.0	0	NO		31,893
3/31/2024	34.5	0.0	NO	21,823	25.0	0	NO	400	22,223

Max Daily Flow (Limit: 51,120): 49,018

Monthly Total: 469,685



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: **2024**

Month	Flow (gallons)	Due Date
January	625,198	4/15/2024
February	620,169	4/15/2024
March	469,685	4/15/2024
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

WSAC Operating Hours Report  
January 2024 to March 2024

WSAC Operation	
Month	Hours of Operation
January-24	No Operation
February-24	No Operation
March-24	No Operation
April-24	
May-24	
June-24	
January-24	
August-24	
September-24	
October-24	
November-24	
December-24	

Attachment 7  
Cycles of Concentration

PG&E Gateway Generating Station

WSAC Average Daily Blowdown Cycles Report  
January 2024 to March 2024

WSAC Operation	
Month	Average Daily Blowdown Cycles
January-24	No Operation
February-24	No Operation
March-24	No Operation
April-24	
May-24	
June-24	
January-24	
August-24	
September-24	
October-24	
November-24	
December-24	

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:** 2402A43

**Report Created for:** PG&E Gateway Generating Station

3225 Wilbur Avenue  
Antioch, CA 94509

**Project Contact:** Angel Espiritu

**Project P.O.:**

**Project:** Quarterly Sampling (February 2024)

**Project Received:** 02/15/2024

Analytical Report reviewed & approved for release on 03/05/2024 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  
**Project:** Quarterly Sampling (February 2024)

**WorkOrder:** 2402A43

### 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 <sup>1</sup>
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 <sup>2</sup>
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

<sup>1</sup> 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.

<sup>2</sup> 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:** 2402A43

**Project:** Quarterly Sampling (February 2024)

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:** 02/15/2024 13:38  
**Date Prepared:** 03/01/2024  
**Project:** Quarterly Sampling (February 2024)

**WorkOrder:** 2402A43  
**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	2402A43-002C	Water	02/15/2024 10:40	WC_SKALAR 240301B1_77	288906

Analytes	Result	MDL	RL	DF	Date Analyzed
Ammonia, total as N	58	1.9	2.0	20	03/01/2024 17:04

Analyst(s): IGC



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 02/15/2024 13:38  
**Date Prepared:** 02/16/2024  
**Project:** Quarterly Sampling (February 2024)

**WorkOrder:** 2402A43  
**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	2402A43-003A	Water	02/15/2024 10:25	WetChem	288039

Analytes	Result	MDL	RL	DE	Date Analyzed
BOD	ND	2.0	2.0	1.02	02/21/2024 13:15

Analyst(s): JRA



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 02/15/2024 13:38  
**Date Prepared:** 02/16/2024  
**Project:** Quarterly Sampling (February 2024)

**WorkOrder:** 2402A43  
**Extraction Method:** SM4500-CN<sup>-</sup> E  
**Analytical Method:** SM4500-CN<sup>-</sup> CE  
**Unit:** µg/L

### Cyanide, Total

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
E-001 Grab	2402A43-002D	Water	02/15/2024 10:40		WC_Skalar3 240216A0_22	288056
<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>	
Total Cyanide	15	0.58	1.0	1	02/16/2024 13:04	

Analyst(s): CC



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 02/15/2024 13:38  
**Date Prepared:** 02/26/2024  
**Project:** Quarterly Sampling (February 2024)

**WorkOrder:** 2402A43  
**Extraction Method:** SM5220 D  
**Analytical Method:** SM5220 D  
**Unit:** mg/L

### Chemical Oxygen Demand (COD) as mg O<sub>2</sub> /L

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2402A43-003B	Water	02/15/2024 10:25	SPECTROPHOTOMETER2	288560

Analytes	Result	MDL	RL	DF	Date Analyzed
COD	20	8.2	10	1	02/26/2024 18:26

Analyst(s): IGC



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 02/15/2024 13:38  
**Date Prepared:** 02/15/2024  
**Project:** Quarterly Sampling (February 2024)

**WorkOrder:** 2402A43  
**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	2402A43-003F	Water	02/15/2024 10:25	AA1 _16	287809

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Mercury	ND	0.12	0.20	1	02/16/2024 13:23

Analyst(s): DMA





## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 02/15/2024 13:38  
**Date Prepared:** 02/16/2024  
**Project:** Quarterly Sampling (February 2024)

**WorkOrder:** 2402A43  
**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	2402A43-003E	Water	02/15/2024 10:25			ICP-MS5 176SMPL.d	288009
<u>Analytes</u>	<u>Result</u>	<u>Qualifiers</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>	
Arsenic	0.33	J	0.071	0.50	1	02/20/2024 14:16	
Cadmium	ND		0.050	0.50	1	02/20/2024 14:16	
Chromium	ND		0.78	2.0	1	02/20/2024 14:16	
Copper	3.2		0.63	1.5	1	02/20/2024 14:16	
Iron	98		22	50	1	02/20/2024 14:16	
Lead	ND		0.19	0.50	1	02/20/2024 14:16	
Molybdenum	33		0.19	1.0	1	02/20/2024 14:16	
Nickel	1.6		0.33	0.50	1	02/20/2024 14:16	
Selenium	ND		0.18	0.50	1	02/20/2024 14:16	
Silver	ND		0.051	0.50	1	02/20/2024 14:16	
Zinc	18	J	11	20	1	02/20/2024 14:16	
<u>Surrogates</u>	<u>REC (%)</u>			<u>Limits</u>			
Terbium	112			70-130		02/20/2024 14:16	
<u>Analyst(s):</u> MIG							



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 02/15/2024 13:38  
**Date Prepared:** 02/26/2024  
**Project:** Quarterly Sampling (February 2024)

**WorkOrder:** 2402A43  
**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	2402A43-002C	Water	02/15/2024 10:40		WC_SKALAR 240226B1_23	288538
<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>	
Phenolics	ND	1.5	2.0	1	02/26/2024 14:32	

Analyst(s): CC



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 02/15/2024 13:38  
**Date Prepared:** 02/20/2024  
**Project:** Quarterly Sampling (February 2024)

**WorkOrder:** 2402A43  
**Extraction Method:** SM2540 C-  
**Analytical Method:** SM2540 C  
**Unit:** mg/L

### Total Dissolved Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2402A43-003C	Water	02/15/2024 10:25	WetChem	288186

Analytes	Result	MDL	RL	DE	Date Analyzed
Total Dissolved Solids	308	10.0	10.0	1	02/21/2024 14:06

Analyst(s): JME



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 02/15/2024 13:38  
**Date Prepared:** 02/21/2024  
**Project:** Quarterly Sampling (February 2024)

**WorkOrder:** 2402A43  
**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 Comp	2402A43-003D	Water	02/15/2024 10:25	WetChem	288324

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Total Suspended Solids	1.00	1.00	1.00	1	02/22/2024 14:06

Analyst(s): JME



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 03/01/2024  
**Date Analyzed:** 03/01/2024  
**Instrument:** WC\_SKALAR  
**Matrix:** Water  
**Project:** Quarterly Sampling (February 2024)

**WorkOrder:** 2402A43  
**BatchID:** 288906  
**Extraction Method:** SM4500-NH3 BG  
**Analytical Method:** SM4500-NH3 BG  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-288906

### 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	RPD Limit
Ammonia, total as N	4.0	4.0	4	99	101	90-110	1.76	10



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/16/2024  
**Date Analyzed:** 02/21/2024  
**Instrument:** WetChem  
**Matrix:** Water  
**Project:** Quarterly Sampling (February 2024)

**WorkOrder:** 2402A43  
**BatchID:** 288039  
**Extraction Method:** SM5210B  
**Analytical Method:** SM5210 B  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-288039

### 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	180	198	105	90	80-120	15.2	16



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/16/2024  
**Date Analyzed:** 02/16/2024  
**Instrument:** WC\_Skalar3  
**Matrix:** Water  
**Project:** Quarterly Sampling (February 2024)

**WorkOrder:** 2402A43  
**BatchID:** 288056  
**Extraction Method:** SM4500-CN<sup>-</sup> E  
**Analytical Method:** SM4500-CN<sup>-</sup> CE  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-288056  
2402A43-002DMS/MSD

### QC Summary Report for SM4500-CN<sup>-</sup> 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	RPD Limit
Total Cyanide	51	51	50	101	102	90-110	0.414	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Total Cyanide	1	65	66	50	15	100	101	80-120	0.381	20



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/26/2024  
**Date Analyzed:** 02/26/2024  
**Instrument:** SPECTROPHOTOMETER2  
**Matrix:** Water  
**Project:** Quarterly Sampling (February 2024)

**WorkOrder:** 2402A43  
**BatchID:** 288560  
**Extraction Method:** SM5220 D  
**Analytical Method:** SM5220 D  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-288560

### 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	100	96	100	100	96	90-110	4.08	20





## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/15/2024  
**Date Analyzed:** 02/15/2024  
**Instrument:** AA1  
**Matrix:** Water  
**Project:** Quarterly Sampling (February 2024)

**WorkOrder:** 2402A43  
**BatchID:** 287809  
**Extraction Method:** E245.2  
**Analytical Method:** E245.2  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-287809

### QC Summary Report for Mercury

Analyte	MB Result	MDL	RL			
Mercury	ND	0.12	0.20	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Mercury	1.9	1.8	2	96	90	85-115	6.18	20



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/16/2024  
**Date Analyzed:** 02/20/2024  
**Instrument:** ICP-MS4  
**Matrix:** Water  
**Project:** Quarterly Sampling (February 2024)

**WorkOrder:** 2402A43  
**BatchID:** 288009  
**Extraction Method:** E200.8  
**Analytical Method:** E200.8  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-288009

### 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	0.78	2.0	-	-	-
Copper	ND	0.63	1.5	-	-	-
Iron	ND	22	50	-	-	-
Lead	ND	0.19	0.50	-	-	-
Molybdenum	ND	0.19	1.0	-	-	-
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	550	500	109	70-130
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Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	53	53	50	105	105	85-115	0.0779	20
Cadmium	53	52	50	105	104	85-115	0.930	20
Chromium	53	53	50	107	106	85-115	0.811	20
Copper	54	54	50	107	107	85-115	0.00931	20
Iron	5300	5300	5000	105	106	85-115	0.478	20
Lead	54	54	50	107	107	85-115	0.0373	20
Molybdenum	50	50	50	101	100	85-115	0.852	20
Nickel	53	52	50	106	105	85-115	1.15	20
Selenium	54	54	50	108	109	85-115	1.14	20
Silver	52	52	50	104	103	85-115	1.09	20
Zinc	540	530	500	107	106	85-115	1.37	20

#### Surrogate Recovery

Terbium	560	560	500	112	111	70-130	0.712	20
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## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/26/2024  
**Date Analyzed:** 02/26/2024  
**Instrument:** WC\_SKALAR  
**Matrix:** Water  
**Project:** Quarterly Sampling (February 2024)

**WorkOrder:** 2402A43  
**BatchID:** 288538  
**Extraction Method:** E420.4  
**Analytical Method:** E420.4  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-288538

### 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	41	40	40	101	100	80-120	1.62	20



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/20/2024  
**Date Analyzed:** 02/21/2024  
**Instrument:** WetChem  
**Matrix:** Water  
**Project:** Quarterly Sampling (February 2024)

**WorkOrder:** 2402A43  
**BatchID:** 288186  
**Extraction Method:** SM2540 C-  
**Analytical Method:** SM2540 C  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-288186

### 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	902	930	1000	90	93	80-120	3.06	10



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/21/2024  
**Date Analyzed:** 02/22/2024  
**Instrument:** WetChem  
**Matrix:** Water  
**Project:** Quarterly Sampling (February 2024)

**WorkOrder:** 2402A43  
**BatchID:** 288324  
**Extraction Method:** SM2540 D  
**Analytical Method:** SM2540 D  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-288324

### 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	83.0	91.0	100	83	91	80-120	9.20	10



## CHAIN-OF-CUSTODY RECORD

WorkOrder: 2402A43

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; APSD  
PO:  
Project: Quarterly Sampling (February 2024)

## Bill to:

Angel Espiritu  
PG&E Gateway Generating Station  
3225 Wilbur Avenue  
Antioch, CA 94509Requested TATs: 5 days;  
7 days;

Date Received: 02/15/2024

Date Logged: 02/15/2024

Lab ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2402A43-001	E-001	Water	2/14/2024 09:45	<input type="checkbox"/>	A	B								A		
2402A43-002	E-001 Grab	Water	2/15/2024 10:40	<input type="checkbox"/>	A	B	C		D				C	A		
2402A43-003	E-001 Comp	Water	2/15/2024 10:25	<input type="checkbox"/>				A		B	F	E		A	C	D

## Test Legend:

1	1664A_SG_W	2	1664A_W	3	AMMONIA-SM4500BG_W	4	BOD_W
5	CN_SM4500CE_W	6	COD_W	7	HG_W	8	METALSMS_TTLC_W
9	PHENOLICS_W	10	PRDisposal Fee	11	TDS_W	12	TSS_W

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:** Quarterly Sampling (February 2024)

**Work Order:** 2402A43

**Client Contact:** Angel Espiritu

**QC Level:** LEVEL 2

**Contact's Email:** abe4@pge.com

**Comments**

**Date Logged:** 2/15/2024

☐ 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	E1664A (SGT- HEM; Non-polar Material)	2	1LA w/ HCl + 1-aVOA w/HCL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2/14/2024 9:45	5 days	2/25/2024	Present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
001B	E-001	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"/>	2/14/2024 9:45	5 days	2/25/2024	Present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
002A	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"/>	2/15/2024 10:40	5 days	2/25/2024	Present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
002B	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"/>	2/15/2024 10:40	5 days	2/25/2024	Present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
002C	E-001 Grab	Water	E420.4 (Phenolics)	1	500mL aG w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2/15/2024 10:40	5 days	2/23/2024	Present	<input type="checkbox"/>	<input type="checkbox"/>
			SM4500-NH3 BG (Ammonia Nitrogen)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		5 days	2/23/2024	Present	<input type="checkbox"/>	<input type="checkbox"/>
002D	E-001 Grab	Water	SM4500-CN <sup>-</sup> CE (Cyanide, Total)	1	250mL aHDPE w/ NaOH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2/15/2024 10:40	5 days	2/23/2024	Present	<input type="checkbox"/>	<input type="checkbox"/>
003A	E-001 Comp	Water	SM5210B (BOD)	1	500mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2/15/2024 10:25	7 days	2/27/2024	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"/>	2/15/2024 10:25	5 days	2/23/2024	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).

- 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 (February 2024)

**Work Order:** 2402A43

**Client Contact:** Angel Espiritu

**QC Level:** LEVEL 2

**Contact's Email:** abe4@pge.com

**Comments**

**Date Logged:** 2/15/2024

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQulS ☒ 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 Comp	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2/15/2024 10:25	5 days	2/23/2024	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"/>	2/15/2024 10:25	5 days	2/23/2024	Present	<input type="checkbox"/>	<input type="checkbox"/>
003E	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"/>	2/15/2024 10:25	5 days	2/23/2024	Present	<input type="checkbox"/>	<input type="checkbox"/>
003F	E-001 Comp	Water	E245.2 (Mercury)	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2/15/2024 10:25	5 days	2/23/2024	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).

- 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.

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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](http://www.mccampbell.com) Email: [main@mccampbell.com](mailto: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](mailto:abe4@pge.com), [TIWY@pge.com](mailto:TIWY@pge.com), [MSFG@pge.com](mailto:MSFG@pge.com), [APSD@pge.com](mailto:APSD@pge.com)

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

Project Name: Quarterly Sampling (February 2024)

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 preservi ABCE	Metals ( by 200.8 Selenium	Oil/Grease and with	Total Phos	Ammonia	Mercury	Metals (2/copper, le Molybden	BOD (SM	COD (SM	TDS (SM	TSS (SM
			Date	Time			Waste Water	Sewer Water	None	ICE	H <sub>2</sub> SO <sub>4</sub>	NaOH	HCL	HNO <sub>3</sub>	Other											
E-001		G	02/14/24	09:45	4	1L Amb, 40-ml VOA	X			X			X				X									
E-001		G	02/15/24	10:40	4	1L Amb, 40-ml VOA	X			X			X				X									
E-001		G	02/15/24	10:40	1	500ml Amb	X			X	X							X	X							
E-001		G	02/15/24	10:40	1	250-ml Poly	X			X		X			X											
E-001		C	02/15/24	10:25	1	500-ml Poly	X		X	X												X				
E-001		C	02/15/24	10:25	2	43-ml VOA	X			X	X												X			
E-001		C	02/15/24	10:25	1	500-ml poly	X		X	X														X		
E-001		C	02/15/24	10:25	1	1L poly	X		X	X															X	
E-001		C	02/15/24	10:25	1	250-ml Poly	X			X				X					X							
E-001		C	02/15/24	10:25	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/IF  
GOOD CONDITION 0.3°C  
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 (February 2024)  
  
WorkOrder No: 2402A43 Matrix: Water  
Carrier: Client Drop-In

Date and Time Received: 2/15/2024 13:38  
Date Logged: 2/15/2024  
Received by: Valerie Alfaro  
Logged by: Valerie Alfaro

### 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: 0.3°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:** 2402A64

**Report Created for:** PG&E Gateway Generating Station

3225 Wilbur Avenue  
Antioch, CA 94509

**Project Contact:** Sanjiv Gill

**Project P.O.:**

**Project:** pH Sampling (February 2024)

**Project Received:** 02/15/2024

Analytical Report reviewed & approved for release on 02/23/2024 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:** 2402A64

**Project:** pH Sampling (February 2024)

### 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 <sup>1</sup>
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 <sup>2</sup>
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

<sup>1</sup> 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.

<sup>2</sup> 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:** 2402A64

**Project:** pH Sampling (February 2024)

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 Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 02/15/2024 13:38  
**Date Prepared:** 02/14/2024  
**Project:** pH Sampling (February 2024)

**WorkOrder:** 2402A64  
**Extraction Method:** SM4500H+B  
**Analytical Method:** SM4500H+B  
**Unit:** pH units

### pH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2402A64-001A	Water	02/14/2024 09:46	WetChem	288391

Analytes	Result	Accuracy	DE	Date Analyzed
pH	8.71	±0.05	1	02/14/2024 09:47

Analyst(s): ISH

# 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: 2402A64

ClientCode: PGEA

☐ EQulS

☐ 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 (February 2024)

## Bill to:

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

Requested TAT: 5 days;

Date Received: 02/15/2024

Date Logged: 02/15/2024

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2402A64-001	E-001	Water	2/14/2024 09:46	<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.





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:** pH Sampling (February 2024)

**Work Order:** 2402A64

**Client Contact:** Sanjiv Gill

**QC Level:** LEVEL 2

**Contact's Email:** sanjivgill@comcast.net

**Comments**

**Date Logged:** 2/15/2024

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQulS ☒ 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"/>	2/14/2024 9:46	5 days	2/23/2024		<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](http://www.mccampbell.com) Email: [main@mccampbell.com](mailto: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](mailto:sanjivgill@comcast.net)**

**Tel: (408) 666-4494 (Cell)**

**Fax:** (      )

**Project Name:** pH Sampling (February 2024)

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

**Sampler Signature:** Muskan Environmental Sampling

[illegible]

Relinquished By:

**Date:**

**Time:**

**Received By:**

**Relinquished By:**

**Date:**

**Time:**

**Received By:**

**Relinquished By:**

**Date:**

**Time:**

**Received By:**

**ICE/®**

**GOOD CONDITION**

**HEAD SPACE ABSENT**

## DECHLORINATED IN LAB

## APPROPRIATE CONTAINERS

**PRESERVED IN LAB**

**COMMENTS:**

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH < 2	

Grab Time: 09:46  
Analysis Time: 09:47  
Temperature: 20.5°C  
pH: 8.71

## Logbook for Field pH Samples

[illegible]



**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](mailto:main@mcccampbell.com)

## Client Supplied pH Data

Client Name: PG&E Gateway Generating Station  
Project: pH Sampling (February 2024)

WorkOrder No: 2402A64

SampID	ClientSampID	pH
2402A64-001A	E-001	8.71 @ 20.5 °C [analyzed: 2/14/2024 9:46 AM]



## Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station  
Project: pH Sampling (February 2024)  
  
WorkOrder No: 2402A64 Matrix: Water  
Carrier: Client Drop-In

Date and Time Received: 2/15/2024 13:38  
Date Logged: 2/15/2024  
Received by: Valerie Alfaro  
Logged by: Valerie Alfaro

### 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: .



## CALIFORNIA LABORATORY SERVICES

*Committed. Responsive. Flexible.*

March 06, 2024

CLS Work Order #: 24B1000

COC #:

Angela Rydelius  
McC Campbell Analytical Inc.  
1534 Willow Pass Road  
Pittsburg, CA 94565-1701

**Project Name: Quarterly Sampling (February 2024)**

Enclosed are the results of analyses for samples received by the laboratory on 02/16/24 14:30. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

Daniel Johnson  
Technical Director

CA SWRCB ELAP Accreditation/Registration number 1233



## CALIFORNIA LABORATORY SERVICES

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03/06/24 10:59

McC Campbell Analytical Inc.  
1534 Willow Pass Road  
Pittsburg, CA 94565-1701

Project: Quarterly Sampling (February 2024)  
Project Number: 2402A43  
Project Manager: Angela Rydelius

CLS Work Order #: 24B1000

COC #:

### Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>E-001 (24B1000-01) Water</b> Sampled: 02/14/24 09:45 Received: 02/16/24 14:30										
Hexane Extractable Material (HEM, Oil & Grease)	ND	0.66	1.0	mg/L	1	2401417	02/21/24	02/22/24	EPA 1664B	
Silica Gel Treated HEM (SGT-HEM)	ND	1.0	5.0	"	"	2401455	02/21/24	02/22/24	EPA 1664B w/SGT	
<b>E-001 Grab (24B1000-02) Water</b> Sampled: 02/15/24 10:40 Received: 02/16/24 14:30										
Hexane Extractable Material (HEM, Oil & Grease)	ND	0.66	1.0	mg/L	1	2401417	02/21/24	02/22/24	EPA 1664B	
Silica Gel Treated HEM (SGT-HEM)	ND	1.0	5.0	"	"	2401455	02/21/24	02/22/24	EPA 1664B w/SGT	



# CALIFORNIA LABORATORY SERVICES

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03/06/24 10:59

McC Campbell Analytical Inc.  
1534 Willow Pass Road  
Pittsburg, CA 94565-1701

Project: Quarterly Sampling (February 2024)  
Project Number: 2402A43  
Project Manager: Angela Rydelius

CLS Work Order #: 24B1000  
COC #:

## Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

### Batch 2401417 - Solvent Extract

#### Blank (2401417-BLK1)

Prepared: 02/21/24 Analyzed: 02/22/24

Hexane Extractable Material (HEM, Oil & Grease) ND 0.66 1.0 mg/L

#### LCS (2401417-BS1)

Prepared: 02/21/24 Analyzed: 02/22/24

Hexane Extractable Material (HEM, Oil & Grease) 37.7 0.66 1.0 mg/L 40.0 94 78-114

#### LCS Dup (2401417-BSD1)

Prepared: 02/21/24 Analyzed: 02/22/24

Hexane Extractable Material (HEM, Oil & Grease) 38.9 0.66 1.0 mg/L 40.0 97 78-114 3 18

### Batch 2401455 - Solvent Extract

#### Blank (2401455-BLK1)

Prepared: 02/21/24 Analyzed: 02/22/24

Silica Gel Treated HEM (SGT-HEM) ND 1.0 5.0 mg/L

#### LCS (2401455-BS1)

Prepared: 02/21/24 Analyzed: 02/22/24

Silica Gel Treated HEM (SGT-HEM) 24.7 1.0 5.0 mg/L 20.0 124 64-132

#### LCS Dup (2401455-BSD1)

Prepared: 02/21/24 Analyzed: 02/22/24

Silica Gel Treated HEM (SGT-HEM) 23.0 1.0 5.0 mg/L 20.0 115 64-132 7 34





## CALIFORNIA LABORATORY SERVICES

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03/06/24 10:59

McC Campbell Analytical Inc.  
1534 Willow Pass Road  
Pittsburg, CA 94565-1701

Project: Quarterly Sampling (February 2024)  
Project Number: 2402A43  
Project Manager: Angela Rydelius

**CLS Work Order #: 24B1000**

COC #:

### Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
*	The laboratory does not hold CA-ELAP accreditation for this analyte or method. Accreditation may not be available from CA-ELAP for this analyte or method.

**This is a “MDL Report”, thus if the report denotes an “ND” for a particular analyte, it should be noted that the analyte was not detected at or above the MDL.**

# McC Campbell Analytical, Inc.

1534 Willow Pass Rd  
Pittsburg, CA 94565-1701  
Phone: (925) 252-9262  
Fax: (925) 252-9269

## SUB CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2402A43

ClientCode: PGEA

EDF: NO

### Subcontractor:

CLS LABS  
3249 Fitzgerald Road

Rancho Cordova, CA 95742

TEL: (916) 638-7301 FAX: (916) 638-4510

☒ J-flag

QC Level: LEVEL 2

Project Name: Quarterly Sampling (February 2024)

Project Number: 2402A43

MAI Lab ID	ClientSampleID	Source Name	PS Code	Matrix	Collection Date	TAT	Requested Tests (see Legend below)					
							1	2	3	4	5	6
2402A43-001A	E-001			Water	2/14/2024 9:45	STD	1					
2402A43-001B	E-001			Water	2/14/2024 9:45	STD		1				
2402A43-002A	E-001 Grab			Water	2/15/2024 10:40	STD	1					
2402A43-002B	E-001 Grab			Water	2/15/2024 10:40	STD		1				

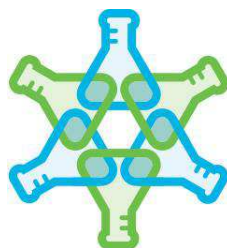
### Test Legend:

1	E1664A (SGT- HEM; Non-polar Material)	2	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	3	
4		5		6	

Comments: **PLEASE USE 'CLIENT ID' AS THE SAMPLE ID AND EMAIL ASAP!**  
**STANDARD TAT**

Please email results to [subdata@mcccampbell.com](mailto:subdata@mcccampbell.com) upon completion.

Relinquished by:	<i>Nahin</i>	Date/Time	2/16/24	Received by:	<i>PTD</i>	Date/Time	2/16/24 12:30
Relinquished by:	<i>PTD</i>	Date/Time	2/16/24 14:30	Received by:	<i>PTD</i>	Date/Time	2/16/24 14:30
				3.14/3.2			



**CALIFORNIA  
LABORATORY  
SERVICES**

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## Revision History

Client: McCampbell Analytical  
Work Order: 24B1000  
Project Name: Quarterly Sampling (February 2024)

Date: 3/6/24

Revision: 1

Reason: Corrected sample date

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



# McC Campbell Analytical, Inc.

"When Quality Counts"

## Analytical Report

**WorkOrder:** 2402A50

**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 (February 2024)

**Project Received:** 02/15/2024

Analytical Report reviewed & approved for release on 02/23/2024 by:

Yen Cao  
Project Manager

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## Glossary of Terms & Qualifier Definitions

**Client:** PG&E Gateway Generating Station

**WorkOrder:** 2402A50

**Project:** Semi-Annual Sampling (February 2024)

### 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 <sup>1</sup>
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 <sup>2</sup>
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

<sup>1</sup> 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.

<sup>2</sup> 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:** 2402A50

**Project:** Semi-Annual Sampling (February 2024)

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.
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.
h1	Florisil (EPA 3620) cleanup.

### 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:** 02/15/2024 13:38  
**Date Prepared:** 02/16/2024  
**Project:** Semi-Annual Sampling (February 2024)

**WorkOrder:** 2402A50  
**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	2402A50-001D	Water	02/15/2024 10:40	GC40 02212417.d	288088

Analytes	Result	MDL	RL	DF	Date Analyzed
Aldrin	ND	0.0028	0.010	10	02/21/2024 13:12
a-BHC	ND	0.0031	0.010	10	02/21/2024 13:12
b-BHC	ND	0.0069	0.010	10	02/21/2024 13:12
d-BHC	ND	0.0014	0.010	10	02/21/2024 13:12
g-BHC	ND	0.0045	0.010	10	02/21/2024 13:12
Chlordane (Technical)	ND	0.023	0.20	10	02/21/2024 13:12
p,p-DDD	ND	0.0011	0.010	10	02/21/2024 13:12
p,p-DDE	ND	0.0018	0.010	10	02/21/2024 13:12
p,p-DDT	ND	0.0017	0.010	10	02/21/2024 13:12
Dieldrin	ND	0.0014	0.010	10	02/21/2024 13:12
Endosulfan I	ND	0.0011	0.010	10	02/21/2024 13:12
Endosulfan II	ND	0.0046	0.010	10	02/21/2024 13:12
Endosulfan sulfate	ND	0.0033	0.020	10	02/21/2024 13:12
Endrin	ND	0.0018	0.010	10	02/21/2024 13:12
Endrin aldehyde	ND	0.0053	0.010	10	02/21/2024 13:12
Heptachlor	ND	0.0041	0.010	10	02/21/2024 13:12
Heptachlor epoxide	ND	0.0025	0.010	10	02/21/2024 13:12
Toxaphene	ND	0.020	0.20	10	02/21/2024 13:12
Aroclor1016	ND	0.019	0.20	10	02/21/2024 13:12
Aroclor1221	ND	0.024	0.20	10	02/21/2024 13:12
Aroclor1232	ND	0.038	0.20	10	02/21/2024 13:12
Aroclor1242	ND	0.028	0.20	10	02/21/2024 13:12
Aroclor1248	ND	0.018	0.20	10	02/21/2024 13:12
Aroclor1254	ND	0.015	0.20	10	02/21/2024 13:12
Aroclor1260	ND	0.028	0.20	10	02/21/2024 13:12

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	111	60-130	02/21/2024 13:12
Analyst(s): CN		Analytical Comments: a2,h1	





## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 02/15/2024 13:38  
**Date Prepared:** 02/16/2024  
**Project:** Semi-Annual Sampling (February 2024)

**WorkOrder:** 2402A50  
**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	2402A50-001B	Water	02/15/2024 10:40	GC10 02162407.D	288149

Analytes	Result	MDL	RL	DF	Date Analyzed
Acrolein (Propenal)	ND	3.7	5.0	1	02/16/2024 13:25
Acrylonitrile	ND	0.27	2.0	1	02/16/2024 13:25
2-Chloroethyl Vinyl Ether	ND	0.52	1.0	1	02/16/2024 13:25

Surrogates	REC (%)	Limits
Dibromofluoromethane	101	70-130

**Analyst(s):** PRE



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 02/15/2024 13:38  
**Date Prepared:** 02/16/2024  
**Project:** Semi-Annual Sampling (February 2024)

**WorkOrder:** 2402A50  
**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	2402A50-001A	Water	02/15/2024 10:40			GC16 02162416.D	288093
<u>Analytes</u>	<u>Result</u>		<u>MDL</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>	
Benzene	ND		0.034	0.20	1	02/16/2024 17:15	
Bromodichloromethane	1.9		0.022	0.050	1	02/16/2024 17:15	
Bromoform	0.52		0.10	0.50	1	02/16/2024 17:15	
Bromomethane	ND		0.26	0.50	1	02/16/2024 17:15	
Carbon tetrachloride	ND		0.033	0.050	1	02/16/2024 17:15	
Chlorobenzene	ND		0.092	0.50	1	02/16/2024 17:15	
Chloroethane	ND		0.23	0.50	1	02/16/2024 17:15	
Chloroform	1.1		0.015	0.10	1	02/16/2024 17:15	
Chloromethane	ND		0.18	0.50	1	02/16/2024 17:15	
Dibromochloromethane	1.5		0.069	0.15	1	02/16/2024 17:15	
1,2-Dichlorobenzene	ND		0.11	0.50	1	02/16/2024 17:15	
1,3-Dichlorobenzene	ND		0.12	0.50	1	02/16/2024 17:15	
1,4-Dichlorobenzene	ND		0.11	0.50	1	02/16/2024 17:15	
1,1-Dichloroethane	ND		0.14	0.50	1	02/16/2024 17:15	
1,2-Dichloroethane (1,2-DCA)	ND		0.011	0.020	1	02/16/2024 17:15	
1,1-Dichloroethene	ND		0.0036	0.010	1	02/16/2024 17:15	
trans-1,2-Dichloroethene	ND		0.12	0.50	1	02/16/2024 17:15	
1,2-Dichloropropane	ND		0.029	0.20	1	02/16/2024 17:15	
cis-1,3-Dichloropropene	ND		0.13	0.50	1	02/16/2024 17:15	
trans-1,3-Dichloropropene	ND		0.20	0.50	1	02/16/2024 17:15	
Ethylbenzene	ND		0.14	0.50	1	02/16/2024 17:15	
Methylene chloride	ND		0.75	2.0	1	02/16/2024 17:15	
1,1,2,2-Tetrachloroethane	ND		0.018	0.020	1	02/16/2024 17:15	
Tetrachloroethene	ND		0.028	0.20	1	02/16/2024 17:15	
Toluene	ND		0.096	0.50	1	02/16/2024 17:15	
1,1,1-Trichloroethane	ND		0.14	0.50	1	02/16/2024 17:15	
1,1,2-Trichloroethane	ND		0.026	0.20	1	02/16/2024 17:15	
Trichloroethene	ND		0.030	0.50	1	02/16/2024 17:15	
Trichlorofluoromethane	ND		0.13	0.50	1	02/16/2024 17:15	
Vinyl chloride	ND		0.0027	0.0050	1	02/16/2024 17:15	

(Cont.)



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 02/15/2024 13:38  
**Date Prepared:** 02/16/2024  
**Project:** Semi-Annual Sampling (February 2024)

**WorkOrder:** 2402A50  
**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	2402A50-001A	Water	02/15/2024 10:40	GC16 02162416.D	288093

Analytes	Result	MDL	RL	DF	Date Analyzed
Surrogates	REC (%)		Limits		
Dibromofluoromethane	102		70-130		02/16/2024 17:15
Toluene-d8	101		70-130		02/16/2024 17:15
4-BFB	83		70-130		02/16/2024 17:15

Analyst(s): TW



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 02/15/2024 13:38  
**Date Prepared:** 02/16/2024  
**Project:** Semi-Annual Sampling (February 2024)

**WorkOrder:** 2402A50  
**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	2402A50-001C	Water	02/15/2024 10:40			GC47 02202416.D	288041
Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed	
Acenaphthene	0.021	J	0.014	0.024	5	02/20/2024 16:30	
Acenaphthylene	ND		0.0085	0.024	5	02/20/2024 16:30	
Anthracene	ND		0.0095	0.024	5	02/20/2024 16:30	
Benzidine	ND		13	24	5	02/20/2024 16:30	
Benzo (a) anthracene	ND		0.095	0.24	5	02/20/2024 16:30	
Benzo (a) pyrene	ND		0.024	0.024	5	02/20/2024 16:30	
Benzo (b) fluoranthene	ND		0.025	0.047	5	02/20/2024 16:30	
Benzo (g,h,i) perylene	ND		0.019	0.047	5	02/20/2024 16:30	
Benzo (k) fluoranthene	ND		0.024	0.047	5	02/20/2024 16:30	
Bis (2-chloroethoxy) Methane	ND		2.4	4.7	5	02/20/2024 16:30	
Bis (2-chloroethyl) Ether	ND		0.024	0.024	5	02/20/2024 16:30	
Bis (2-chloroisopropyl) Ether	ND		0.023	0.047	5	02/20/2024 16:30	
Bis (2-ethylhexyl) Phthalate	0.63	J	0.62	1.2	5	02/20/2024 16:30	
4-Bromophenyl Phenyl Ether	ND		1.4	4.7	5	02/20/2024 16:30	
Butylbenzyl Phthalate	ND		0.38	1.2	5	02/20/2024 16:30	
4-Chloro-3-methylphenol	ND		2.8	4.7	5	02/20/2024 16:30	
2-Chloronaphthalene	ND		2.7	4.7	5	02/20/2024 16:30	
2-Chlorophenol	ND		0.17	0.24	5	02/20/2024 16:30	
4-Chlorophenyl Phenyl Ether	ND		2.3	4.7	5	02/20/2024 16:30	
Chrysene	0.013		0.013	0.024	5	02/20/2024 16:30	
Dibenzo (a,h) anthracene	ND		0.025	0.047	5	02/20/2024 16:30	
Di-n-butyl Phthalate	ND		0.37	1.2	5	02/20/2024 16:30	
1,2-Dichlorobenzene	ND		2.5	4.7	5	02/20/2024 16:30	
1,3-Dichlorobenzene	ND		2.8	4.7	5	02/20/2024 16:30	
1,4-Dichlorobenzene	ND		2.1	4.7	5	02/20/2024 16:30	
3,3-Dichlorobenzidine	ND		0.029	0.047	5	02/20/2024 16:30	
2,4-Dichlorophenol	0.049		0.027	0.047	5	02/20/2024 16:30	
Diethyl Phthalate	ND		0.10	0.24	5	02/20/2024 16:30	
2,4-Dimethylphenol	ND		2.5	4.7	5	02/20/2024 16:30	
Dimethyl Phthalate	ND		0.028	0.047	5	02/20/2024 16:30	
4,6-Dinitro-2-methylphenol	ND		18	24	5	02/20/2024 16:30	
2,4-Dinitrophenol	ND		3.2	4.7	5	02/20/2024 16:30	
2,4-Dinitrotoluene	ND		0.13	0.24	5	02/20/2024 16:30	
2,6-Dinitrotoluene	ND		0.14	0.24	5	02/20/2024 16:30	
Di-n-octyl Phthalate	ND		5.7	12	5	02/20/2024 16:30	
1,2-Diphenylhydrazine	ND		2.0	4.7	5	02/20/2024 16:30	

(Cont.)



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 02/15/2024 13:38  
**Date Prepared:** 02/16/2024  
**Project:** Semi-Annual Sampling (February 2024)

**WorkOrder:** 2402A50  
**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	2402A50-001C	Water	02/15/2024 10:40	GC47 02202416.D	288041

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Fluoranthene	ND		0.018	0.047	5	02/20/2024 16:30
Fluorene	ND		0.0085	0.047	5	02/20/2024 16:30
Hexachlorobenzene	ND		0.0081	0.024	5	02/20/2024 16:30
Hexachlorobutadiene	ND		0.0052	0.024	5	02/20/2024 16:30
Hexachlorocyclopentadiene	ND		11	24	5	02/20/2024 16:30
Hexachloroethane	ND		0.016	0.047	5	02/20/2024 16:30
Indeno (1,2,3-cd) pyrene	ND		0.033	0.047	5	02/20/2024 16:30
Isophorone	ND		2.1	4.7	5	02/20/2024 16:30
Naphthalene	ND		0.030	0.047	5	02/20/2024 16:30
Nitrobenzene	ND		2.9	4.7	5	02/20/2024 16:30
2-Nitrophenol	ND		14	24	5	02/20/2024 16:30
4-Nitrophenol	ND		17	24	5	02/20/2024 16:30
N-Nitrosodimethylamine	ND		17	24	5	02/20/2024 16:30
N-Nitrosodiphenylamine	ND		1.7	4.7	5	02/20/2024 16:30
N-Nitrosodi-n-propylamine	ND		2.8	4.7	5	02/20/2024 16:30
Pentachlorophenol	ND		0.76	1.2	5	02/20/2024 16:30
Phenanthrene	0.039		0.017	0.024	5	02/20/2024 16:30
Phenol	0.12	J	0.090	0.19	5	02/20/2024 16:30
Pyrene	0.018	J	0.013	0.024	5	02/20/2024 16:30
1,2,4-Trichlorobenzene	ND		2.5	4.7	5	02/20/2024 16:30
2,4,6-Trichlorophenol	ND		0.025	0.047	5	02/20/2024 16:30

Surrogates	REC (%)	Qualifiers	Limits	
2-Fluorophenol	16	S	20-103	02/20/2024 16:30
Phenol-d5	12	S	20-120	02/20/2024 16:30
Nitrobenzene-d5	22	S	61-130	02/20/2024 16:30
2-Fluorobiphenyl	26	S	63-115	02/20/2024 16:30
2,4,6-Tribromophenol	64		48-149	02/20/2024 16:30
4-Terphenyl-d14	52		32-113	02/20/2024 16:30

Analyst(s): MV

Analytical Comments: c1



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/16/2024  
**Date Analyzed:** 02/20/2024  
**Instrument:** GC40  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (February 2024)

**WorkOrder:** 2402A50  
**BatchID:** 288088  
**Extraction Method:** E608.3/SW3620B  
**Analytical Method:** E608.3  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-288088

### 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	-	-	-
<b>Surrogate Recovery</b>						
Decachlorobiphenyl	0.041			0.05	82	60-130

(Cont.)

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## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/16/2024  
**Date Analyzed:** 02/20/2024  
**Instrument:** GC40  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (February 2024)

**WorkOrder:** 2402A50  
**BatchID:** 288088  
**Extraction Method:** E608.3/SW3620B  
**Analytical Method:** E608.3  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-288088

### 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	0.048	0.045	0.050	95	89	54-130	6.46	20
a-BHC	0.045	0.042	0.050	89	84	70-130	5.62	20
b-BHC	0.043	0.041	0.050	87	81	70-130	6.71	20
d-BHC	0.045	0.042	0.050	89	83	70-130	7.04	20
g-BHC	0.036	0.034	0.050	73	69	60-130	5.37	20
a-Chlordane	0.045	0.042	0.050	90	84	55-130	6.92	20
g-Chlordane	0.052	0.048	0.050	104	97	55-130	7.07	20
p,p-DDD	0.044	0.041	0.050	89	83	70-130	7.04	20
p,p-DDE	0.043	0.040	0.050	85	79	70-130	7.12	20
p,p-DDT	0.048	0.043	0.050	96	86	70-130	10.4	20
Dieldrin	0.049	0.046	0.050	99	93	70-130	6.41	20
Endosulfan I	0.050	0.047	0.050	100	94	70-130	6.47	20
Endosulfan II	0.048	0.045	0.050	96	89	70-130	6.99	20
Endosulfan sulfate	0.045	0.042	0.050	90	83	70-130	7.58	20
Endrin	0.059	0.055	0.050	118	110	70-130	7.18	20
Endrin aldehyde	0.034	0.032	0.050	69	63	60-130	8.02	20
Endrin ketone	0.039	0.036	0.050	78	73	60-130	6.73	20
Heptachlor	0.049	0.046	0.050	98	92	43-130	6.05	20
Heptachlor epoxide	0.046	0.043	0.050	91	86	70-130	6.63	20
Methoxychlor	0.051	0.047	0.050	102	93	70-130	8.67	20
Aroclor1016	0.14	0.14	0.15	93	95	70-130	2.55	20
Aroclor1260	0.14	0.14	0.15	92	94	70-130	2.56	20
<b>Surrogate Recovery</b>								
Decachlorobiphenyl	0.052	0.049	0.050	104	97	60-130	7.06	20



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/16/2024  
**Date Analyzed:** 02/16/2024  
**Instrument:** GC10  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (February 2024)

**WorkOrder:** 2402A50  
**BatchID:** 288149  
**Extraction Method:** E624.1  
**Analytical Method:** E624.1  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-288149

### 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	-	-	-
<b>Surrogate Recovery</b>						
Dibromofluoromethane	25			25	102	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acrolein (Propenal)	18	18	20	90	91	71-140	1.71	20
Acrylonitrile	18	18	20	88	92	67-145	3.67	20
2-Chloroethyl Vinyl Ether	18	19	20	92	93	70-124	0.834	20
<b>Surrogate Recovery</b>								
Dibromofluoromethane	25	25	25	101	100	70-130	0.359	20





## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/16/2024  
**Date Analyzed:** 02/16/2024  
**Instrument:** GC16  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (February 2024)

**WorkOrder:** 2402A50  
**BatchID:** 288093  
**Extraction Method:** E624.1  
**Analytical Method:** E624.1  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-288093

### 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	0.050	-	-	-
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-Dichloroethene	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	-	-	-
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	-	-	-
<b>Surrogate Recovery</b>						
Dibromofluoromethane	25			25	100	70-130
Toluene-d8	26			25	103	70-130
4-BFB	2.2			2.5	88	70-130

(Cont.)



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/16/2024  
**Date Analyzed:** 02/16/2024  
**Instrument:** GC16  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (February 2024)

**WorkOrder:** 2402A50  
**BatchID:** 288093  
**Extraction Method:** E624.1  
**Analytical Method:** E624.1  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-288093

### QC Summary Report for E624.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Benzene	3.4	3.3	4	85	82	65-130	4.19	20
Bromodichloromethane	3.6	3.5	4	89	87	60-130	2.20	20
Bromoform	3.2	3.2	4	81	79	70-130	2.53	20
Bromomethane	5.2	4.7	4	130	118	50-130	9.67	20
Carbon tetrachloride	3.9	3.8	4	99	95	70-130	3.64	20
Chlorobenzene	3.8	3.7	4	96	93	65-130	3.39	20
Chloroethane	4.5	4.5	4	114	112	60-140	1.24	20
Chloroform	3.7	3.6	4	94	91	70-130	3.40	20
Chloromethane	4.4	4.0	4	110	101	50-130	7.87	20
Dibromochloromethane	3.2	3.0	4	79	75	70-130	4.59	20
1,2-Dichlorobenzene	3.4	3.3	4	86	82	65-130	4.18	20
1,3-Dichlorobenzene	4.1	3.8	4	101	95	70-130	6.18	20
1,4-Dichlorobenzene	3.7	3.6	4	93	89	65-130	3.96	20
1,1-Dichloroethane	3.8	3.7	4	96	92	70-130	3.43	20
1,2-Dichloroethane (1,2-DCA)	3.3	3.2	4	82	79	70-130	2.91	20
1,1-Dichloroethene	4.9	3.7	4	123	93	60-130	28.2,F2	20
trans-1,2-Dichloroethene	4.1	3.8	4	101	94	70-130	7.61	20
1,2-Dichloropropane	3.6	3.5	4	89	86	60-130	2.93	20
cis-1,3-Dichloropropene	3.6	3.5	4	91	87	60-130	4.28	20
trans-1,3-Dichloropropene	3.6	3.5	4	91	88	60-130	2.81	20
Ethylbenzene	4.0	3.7	4	99	93	60-130	6.18	20
Methylene chloride	4.4	3.4	4	111	84	60-130	27.8,F2	20
1,1,2,2-Tetrachloroethane	3.3	3.3	4	82	82	60-130	0.121	20
Tetrachloroethene	4.0	3.8	4	100	94	70-130	6.26	20
Toluene	4.0	3.7	4	100	93	70-130	6.98	20
1,1,1-Trichloroethane	3.6	4.1	4	90	103	70-130	13.6	20
1,1,2-Trichloroethane	3.6	3.4	4	90	85	70-130	5.58	20
Trichloroethene	3.8	3.6	4	96	91	65-130	5.45	20
Trichlorofluoromethane	5.2	4.9	4	131,F2	123	60-130	6.11	20
Vinyl chloride	2.4	2.3	2	122	117	60-130	4.52	20
<b>Surrogate Recovery</b>								
Dibromofluoromethane	25	25	25	100	101	70-130	1.64	20
Toluene-d8	26	26	25	103	102	70-130	1.08	20
4-BFB	2.3	2.4	2.5	92	95	70-130	2.27	20



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/16/2024  
**Date Analyzed:** 02/16/2024  
**Instrument:** GC21  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (February 2024)

**WorkOrder:** 2402A50  
**BatchID:** 288041  
**Extraction Method:** E625.1  
**Analytical Method:** E625.1  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-288041

### 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	ND	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	-	-	-
2,6-Dichlorophenol	ND	0.034	0.050	-	-	-
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	-	-	-

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## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/16/2024  
**Date Analyzed:** 02/16/2024  
**Instrument:** GC21  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (February 2024)

**WorkOrder:** 2402A50  
**BatchID:** 288041  
**Extraction Method:** E625.1  
**Analytical Method:** E625.1  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-288041

### QC Summary Report for E625.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
2,4-Dinitrophenol	ND	0.68	1.0	-	-	-
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	-	-	-

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## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/16/2024  
**Date Analyzed:** 02/16/2024  
**Instrument:** GC21  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (February 2024)

**WorkOrder:** 2402A50  
**BatchID:** 288041  
**Extraction Method:** E625.1  
**Analytical Method:** E625.1  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-288041

### QC Summary Report for E625.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
<b>Surrogate Recovery</b>						
2-Fluorophenol	4.9			5	98	20-103
Phenol-d5	4.6			5	92	20-120
Nitrobenzene-d5	5.6			5	111	61-130
2-Fluorobiphenyl	4.4			5	88	63-115
2,4,6-Tribromophenol	6.5			5	129	48-149
4-Terphenyl-d14	4.1			5	82	32-113



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/16/2024  
**Date Analyzed:** 02/16/2024  
**Instrument:** GC21  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (February 2024)

**WorkOrder:** 2402A50  
**BatchID:** 288041  
**Extraction Method:** E625.1  
**Analytical Method:** E625.1  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-288041

### QC Summary Report for E625.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acenaphthene	0.21	0.22	0.25	86	87	60-132	1.91	25
Acenaphthylene	0.20	0.21	0.25	82	86	54-126	5.05	25
Anthracene	0.23	0.24	0.25	93	97	60-130	3.82	25
Benzidine	8.3	8.6	25	33	34	20-130	3.68	25
Benzo (a) anthracene	0.26	0.27	0.25	106	107	60-130	1.02	25
Benzo (a) pyrene	0.27	0.27	0.25	106	107	60-130	0.711	25
Benzo (b) fluoranthene	0.24	0.25	0.25	95	100	60-130	4.29	25
Benzo (g,h,i) perylene	0.26	0.25	0.25	102	98	50-130	3.93	25
Benzo (k) fluoranthene	0.29	0.29	0.25	116	116	60-130	0.0564	25
Benzyl Alcohol	20	22	25	81	87	60-130	6.54	25
Bis (2-chloroethoxy) methane	4.2	4.4	5	84	87	65-130	4.26	25
Bis (2-chloroethyl) ether	0.18	0.18	0.25	73	74	60-130	0.921	25
Bis (2-chloroisopropyl) ether	0.19	0.20	0.25	74	80	63-139	7.89	25
Bis (2-ethylhexyl) Adipate	4.7	4.9	5	94	98	60-130	4.23	25
Bis (2-ethylhexyl) Phthalate	0.24	0.24	0.25	98	97	60-130	0.875	25
4-Bromophenyl phenyl ether	4.6	4.8	5	92	96	65-120	3.35	25
Butylbenzyl Phthalate	0.28	0.29	0.25	112	116	60-140	3.41	25
4-Chloroaniline	0.19	0.20	0.25	76	81	60-130	6.66	25
4-Chloro-3-methylphenol	5.2	5.4	5	103	108	65-130	4.67	25
2-Chloronaphthalene	4.5	4.7	5	90	94	65-120	4.31	25
2-Chlorophenol	0.19	0.20	0.25	75	79	60-130	6.18	25
4-Chlorophenyl phenyl ether	4.5	4.6	5	90	93	65-130	2.95	25
Carbazole	4.8	5.0	5	96	100	70-130	3.81	25
Chrysene	0.26	0.27	0.25	105	107	70-130	1.84	25
Dibenzo (a,h) anthracene	0.25	0.24	0.25	99	95	50-130	4.34	25
n-Decane	3.7	3.8	5	74	76	30-130	2.53	25
Dibenzofuran	0.24	0.25	0.25	94	98	65-130	4.06	25
Di-n-butyl phthalate	0.26	0.26	0.25	103	103	60-130	0.165	25
1,2-Dichlorobenzene	4.2	4.2	5	85	84	60-130	0.332	25
1,3-Dichlorobenzene	3.9	4.0	5	79	79	60-130	0.745	25
1,4-Dichlorobenzene	4.2	4.2	5	83	83	60-130	0.00721	25
3,3-Dichlorobenzidine	0.29	0.29	0.25	115	117	60-130	1.32	25
2,4-Dichlorophenol	0.26	0.26	0.25	103	106	53-122	2.68	25
Diethyl phthalate	0.22	0.23	0.25	88	90	65-130	2.31	25
2,4-Dimethylphenol	5.3	5.2	5	105	103	60-130	1.78	25
Dimethyl phthalate	0.21	0.21	0.25	82	86	60-130	4.27	25
4,6-Dinitro-2-methylphenol	26	28	25	105	114	60-130	8.37	25
2,4-Dinitrophenol	3.8	4.0	5	75	79	50-130	5.31	25

(Cont.)



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/16/2024  
**Date Analyzed:** 02/16/2024  
**Instrument:** GC21  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (February 2024)

**WorkOrder:** 2402A50  
**BatchID:** 288041  
**Extraction Method:** E625.1  
**Analytical Method:** E625.1  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-288041

### 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	0.35	0.36	0.25	139,F5	145,F5	70-130	4.22	25
2,6-Dinitrotoluene	0.28	0.29	0.25	112	118	68-137	5.35	25
Di-n-octyl phthalate	5.2	5.5	5	104	111	70-130	6.86	25
1,2-Diphenylhydrazine	4.8	4.9	5	95	98	65-130	2.37	25
Fluoranthene	0.27	0.27	0.25	108	109	65-130	1.03	25
Fluorene	0.22	0.23	0.25	89	92	70-120	3.11	25
Hexachlorobenzene	0.22	0.23	0.25	89	92	60-130	2.86	25
Hexachlorobutadiene	0.19	0.19	0.25	77	76	68-130	0.964	25
Hexachlorocyclopentadiene	18	18	25	70	70	50-130	0.256	25
Hexachloroethane	0.19	0.20	0.25	76	79	55-120	2.84	25
Indeno (1,2,3-cd) pyrene	0.26	0.26	0.25	104	103	50-130	0.974	25
1-Methylnaphthalene	0.21	0.22	0.25	85	88	65-130	2.59	25
Isophorone	3.4	3.5	5	68	71	52-130	4.59	25
2-Methylnaphthalene	0.21	0.22	0.25	85	89	60-130	4.55	25
2-Methylphenol (o-cresol)	4.8	4.6	5	96	93	60-130	3.04	25
3 & 4-Methylphenol (m,p-Cresol)	4.9	5.1	5	98	101	60-130	3.34	25
Naphthalene	0.19	0.20	0.25	78	79	70-130	1.65	25
2-Nitroaniline	26	26	25	102	105	65-130	2.39	25
3-Nitroaniline	28	29	25	112	117	70-140	4.11	25
4-Nitroaniline	28	29	25	112	117	70-130	4.52	25
Nitrobenzene	5.2	5.3	5	104	107	60-130	2.56	25
2-Nitrophenol	26	27	25	104	109	70-130	4.00	25
4-Nitrophenol	30	30	25	120	122	30-130	1.78	25
N-Nitrosodimethylamine	19	19	25	77	78	30-130	0.799	25
N-Nitrosodiphenylamine	4.5	4.7	5	91	94	65-130	3.46	25
N-Nitrosodi-n-propylamine	3.8	4.1	5	76	83	59-130	8.38	25
n-Octadecane	5.0	5.0	5	99	101	60-130	1.16	25
Pentachlorophenol	1.6	1.6	1.25	124	129	60-130	3.36	25
Phenanthrene	0.23	0.24	0.25	93	95	65-120	1.99	25
Phenol	0.88	0.89	1	88	89	48-120	1.92	25
Pyrene	0.26	0.27	0.25	103	106	70-120	3.27	25
Pyridine	3.1	3.1	5	62	63	30-130	0.918	25
1,2,4-Trichlorobenzene	4.3	4.4	5	86	87	57-130	1.16	25
2,4,5-Trichlorophenol	0.24	0.25	0.25	95	99	65-130	3.36	25
2,4,6-Trichlorophenol	0.23	0.24	0.25	91	97	69-130	6.53	25

(Cont.)



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/16/2024  
**Date Analyzed:** 02/16/2024  
**Instrument:** GC21  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (February 2024)

**WorkOrder:** 2402A50  
**BatchID:** 288041  
**Extraction Method:** E625.1  
**Analytical Method:** E625.1  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-288041

### QC Summary Report for E625.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
<b>Surrogate Recovery</b>								
2-Fluorophenol	3.9	4.0	5	79	80	20-103	1.91	25
Phenol-d5	4.2	4.4	5	84	88	20-120	3.92	25
Nitrobenzene-d5	5.2	5.4	5	104	107	61-130	3.24	25
2-Fluorobiphenyl	4.3	4.2	5	86	85	63-115	1.86	25
2,4,6-Tribromophenol	6.6	6.4	5	132	128	48-149	3.20	25
4-Terphenyl-d14	3.8	3.6	5	76	72	32-113	4.92	25





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

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 2402A50

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; APSD  
PO:  
Project: Semi-Annual Sampling (February 2024)

**Bill to:**

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

**Requested TAT: 5 days;**

*Date Received:* **02/15/2024**

*Date Logged:* **02/15/2024**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2402A50-001	E-001	Water	2/15/2024 10:40	<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: 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.



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http://www.mccampbell.com / E-mail: main@mccampbell.com

## WORK ORDER SUMMARY

**Client Name:** PG&E GATEWAY GENERATING STATION

**Project:** Semi-Annual Sampling (February 2024)

**Work Order:** 2402A50

**Client Contact:** Angel Espiritu

**QC Level:** LEVEL 2

**Contact's Email:** abe4@pge.com

**Comments**

**Date Logged:** 2/15/2024

☐ 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"/>	2/15/2024 10:40	5 days	2/23/2024	Present	<input type="checkbox"/>	<input type="checkbox"/>
001B	E-001	Water	E624.1 (ACRO, ACRY, & 2-CEVE)	2	VOA, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2/15/2024 10:40	5 days	2/23/2024	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).

- 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.



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http://www.mcccampbell.com / E-mail: main@mcccampbell.com

## WORK ORDER SUMMARY

**Client Name:** PG&E GATEWAY GENERATING STATION

**Project:** Semi-Annual Sampling (February 2024)

**Work Order:** 2402A50

**Client Contact:** Angel Espiritu

**QC Level:** LEVEL 2

**Contact's Email:** abe4@pge.com

**Comments**

**Date Logged:** 2/15/2024

☐ 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-	1	1LA Narrow Mouth, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2/15/2024 10:40	5 days	2/23/2024	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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## WORK ORDER SUMMARY

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**Client Contact:** Angel Espiritu

**QC Level:** LEVEL 2

**Contact's Email:** abe4@pge.com

**Comments**

**Date Logged:** 2/15/2024

☐ 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
			chloroisopropyl) Ether, Bis (2-ethylhexyl) Phthalate, Butylbenzyl Phthalate, Chrysene, Dibenzo (a,h) 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).

- 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.

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## WORK ORDER SUMMARY

**Client Name:** PG&E GATEWAY GENERATING STATION

**Project:** Semi-Annual Sampling (February 2024)

**Work Order:** 2402A50

**Client Contact:** Angel Espiritu

**QC Level:** LEVEL 2

**Contact's Email:** abe4@pge.com

**Comments**

**Date Logged:** 2/15/2024

☐ 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, 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, Toxaphene_1>	1	1LA Narrow Mouth, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2/15/2024 10:40	5 days	2/23/2024	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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## 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](mailto:abe4@pge.com), [TIWY@pge.com](mailto:TIWY@pge.com), [MSFG@pge.com](mailto:MSFG@pge.com), [APSD@pge.com](mailto:APSD@pge.com)

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

Project Name: Semi-Annual Sampling (February 2024)

**Project Location: Combined Site Flow**

**Sampler Signature: Muskan Environmental Sampling**

4

Relinquished By:

Date:

Time:

Received By:

ICE/t°

**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:

<b>VOAS</b>	<b>O&amp;G</b>	<b>METALS</b>	<b>OTHER</b>
-------------	----------------	---------------	--------------



## 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



## Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station  
Project: Semi-Annual Sampling (February 2024)  
  
WorkOrder No: 2402A50 Matrix: Water  
Carrier: Client Drop-In

Date and Time Received: 2/15/2024 13:38  
Date Logged: 2/15/2024  
Received by: Valerie Alfaro  
Logged by: Valerie Alfaro

### 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: 0.3°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:** 2402A38

**Report Created for:** PG&E Gateway Generating Station

3225 Wilbur Avenue  
Antioch, CA 94509

**Project Contact:** Angel Espiritu

**Project P.O.:**

**Project:** Annual Sampling (February 2024)

**Project Received:** 02/15/2024

Analytical Report reviewed & approved for release on 02/23/2024 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:** 2402A38

**Project:** Annual Sampling (February 2024)

### 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 <sup>1</sup>
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 <sup>2</sup>
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

<sup>1</sup> 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.

<sup>2</sup> 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:** 2402A38

**Project:** Annual Sampling (February 2024)

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

B	Analyte detected in the associated Method Blank at a concentration greater than 1/10 the reported sample result.
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.



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 02/15/2024 13:38  
**Date Prepared:** 02/15/2024  
**Project:** Annual Sampling (February 2024)

**WorkOrder:** 2402A38  
**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	2402A38-001B	Water	02/15/2024 10:40		IC4 02162405.D	288013
<u>Analytes</u>	<u>Result</u>		<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Sulfate	74		0.76	2.0	20	02/15/2024 19:21
<u>Surrogates</u>	<u>REC (%)</u>	<u>Qualifiers</u>	<u>Limits</u>			
Malonate	139	S	90-115			02/15/2024 19:21
<u>Analyst(s):</u> TD			<u>Analytical Comments:</u> c1			



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 02/15/2024 13:38  
**Date Prepared:** 02/15/2024  
**Project:** Annual Sampling (February 2024)

**WorkOrder:** 2402A38  
**Extraction Method:** SM4500-S<sup>-2</sup> D  
**Analytical Method:** SM4500 S<sup>-2</sup> D  
**Unit:** mg/L

### Total Sulfide - S

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2402A38-001A	Water	02/15/2024 10:40	SPECTROPHOTOMETER2	288029

<u>Analytes</u>	<u>Result</u>	<u>Qualifiers</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Sulfide	0.067	JB	0.028	0.10	1	02/15/2024 15:17

Analyst(s): IGC



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/15/2024 - 02/16/2024  
**Date Analyzed:** 02/15/2024 - 02/16/2024  
**Instrument:** IC4  
**Matrix:** Water  
**Project:** Annual Sampling (February 2024)

**WorkOrder:** 2402A38  
**BatchID:** 288013  
**Extraction Method:** E300.1  
**Analytical Method:** E300.1  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-288013

### QC Summary Report for E300.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Sulfate	ND	0.038	0.10	-	-	-
<b>Surrogate Recovery</b>						
Malonate	0.10			0.1	100	90-115

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Sulfate	1.0	1.0	1	102	101	85-115	0.336	20
<b>Surrogate Recovery</b>								
Malonate	0.10	0.10	0.10	100	100	90-115	0.236	20



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 02/15/2024  
**Date Analyzed:** 02/15/2024  
**Instrument:** SPECTROPHOTOMETER2  
**Matrix:** Water  
**Project:** Annual Sampling (February 2024)

**WorkOrder:** 2402A38  
**BatchID:** 288029  
**Extraction Method:** SM4500-S<sup>-2</sup> D  
**Analytical Method:** SM4500 S<sup>-2</sup> D  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-288029

### QC Summary Report For SM4500 S-2D

Analyte	MB Result	MDL	RL			
Total Sulfide	0.071,J	0.028	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Sulfide	0.52	0.52	0.50	104	104	80-120	0.386	20





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

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 2402A38

ClientCode: PGEA

☐ WaterTrax

☐ CLIP

☐ EDF

☐ EQulS

☐ 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; APSD  
PO:  
Project: Annual Sampling (February 2024)

**Bill to:**

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

**Requested TAT: 5 days;**

*Date Received:* **02/15/2024**

*Date Logged:* **02/15/2024**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2402A38-001	E-001	Water	2/15/2024 10:40	<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: 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.



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:** Annual Sampling (February 2024)

**Work Order:** 2402A38

**Client Contact:** Angel Espiritu

**QC Level:** LEVEL 2

**Contact's Email:** abe4@pge.com

**Comments**

**Date Logged:** 2/15/2024

☐ 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+ZnAc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2/15/2024 10:40	5 days	2/23/2024	Present	<input type="checkbox"/>	<input type="checkbox"/>
001B	E-001	Water	E300.1 (Inorganic Anions) <Sulfate>	1	125mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2/15/2024 10:40	5 days	2/23/2024	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).

- 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.





## Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station  
Project: Annual Sampling (February 2024)  
WorkOrder No: 2402A38 Matrix: Water  
Carrier: Client Drop-In

Date and Time Received: 2/15/2024 13:38  
Date Logged: 2/15/2024  
Received by: Valerie Alfaro  
Logged by: Valerie Alfaro

### 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: 0.3°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 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 June 30, 2024)

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, 2024, as required under DD Industrial Wastewater Discharge Permit Number 0208841-C.

This report contains all components required by the above-referenced Industrial Wastewater Discharge Permit. See the following page for a list of its contents..

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

Sincerely,

*Tim Wisdom*

Tim Wisdom  
Senior Plant Manager

Attachment: a/s

RECEIVED  
JUL 11 2024  
DELTA DIABLO



**Pacific Gas and  
Electric Company®**

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

July 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  
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Sincerely,

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

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 June 30, 2024

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 9: | Annual Flowmeter Calibration         |

Pacific Gas and Electric Company  
Gateway Generating Station

**Quarterly Self-Monitoring Report**  
For the reporting period ending June 30, 2024

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- |               |                                      |
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| Attachment 7: | Cycles of Concentration              |
| Attachment 8: | Laboratory Results                   |
| Attachment 9: | Annual Flowmeter 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: June 30, 2024

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 11, 2024

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, 2024

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.)
- ☒ 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	6/11/2024	6/12/2024	6/12/2024					
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.	8.99						
BOD				ND(<2.0)				
COD				20				
TDS				294				
TSS				ND(<1.0)				
Arsenic	0.15			0.00074				
Cadmium	0.1			ND(<0.000061)				
Chromium	0.5			0.00033 <sup>J</sup>				
Copper	0.5			0.0083				
Iron				0.17				
Lead	0.5			ND(<0.00021)				
Mercury	0.003			ND(<0.00012)				
Molybdenum				0.0098				
Nickel	0.5			0.0016				
Selenium	0.25			0.00025 <sup>J</sup>				
Silver	0.2			ND(<0.000058)				
Zinc	1.00			0.05				
Cyanide	0.2		0.032					
Phenol	1.00		0.0042					
Ammonia	200			30				
O&G Petro/Min (E1664A w/ Silica)	100	ND(<1.1)	ND(<1.0)					
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.

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

Attachment 4  
Discharge Flow Data

## PG&amp;E Gateway Generating Station

## Discharge Flow Data

April 2024-June 2024

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)	
4/1/2024	34.4	0.0	NO	41,266	0.0	0	NO		41,266
4/2/2024	34.4	0.0	NO	47,112	24.9	0	NO	383	47,495
4/3/2024	34.7	0.0	NO	48,595	24.3	0	NO	395	48,990
4/4/2024	34.6	0.0	NO	49,008	0.0	0	NO		49,008
4/5/2024	34.5	0.0	NO	48,574	24.0	0	NO	428	49,002
4/6/2024	34.6	0.0	NO	42,092	0.0	0	NO		42,092
4/7/2024	34.5	0.0	NO	42,451	0.0	0	NO		42,451
4/8/2024	34.5	0.0	NO	37,546	23.9	0	NO	416	37,962
4/9/2024	34.6	0.0	NO	36,761	0.0	0	NO		36,761
4/10/2024	34.4	1.0	NO	18,513	21.7	1	NO		18,513
4/11/2024	34.8	0.0	NO	21,838	24.0	0	NO	398	22,236
4/12/2024	36.0	0.0	NO	42,458	0.0	0	NO		42,458
4/13/2024	34.6	0.0	NO	19,677	0.0	0	NO		19,677
4/14/2024	35.2	0.0	NO	35,419	24.3	0	NO	388	35,807
4/15/2024	34.8	0.0	NO	16,004	23.5	0	NO	382	16,386
4/16/2024	34.4	0.0	NO	31,410	19.4	0	NO	360	31,770
4/17/2024	34.5	0.0	NO	35,997	0.1	0	NO		35,997
4/18/2024	34.7	0.0	NO	36,890	23.5	0	NO	369	37,260
4/19/2024	35.3	0.0	NO	45,326	23.8	0	NO	377	45,703
4/20/2024	34.7	0.0	NO	22,224	0.1	0	NO		22,224
4/21/2024	34.8	0.0	NO	38,937	0.1	0	NO		38,937
4/22/2024	34.8	0.0	NO	18,671	23.9	0	NO	393	19,064
4/23/2024	34.5	0.0	NO	39,218	0.0	0	NO		39,218
4/24/2024	34.6	0.0	NO	41,844	24.8	0	NO	408	42,252
4/25/2024	34.5	0.0	NO	48,569	25.0	0	NO	409	48,978
4/26/2024	34.6	0.0	NO	31,446	0.0	0	NO		31,446
4/27/2024	34.7	0.0	NO	18,813	0.0	0	NO		18,813
4/28/2024	34.8	0.0	NO	35,016	24.5	0	NO	400	35,416
4/29/2024	34.6	0.0	NO	30,845	0.0	0	NO		30,845
4/30/2024	36.1	0.0	NO	21,854	24.0	0	NO	412	22,266

Max Daily Flow (Limit: 51,120):

49,008

Monthly Total:

1,050,293

5/1/2024	34.5	0.0	NO	30,406	0.0	0	NO		30,406
5/2/2024	34.8	0.0	NO	28,515	24.5	0	NO	408	28,922
5/3/2024	35.0	0.0	NO	23,787	0.0	0	NO		23,787
5/4/2024	34.6	0.0	NO	15,582	0.0	0	NO		15,582
5/5/2024	34.7	0.0	NO	42,477	24.7	0	NO	417	42,894
5/6/2024	35.1	0.0	NO	16,706	0.1	0	NO	3	16,709
5/7/2024	35.5	0.0	NO	17,878	23.4	0	NO	426	18,304
5/8/2024	35.0	0.0	NO	22,788	0.0	0	NO		22,788
5/9/2024	34.5	0.0	NO	46,515	23.7	0	NO	415	46,930
5/10/2024	34.6	1.0	NO	11,036	23.6	1	NO	415	11,451
5/11/2024	34.8	0.0	NO	18,187	0.1	0	NO		18,187
5/12/2024	34.5	0.0	NO	25,714	0.1	0	NO		25,714
5/13/2024	34.7	0.0	NO	6,519	23.3	0	NO	450	6,969
5/14/2024	-0.4	0.0	NO	(1,053)	0.0	0	NO		(1,053)
5/15/2024	34.6	0.0	NO	6,411	23.5	0	NO	439	6,850
5/16/2024	34.8	0.0	NO	14,139	23.4	0	NO	388	14,528
5/17/2024	34.7	0.0	NO	22,975	0.1	0	NO		22,975
5/18/2024	34.8	0.0	NO	16,454	0.0	0	NO		16,454
5/19/2024	34.9	0.0	NO	16,428	0.0	0	NO		16,428
5/20/2024	34.8	0.0	NO	18,766	23.9	0	NO	413	19,178
5/21/2024	34.5	0.0	NO	6,392	0.0	0	NO		6,392

Public



## PG&amp;E Gateway Generating Station

## Discharge Flow Data

April 2024-June 2024

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)	
5/22/2024	34.8	0.0	NO	13,708	22.7	0	NO	395	14,103
5/23/2024	34.6	0.0	NO	42,324	0.0	0	NO		42,324
5/24/2024	37.0	0.0	NO	20,212	23.8	0	NO	433	20,645
5/25/2024	34.6	0.0	NO	9,486	0.1	0	NO		9,486
5/26/2024	34.8	0.0	NO	12,388	23.8	0	NO	417	12,804
5/27/2024	34.7	0.0	NO	6,521	0.1	0	NO	1	6,522
5/28/2024	34.6	0.0	NO	6,375	0.1	0	NO		6,375
5/29/2024	34.8	0.0	NO	6,273	23.3	0	NO	401	6,673
5/30/2024	35.8	0.0	NO	23,716	22.8	0	NO	387	24,103
5/31/2024	34.7	0.0	NO	30,728	0.0	0	NO		30,721

Max Daily Flow (Limit: 51,120): 46,930

Monthly Total: 584,150

6/1/2024	34.5	0.0	NO	38,148	0.0	0	NO		38,139
6/2/2024	34.6	0.0	NO	19,187	23.1	0	NO	368	19,555
6/3/2024	34.8	0.0	NO	9,316	0.0	0	NO		9,305
6/4/2024	34.7	0.0	NO	19,014	24.4	0	NO	364	19,378
6/5/2024	34.5	0.0	NO	45,031	0.0	0	NO		45,025
6/6/2024	34.5	0.0	NO	48,634	24.6	0	NO	366	49,000
6/7/2024	34.5	0.0	NO	49,003	0.1	0	NO		48,990
6/8/2024	34.4	0.0	NO	28,689	0.1	2	NO		28,681
6/9/2024	34.4	0.0	NO	18,633	25.6	0	NO	364	18,997
6/10/2024	34.5	0.0	NO	35,767	0.1	0	NO	364	36,131
6/11/2024	34.7	0.0	NO	48,619	24.7	0	NO	373	48,992
6/12/2024	34.6	0.0	NO	47,508	0.0	0	NO		46,967
6/13/2024	34.5	0.0	NO	48,588	22.8	0	NO	401	48,989
6/14/2024	34.5	0.0	NO	37,660	0.0	0	NO		37,653
6/15/2024	34.6	0.0	NO	7,390	0.0	0	NO		7,388
6/16/2024	34.6	0.0	NO	6,426	23.3	0	NO	428	6,854
6/17/2024	34.8	0.0	NO	21,425	0.0	0	NO		21,423
6/18/2024	34.8	0.0	NO	29,845	23.6	0	NO	414	30,259
6/19/2024	34.5	0.0	NO	48,994	0.1	0	NO		48,987
6/20/2024	34.6	0.0	NO	49,002	0.0	0	NO		48,993
6/21/2024	34.6	0.0	NO	48,601	25.2	0	NO	395	48,996
6/22/2024	34.9	0.0	NO	20,768	0.0	0	NO		20,749
6/23/2024	34.8	0.0	NO	30,067	0.0	0	NO		30,056
6/24/2024	35.0	0.0	NO	14,771	0.0	0	NO		14,763
6/25/2024	34.8	0.0	NO	14,113	23.2	0	NO	367	14,480
6/26/2024	35.0	0.0	NO	29,682	25.7	0	NO	378	30,060
6/27/2024	34.8	0.0	NO	36,704	0.0	0	NO		36,692
6/28/2024	34.5	0.0	NO	48,609	24.7	0	NO	380	48,989
6/29/2024	34.4	0.0	NO	41,224	0.0	0	NO		41,213
6/30/2024	34.4	0.0	NO	45,313	0.0	0	NO		45,306

Max Daily Flow (Limit: 51,120): 49,000

Monthly Total: 991,010

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: **2024**

Month	Flow (gallons)	Due Date
January		
February		
March		
April	1,050,293	7/15/2024
May	584,150	7/15/2024
June	991,010	7/15/2024
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 2024 to June 2024

WSAC Operation	
Month	Hours of Operation
January-24	
February-24	
March-24	
April-24	34.92
May-24	211.83
June-24	396.58
January-24	
August-24	
September-24	
October-24	
November-24	
December-24	

Attachment 7  
Cycles of Concentration

PG&E Gateway Generating Station

WSAC Average Daily Blowdown Cycles Report  
April 2024 to June 2024

WSAC Operation	
Month	Average Daily Blowdown Cycles
January-24	
February-24	
March-24	
April-24	3.34
May-24	5.09
June-24	4.09
July-24	
August-24	
September-24	
October-24	
November-24	
December-24	

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:** 2406738 **Amended:** 06/20/2024

**Revision:** 1

**Report Created for:** PG&E Gateway Generating Station

3225 Wilbur Avenue  
Antioch, CA 94509

**Project Contact:** Angel Espiritu

**Project P.O.:**

**Project:** Quarterly Sampling ( June 2024 )

**Project Location:** Combined Site Flow

**Project Received:** 06/12/2024

Analytical Report reviewed & approved for release on 06/19/2024 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.*





## Revision History

**Client:** PG&E Gateway Generating Station  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738

<u>Date</u>	<u>Revision</u>	<u>Reason</u>
06/20/2024	1	Reported Arsenic and Selenium



## Glossary of Terms & Qualifier Definitions

**Client:** PG&E Gateway Generating Station

**WorkOrder:** 2406738

**Project:** Quarterly Sampling ( June 2024 )

### 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 <sup>1</sup>
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 <sup>2</sup>
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

<sup>1</sup> 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.

<sup>2</sup> 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:** 2406738

**Project:** Quarterly Sampling ( June 2024 )

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 Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
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:** 06/12/2024 11:55  
**Date Prepared:** 06/14/2024-06/18/2024  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**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	2406738-001A	Water	06/11/2024 10:00	O&G	295694

Analytes	Result	MDL	RL	DF	Date Analyzed
SGT-HEM	ND	1.1	4.8	1	06/14/2024 12:00

Analyst(s): LAM

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2406738-002A	Water	06/12/2024 10:20	O&G	295935

Analytes	Result	MDL	RL	DF	Date Analyzed
SGT-HEM	ND	1.0	4.7	1	06/18/2024 14:00

Analyst(s): HN



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 06/12/2024 11:55  
**Date Prepared:** 06/14/2024-06/17/2024  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**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	2406738-001B	Water	06/11/2024 10:00	O&G	295694

Analytes	Result	MDL	RL	DF	Date Analyzed
HEM	ND	2.4	4.8	1	06/14/2024 12:05

Analyst(s): LAM

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2406738-002B	Water	06/12/2024 10:20	O&G	295855

Analytes	Result	MDL	RL	DF	Date Analyzed
HEM	ND	2.4	4.8	1	06/17/2024 15:55

Analyst(s): HN



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 06/12/2024 11:55  
**Date Prepared:** 06/17/2024  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**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	2406738-003G	Water	06/12/2024 10:15	WC_SKALAR 240617A1_85	295861

Analytes	Result	MDL	RL	DF	Date Analyzed
Ammonia, total as N	30	0.89	1.0	10	06/17/2024 16:07

Analyst(s): IGC





## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 06/12/2024 11:55  
**Date Prepared:** 06/13/2024  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**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	2406738-003A	Water	06/12/2024 10:15	WetChem	295670

Analytes	Result	MDL	RL	DF	Date Analyzed
BOD	ND	2.0	2.0	1.02	06/18/2024 13:09

Analyst(s): JME



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 06/12/2024 11:55  
**Date Prepared:** 06/18/2024  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**Extraction Method:** SM4500-CN<sup>-</sup> E  
**Analytical Method:** SM4500-CN<sup>-</sup> CE  
**Unit:** µg/L

### Cyanide, Total

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2406738-002D	Water	06/12/2024 10:20	WC_Skalar3 240618A0_28	295963

Analytes	Result	MDL	RL	DF	Date Analyzed
Total Cyanide	32	0.58	1.0	1	06/18/2024 16:37

Analyst(s): CC



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 06/12/2024 11:55  
**Date Prepared:** 06/18/2024  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**Extraction Method:** SM5220 D  
**Analytical Method:** SM5220 D  
**Unit:** mg/L

### Chemical Oxygen Demand (COD) as mg O<sub>2</sub> /L

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
E-001	2406738-003B	Water	06/12/2024 10:15		SPECTROPHOTOMETER2	295962
<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>	
COD	20	7.1	10	1	06/18/2024 19:46	

Analyst(s): IGC



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 06/12/2024 11:55  
**Date Prepared:** 06/13/2024  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**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	2406738-003F	Water	06/12/2024 10:15	AA1 _17	295597

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	ND	0.12	0.20	1	06/13/2024 17:38

Analyst(s): MJA



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 06/12/2024 11:55  
**Date Prepared:** 06/13/2024  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**Extraction Method:** E200.8  
**Analytical Method:** E200.8  
**Unit:** µg/L

### Metals

Client ID	Lab ID	Matrix	Date Collected			Instrument	Batch ID
E-001	2406738-003E	Water	06/12/2024 10:15			ICP-MS4 282SMPL.d	295623
<u>Analytes</u>	<u>Result</u>	<u>Qualifiers</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>	
Arsenic	0.74		0.077	0.50	1	06/13/2024 23:41	
Cadmium	ND		0.061	0.50	1	06/13/2024 23:41	
Chromium	0.33	J	0.33	2.0	1	06/13/2024 23:41	
Copper	8.3		0.63	1.5	1	06/13/2024 23:41	
Iron	170		21	50	1	06/13/2024 23:41	
Lead	ND		0.21	0.50	1	06/13/2024 23:41	
Molybdenum	9.8		0.18	0.50	1	06/13/2024 23:41	
Nickel	1.6		0.24	0.50	1	06/13/2024 23:41	
Selenium	0.25	J	0.17	0.50	1	06/13/2024 23:41	
Silver	ND		0.058	0.50	1	06/13/2024 23:41	
Zinc	50		11	20	1	06/13/2024 23:41	
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>					
Terbium	107	70-130			06/13/2024 23:41		
<u>Analyst(s):</u> DB							



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 06/12/2024 11:55  
**Date Prepared:** 06/18/2024  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**Extraction Method:** E420.4  
**Analytical Method:** E420.4  
**Unit:** µg/L

### Phenolics

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
E-001	2406738-002C	Water	06/12/2024 10:20		WC_SKALAR 240618B1_36	295927
<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>	
Phenolics	4.2	1.5	2.0	1	06/18/2024 13:06	

Analyst(s): CC



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 06/12/2024 11:55  
**Date Prepared:** 06/17/2024  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**Extraction Method:** SM2540 C-  
**Analytical Method:** SM2540 C  
**Unit:** mg/L

### Total Dissolved Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2406738-003C	Water	06/12/2024 10:15	WetChem	295864

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Dissolved Solids	294	10.0	10.0	1	06/18/2024 16:12

Analyst(s): JME



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 06/12/2024 11:55  
**Date Prepared:** 06/14/2024  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**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	2406738-003D	Water	06/12/2024 10:15	WetChem	295794

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Suspended Solids	ND	1.00	1.00	1	06/17/2024 14:18

Analyst(s): JME





## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 06/14/2024  
**Date Analyzed:** 06/14/2024  
**Instrument:** O&G  
**Matrix:** Water  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**BatchID:** 295694  
**Extraction Method:** E1664A\_SG  
**Analytical Method:** E1664A  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-295694

### QC Summary Report for E1664A

Analyte	MB Result	MDL	RL			
SGT-HEM	ND	1.1	5.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
SGT-HEM	9.2	12	10.42	88	116	64-132	26.7	30

(Cont.)

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## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 06/18/2024  
**Date Analyzed:** 06/18/2024  
**Instrument:** O&G  
**Matrix:** Water  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**BatchID:** 295935  
**Extraction Method:** E1664A\_SG  
**Analytical Method:** E1664A  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-295935

### QC Summary Report for E1664A

Analyte	MB Result	MDL	RL			
SGT-HEM	ND	1.1	5.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
SGT-HEM	6.0	6.2	10.42	57,F4	59,F4	64-132	3.46	30



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 06/14/2024  
**Date Analyzed:** 06/14/2024  
**Instrument:** O&G  
**Matrix:** Water  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**BatchID:** 295694  
**Extraction Method:** E1664A  
**Analytical Method:** E1664A  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-295694

### QC Summary Report for E1664A

Analyte	MB Result	MDL	RL			
HEM	ND	2.5	5.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
HEM	19	20	20.83	93	96	78-114	2.39	30

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 06/17/2024  
**Date Analyzed:** 06/17/2024  
**Instrument:** O&G  
**Matrix:** Water  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**BatchID:** 295855  
**Extraction Method:** E1664A  
**Analytical Method:** E1664A  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-295855

### QC Summary Report for E1664A

Analyte	MB Result	MDL	RL			
HEM	ND	2.5	5.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
HEM	19	19	20.83	93	91	78-114	2.19	30



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 06/17/2024  
**Date Analyzed:** 06/17/2024  
**Instrument:** WC\_SKALAR  
**Matrix:** Water  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**BatchID:** 295861  
**Extraction Method:** SM4500-NH3 BG  
**Analytical Method:** SM4500-NH3 BG  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-295861

### QC Summary Report for SM4500-NH3

Analyte	MB Result	MDL	RL			
Ammonia, total as N	ND	0.089	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Ammonia, total as N	4.0	4.1	4	100	102	90-110	1.27	10



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 06/13/2024  
**Date Analyzed:** 06/18/2024  
**Instrument:** WetChem  
**Matrix:** Water  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**BatchID:** 295670  
**Extraction Method:** SM5210B  
**Analytical Method:** SM5210 B  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-295670

### 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	220	198	106	109	80-120	3.53	16



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 06/18/2024  
**Date Analyzed:** 06/18/2024  
**Instrument:** WC\_Skalar3  
**Matrix:** Water  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**BatchID:** 295963  
**Extraction Method:** SM4500-CN<sup>-</sup> E  
**Analytical Method:** SM4500-CN<sup>-</sup> CE  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-295963

### QC Summary Report for SM4500-CN<sup>-</sup> 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	RPD Limit
Total Cyanide	47	50	50	94	100	90-110	5.58	20



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 06/18/2024  
**Date Analyzed:** 06/18/2024  
**Instrument:** SPECTROPHOTOMETER2  
**Matrix:** Water  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**BatchID:** 295962  
**Extraction Method:** SM5220 D  
**Analytical Method:** SM5220 D  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-295962

### QC Summary Report for COD

Analyte	MB Result	MDL	RL			
COD	ND	7.1	10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
COD	98	98	100	98	98	90-110	0	20





## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 06/13/2024  
**Date Analyzed:** 06/13/2024  
**Instrument:** AA1  
**Matrix:** Water  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**BatchID:** 295597  
**Extraction Method:** E245.2  
**Analytical Method:** E245.2  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-295597  
2406738-003FMS/MSD

### QC Summary Report for Mercury

Analyte	MB Result	MDL	RL			
Mercury	ND	0.12	0.20	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Mercury	2.0	2.1	2	101	104	85-115	2.17	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Mercury	1	1.9	2.0	2	ND	94	100	80-120	5.37	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  
**Date Prepared:** 06/13/2024  
**Date Analyzed:** 06/13/2024  
**Instrument:** ICP-MS4  
**Matrix:** Water  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**BatchID:** 295623  
**Extraction Method:** E200.8  
**Analytical Method:** E200.8  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-295623

### QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.077	0.50	-	-	-
Cadmium	ND	0.061	0.50	-	-	-
Chromium	ND	0.33	2.0	-	-	-
Copper	ND	0.63	1.5	-	-	-
Iron	ND	21	50	-	-	-
Lead	ND	0.21	0.50	-	-	-
Molybdenum	ND	0.18	0.50	-	-	-
Nickel	ND	0.24	0.50	-	-	-
Selenium	ND	0.17	0.50	-	-	-
Silver	ND	0.058	0.50	-	-	-
Zinc	ND	11	20	-	-	-

#### Surrogate Recovery

Terbium	530	500	106	70-130
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Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	53	54	50	106	107	85-115	1.80	20
Cadmium	53	53	50	107	107	85-115	0.0411	20
Chromium	52	52	50	104	105	85-115	0.471	20
Copper	54	54	50	109	109	85-115	0.361	20
Iron	5200	5200	5000	104	104	85-115	0.114	20
Lead	52	53	50	104	106	85-115	2.15	20
Molybdenum	50	51	50	100	102	85-115	1.92	20
Nickel	53	54	50	106	108	85-115	2.27	20
Selenium	53	55	50	107	110	85-115	2.71	20
Silver	52	52	50	104	104	85-115	0.135	20
Zinc	540	540	500	108	109	85-115	0.953	20

#### Surrogate Recovery

Terbium	520	530	500	105	107	70-130	1.97	20
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## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 06/18/2024  
**Date Analyzed:** 06/18/2024  
**Instrument:** WC\_SKALAR  
**Matrix:** Water  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**BatchID:** 295927  
**Extraction Method:** E420.4  
**Analytical Method:** E420.4  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-295927

### 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	41	42	40	103	105	90-110	1.87	20



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 06/17/2024  
**Date Analyzed:** 06/18/2024  
**Instrument:** WetChem  
**Matrix:** Water  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**BatchID:** 295864  
**Extraction Method:** SM2540 C-  
**Analytical Method:** SM2540 C  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-295864

### 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	918	908	1000	92	91	80-120	1.10	10



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 06/14/2024  
**Date Analyzed:** 06/17/2024  
**Instrument:** WetChem  
**Matrix:** Water  
**Project:** Quarterly Sampling ( June 2024 )

**WorkOrder:** 2406738  
**BatchID:** 295794  
**Extraction Method:** SM2540 D  
**Analytical Method:** SM2540 D  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-295794

### 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	84.0	87.0	100	84	87	80-120	3.51	10



## CHAIN-OF-CUSTODY RECORD

WorkOrder: 2406738

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; APSD  
PO:  
Project: Quarterly Sampling ( June 2024 )

## Bill to:

Angel Espiritu  
PG&E Gateway Generating Station  
3225 Wilbur Avenue  
Antioch, CA 94509Requested TATs: 5 days;  
7 days;

Date Received: 06/12/2024

Date Logged: 06/12/2024

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2406738-001	E-001	Water	6/11/2024 10:00	<input type="checkbox"/>	A	B								A		
2406738-002	E-001	Water	6/12/2024 10:20	<input type="checkbox"/>	A	B			D				C	A		
2406738-003	E-001	Water	6/12/2024 10:15	<input type="checkbox"/>			G	A		B	F	E		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: Natalie Zaragoza

## 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 ( June 2024 )

**Work Order:** 2406738

**Client Contact:** Angel Espiritu

**QC Level:** LEVEL 2

**Contact's Email:** abe4@pge.com

**Comments:**

**Date Logged:** 6/12/2024

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

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001	Water	E1664A (SGT- HEM; Non-polar Material)	2	1LA w/ HCl + 1-aVOA w/HCL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/11/2024 10:00	5 days	6/19/2024	Present	<input type="checkbox"/>	<input type="checkbox"/>
001B	E-001	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"/>	6/11/2024 10:00	5 days	6/19/2024	Present	<input type="checkbox"/>	<input type="checkbox"/>
002A	E-001	Water	E1664A (SGT- HEM; Non-polar Material)	2	1LA w/ HCl + 1-aVOA w/HCL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/12/2024 10:20	5 days	6/19/2024	Present	<input type="checkbox"/>	<input type="checkbox"/>
002B	E-001	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"/>	6/12/2024 10:20	5 days	6/19/2024	Present	<input type="checkbox"/>	<input type="checkbox"/>
002C	E-001	Water	E420.4 (Phenolics)	1	500mL aG w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/12/2024 10:20	5 days	6/19/2024	Present	<input type="checkbox"/>	<input type="checkbox"/>
002D	E-001	Water	SM4500-CN <sup>-</sup> CE (Cyanide, Total)	1	250mL aHDPE w/ NaOH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/12/2024 10:20	5 days	6/19/2024	Present	<input type="checkbox"/>	<input type="checkbox"/>
003A	E-001	Water	SM5210B (BOD)	1	500mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/12/2024 10:15	7 days	6/21/2024	Present	<input type="checkbox"/>	<input type="checkbox"/>
003B	E-001	Water	SM5220D (COD)	2	aVOA w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/12/2024 10:15	5 days	6/19/2024	Present	<input type="checkbox"/>	<input type="checkbox"/>
003C	E-001	Water	SM2540C (TDS)	1	500mL aG, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/12/2024 10:15	5 days	6/19/2024	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).

- 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 ( June 2024 )

**Work Order:** 2406738

**Client Contact:** Angel Espiritu

**QC Level:** LEVEL 2

**Contact's Email:** abe4@pge.com

**Comments:**

**Date Logged:** 6/12/2024

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

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
003D	E-001	Water	SM2540D (TSS)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/12/2024 10:15	5 days	6/19/2024	Present	<input type="checkbox"/>	<input type="checkbox"/>
003E	E-001	Water	E200.8 (Metals) <Cadmium, Chromium, Copper, Iron, Lead, Molybdenum, Nickel, Silver, Zinc>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/12/2024 10:15	5 days	6/19/2024	Present	<input type="checkbox"/>	<input type="checkbox"/>
003F	E-001	Water	E245.2 (Mercury)	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/12/2024 10:15	5 days	6/19/2024	Present	<input type="checkbox"/>	<input type="checkbox"/>
003G	E-001	Water	SM4500-NH3 BG (Ammonia Nitrogen)	1	250mL aG w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/12/2024 10:15	5 days	6/19/2024	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).

- 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](http://www.mccampbell.com) Email: [main@mccampbell.com](mailto: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](mailto:abe4@pge.com), [TIWY@pge.com](mailto:TIWY@pge.com), [MSFG@pge.com](mailto:MSFG@pge.com), [APSD@pge.com](mailto:APSD@pge.com)

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

Fax: ( )

Project Name: Quarterly Sampling (June 2024)

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	H2SO4	NaOH	HCL	HNO3	Other													
E-001		G	6/11/24	10:00	4	1L Amb, 40-ml VOA	X			X			X							X								
E-001		G	6/12/24	10:20	4	1L Amb, 40-ml VOA	X			X			X							X								
E-001		G	6/12/24	10:20	1	500ml Amb	X			X	X								X									
E-001		G	6/12/24	10:20	1	250-ml Poly	X			X		X			X													
E-001		C	6/12/24	10:15	1	500 ml Poly	X		X	X													X					
E-001		C	6/12/24	10:15	2	43-ml VOA	X			X	X													X				
E-001		C	6/12/24	10:15	1	500-ml poly	X		X	X															X			
E-001		C	6/12/24	10:15	1	1L poly	X		X	X																X		
E-001		C	6/12/24	10:15	1	250-ml Poly	X			X				X						X								
E-001		C	6/12/24	10:15	1	250-ml poly	X			X				X						X								
E-001		C	6/12/24	10:15	1	250 ml Amb	X			X	X									X								

Relinquished By:

Date:

Time:

Received By:

ICE/t<sup>o</sup> 11:55

GOOD CONDITION

HEAD SPACE ABSENT

DECHLORINATED IN LAB

APPROPRIATE CONTAINERS

COMMENTS:

Relinquished By:

Date:

Time:

Received By:



## Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station  
Project: Quarterly Sampling ( June 2024 )

Date and Time Received: 6/12/2024 11:55

Date Logged: 6/12/2024

Received by: Lilly Ortiz

Logged by: Natalie Zaragoza

WorkOrder №: 2406738 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: 0.7°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:** 2406865

**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 2024)

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

**Project Received:** 06/12/2024

Analytical Report reviewed & approved for release on 06/18/2024 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:** 2406865

**Project:** pH Sampling (June 2024)

### 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 <sup>1</sup>
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 <sup>2</sup>
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

<sup>1</sup> 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.

<sup>2</sup> 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:** 2406865

**Project:** pH Sampling (June 2024)

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 Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)





## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 06/12/2024 11:55  
**Date Prepared:** 06/11/2024  
**Project:** pH Sampling (June 2024)

**WorkOrder:** 2406865  
**Extraction Method:** SM4500H+B  
**Analytical Method:** SM4500H+B  
**Unit:** pH units

### pH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2406865-001A	Water	06/11/2024 10:02	WetChem	295991

Analytes	Result	Accuracy	DF	Date Analyzed
pH	8.99	±0.05	1	06/11/2024 10:03

Analyst(s): ISH



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

☐ WaterTrax

☐ CLIP

☐ EDF

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 2406865

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 2024)

**Bill to:**

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

**Requested TAT: 5 days;**

*Date Received:* **06/12/2024**

*Date Logged:* **06/13/2024**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2406865-001	E-001	Water	6/11/2024 10:02	<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.





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

## WORK ORDER SUMMARY

**Client Name:** PG&E GATEWAY GENERATING STATION

**Project:** pH Sampling (June 2024)

**Work Order:** 2406865

**Client Contact:** Sanjiv Gill

**QC Level:** LEVEL 2

**Contact's Email:** sanjivgill@comcast.net

**Comments:**

**Date Logged:** 6/13/2024

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

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	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"/>	6/11/2024 10:02	5 days	6/19/2024		<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.



## Logbook for Field pH Samples

[illegible]

Meter : Myron L Company  
Ultra Meter II  
serial # 6222066  
pH on C/C 6/11/24

SE & E Gateway

10



**McC Campbell Analytical, Inc.**  
*"When Quality Counts"*

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

## Client Supplied pH Data

Client Name: PG&E Gateway Generating Station  
Project: pH Sampling (June 2024)

WorkOrder No: 2406865

SampleID	ClientSampleID	pH
2406865-001A	E-001	8.99 [analyzed: 6/11/2024 10:03 AM]



## Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station  
Project: pH Sampling (June 2024)

Date and Time Received: 6/12/2024 11:55  
Date Logged: 6/13/2024  
Received by: Lilly Ortiz  
Logged by: Agustina Venegas

WorkOrder No: 2406865 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 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: Method SM4500H+B (Field pH) was received past its 0.01-day holding time.

Attachment 9  
Annual Flowmeter Calibration



Gateway Generating Station  
Annual Flowmeter Accuracy Test

Name and Signature of Tester:

Date of Test:

*Cesar Valdez* *Ca Neri* *Steve Middleton*  
10-12-24

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: <b>113.4</b> ohms	112.8 $\Omega$	Yes	170 $\mu\Omega$	160 $\mu\Omega$	Yes
Sanitary Wastewater Flowmeter Tag No. 8WWB-FM-X001 Model No. Yokogawa AXF 650C Coil Resistance Value: <b>116.8</b> ohms	113 $\Omega$	Yes	150 $\mu\Omega$	150 $\mu\Omega$	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.



**Pacific Gas and  
Electric Company®**

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

October 8, 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 September 30, 2024)

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, 2024, as required under DD Industrial Wastewater Discharge Permit Number 0208841-C.

This report contains all components required by the above-referenced Industrial Wastewater Discharge Permit. See the following page for a list of its contents..

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

Sincerely,

*Tim Wisdom*

Tim Wisdom  
Senior Plant Manager

Attachment: a/s

DELTA DIABLO

OCT 15 2024

RECEIVED





**Pacific Gas and  
Electric Company®**

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

October 8, 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 September 30, 2024)

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This report contains all components required by the above-referenced Industrial Wastewater Discharge Permit. See the following page for a list of its contents..

If you have any questions about this report, please feel free to contact Angel Espiritu at 510-861-1597, or at [abe4@pge.com](mailto: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 September 30, 2024

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: September 30, 2024

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. 8, 2024

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, 2024

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.)
- ☒ 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

ID #:0208841-C

SIC:4911

ADDRESS:3225 Wilbur Avenue

TYPE:Power Generation Plant

CITY :Antioch

DATE	9/3/2024	9/4/2024	9/4/2024	9/4/2024				
TYPE	G	G	C24	G				
STATION	E-001	E-001	E-001	E-001				
SMP.BY	Muskan	Muskan	Muskan	Muskan				
PURPOSE	Compliance Quarterly (Q3)	Compliance Quarterly (Q3)	Compliance Quarterly (Q3)	Compliance Semi-annual (SA2)				

Units: mg/L

PARAMETERS	LIMITS							
FLOW, DAILY (gal)	51,120							
FLOW, MONTH (gal)								
pH	6-10 s.u.	8.49						
BOD				ND(<2.0)				
COD				36				
TDS				510				
TSS				1.00				
Arsenic	0.15			0.00076				
Cadmium	0.1			ND(<0.000061)				
Chromium	0.5			ND(<0.00033)				
Copper	0.5			0.0041				
Iron				0.120				
Lead	0.5			0.00021 <sup>J</sup>				
Mercury	0.003			ND(<0.00012)				
Molybdenum				0.00017				
Nickel	0.5			0.00089				
Selenium	0.25			0.00019 <sup>J</sup>				
Silver	0.2			ND(<0.000058)				
Zinc	1.00			0.110				
Cyanide	0.2		0.0032					
Phenol	1.00		ND(<0.0015)					
Ammonia	200			45				
O&G Petro/Min (E1664A w/ Silica)	100	ND(<1.6)	ND(<1.6)					
O&G Animal/Vegetable Oil	300	ND(<1.5)	31.1					
TTO EPA 608								
TTO EPA 624								
TTO EPA 625								
TTO	2.00				0.02126			
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.

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



Attachment 4  
Discharge Flow Data

## PG&amp;E Gateway Generating Station

## Discharge Flow Data

July 2024-September 2024

Date	Industrial Flow				Sanitary Flow				Site Total (Gallons)
	Instantaneous Flow (GPM)	Time Over 39.05 GPM (minutes)	Did it ever go over 39.05 GPM for 15 mins?	Daily Total (Gallons)	Instantaneous Flow (GPM)	Time Meter went Bad Quality (minutes)	Did it ever go over 39.05 GPM for 15 mins?	Daily Total (Gallons)	
7/1/2024	34.5	0.0	NO	31,074	25.3	24	NO	385	31,459
7/2/2024	34.8	0.0	NO	15,198	0.1	0	NO		15,198
7/3/2024	34.7	0.0	NO	21,002	23.3	0	NO	403	21,405
7/4/2024	35.0	0.0	NO	18,872	0.1	0	NO	7	18,879
7/5/2024	35.2	0.0	NO	31,282	0.1	0	NO	4	31,286
7/6/2024	35.0	0.0	NO	22,101	25.4	0	NO	399	22,500
7/7/2024	34.8	0.0	NO	27,663	0.1	0	NO	(0)	27,663
7/8/2024	34.5	0.0	NO	48,603	23.4	0	NO	378	48,981
7/9/2024	34.5	9.0	NO	41,073	0.1	9	NO		41,073
7/10/2024	34.7	1.0	NO	22,248	22.8	1	NO	375	22,623
7/11/2024	34.6	0.0	NO	29,867	0.1	0	NO	5	29,872
7/12/2024	34.5	0.0	NO	6,735	21.8	0	NO	377	7,112
7/13/2024	34.9	0.0	NO	28,551	0.0	0	NO		28,551
7/14/2024	34.9	0.0	NO	23,113	0.1	0	NO	1	23,114
7/15/2024	34.6	0.0	NO	38,440	22.5	0	NO	388	38,828
7/16/2024	34.8	0.0	NO	33,443	20.4	0	NO	372	33,816
7/17/2024	34.4	0.0	NO	29,753	0.1	0	NO		29,753
7/18/2024	34.6	0.0	NO	17,046	22.8	0	NO	438	17,484
7/19/2024	34.9	0.0	NO	19,845	0.1	0	NO		19,845
7/20/2024	35.0	0.0	NO	22,090	0.1	0	NO	1	22,090
7/21/2024	34.8	0.0	NO	23,743	22.6	0	NO	395	24,138
7/22/2024	34.4	0.0	NO	49,002	0.0	0	NO		49,002
7/23/2024	34.6	0.0	NO	36,348	23.3	0	NO	384	36,732
7/24/2024	34.7	0.0	NO	14,511	0.0	0	NO	5	14,516
7/25/2024	35.0	0.0	NO	14,630	22.6	0	NO	406	15,036
7/26/2024	34.9	0.0	NO	28,330	0.1	0	NO	3	28,333
7/27/2024	34.6	0.0	NO	44,078	24.6	0	NO	391	44,469
7/28/2024	34.6	0.0	NO	49,010	0.1	0	NO		49,010
7/29/2024	34.5	0.0	NO	48,605	23.4	0	NO	399	49,004
7/30/2024	34.6	0.0	NO	48,998	0.1	0	NO		48,998
7/31/2024	34.4	0.0	NO	45,134	22.3	0	NO	374	45,508

Max Daily Flow (Limit: 51,120):

49,010

Monthly Total:

936,277

8/1/2024	34.6	0.0	NO	34,770	0.0	0	NO		34,770
8/2/2024	34.8	0.0	NO	26,431	22.5	0	NO	366	26,797
8/3/2024	34.6	0.0	NO	39,800	0.1	0	NO		39,800
8/4/2024	34.7	0.0	NO	40,106	24.8	0	NO		40,106
8/5/2024	34.6	0.0	NO	45,353	0.1	0	NO	1	45,354
8/6/2024	34.5	0.0	NO	48,612	22.3	0	NO	376	48,988
8/7/2024	34.5	0.0	NO	47,848	0.0	0	NO		47,848
8/8/2024	34.5	0.0	NO	47,489	23.0	0	NO		47,489
8/9/2024	34.5	0.0	NO	14,437	24.8	0	NO	377	14,813
8/10/2024	35.4	1.0	NO	26,399	0.1	1	NO	377	26,775
8/11/2024	35.1	0.0	NO	25,994	0.0	0	NO		25,994
8/12/2024	34.4	0.0	NO	48,584	24.2	0	NO		48,584
8/13/2024	34.6	0.0	NO	41,145	20.7	0	NO	377	41,522
8/14/2024	35.2	0.0	NO	37,580	0.0	0	NO		37,580
8/15/2024	34.5	0.0	NO	48,608	23.0	0	NO	393	49,001
8/16/2024	34.7	0.0	NO	26,806	0.1	0	NO		26,806
8/17/2024	34.8	0.0	NO	37,481	24.3	0	NO		37,481
8/18/2024	34.5	0.0	NO	48,985	0.1	0	NO		48,985
8/19/2024	34.4	0.0	NO	29,842	24.3	0	NO		29,842
8/20/2024	35.0	0.0	NO	18,457	0.1	0	NO	1	18,458

Public

## PG&amp;E Gateway Generating Station

## Discharge Flow Data

July 2024-September 2024

Date	Industrial Flow				Sanitary Flow				Site Total (Gallons)
	Instantaneous Flow (GPM)	Time Over 39.05 GPM (minutes)	Did it ever go over 39.05 GPM for 15 mins?	Daily Total (Gallons)	Instantaneous Flow (GPM)	Time Meter went Bad Quality (minutes)	Did it ever go over 39.05 GPM for 15 mins?	Daily Total (Gallons)	
8/21/2024	34.8	0.0	NO	25,629	22.8	0	NO		25,629
8/22/2024	35.1	0.0	NO	33,196	0.0	0	NO		33,196
8/23/2024	34.5	0.0	NO	48,620	24.0	0	NO		48,620
8/24/2024	35.1	0.0	NO	31,579	0.1	0	NO		31,579
8/25/2024	35.0	0.0	NO	39,272	24.9	0	NO		39,272
8/26/2024	34.6	0.0	NO	42,027	24.9	0	NO	261	42,289
8/27/2024	35.0	0.0	NO	22,261	24.9	0	NO	361	22,622
8/28/2024	35.0	0.0	NO	12,680	0.1	0	NO		12,680
8/29/2024	34.8	0.0	NO	33,471	23.8	0	NO	393	33,864
8/30/2024	36.1	0.0	NO	37,620	0.0	0	NO		37,620
8/31/2024	34.9	0.0	NO	34,433	0.1	0	NO		34,433

Max Daily Flow (Limit: 51,120): 49,001

Monthly Total: 1,098,801

9/1/2024	34.7	0.0	NO	38,051	24.4	0	NO	387	38,438
9/2/2024	35.0	0.0	NO	36,159	0.1	0	NO		36,159
9/3/2024	20.4	0.0	NO	16,684	0.1	0	NO		16,684
9/4/2024	34.4	0.0	NO	36,468	24.7	0	NO	379	36,847
9/5/2024	34.9	0.0	NO	26,360	21.9	0	NO	279	26,638
9/6/2024	34.5	0.0	NO	35,089	20.4	0	NO	118	35,207
9/7/2024	34.6	0.0	NO	44,156	0.1	0	NO		44,156
9/8/2024	34.5	0.0	NO	45,208	25.1	0	NO	391	45,600
9/9/2024	34.5	0.0	NO	47,686	21.7	0	NO	364	48,049
9/10/2024	34.4	1.0	NO	40,675	0.0	1	NO		40,675
9/11/2024	34.9	0.0	NO	31,965	22.2	0	NO	398	32,363
9/12/2024	34.5	0.0	NO	48,593	23.4	0	NO	411	49,005
9/13/2024	34.9	0.0	NO	36,778	0.0	0	NO		36,778
9/14/2024	35.0	0.0	NO	37,271	23.8	0	NO	409	37,680
9/15/2024	35.0	0.0	NO	33,583	0.0	0	NO		33,583
9/16/2024	34.5	0.0	NO	48,688	0.0	0	NO		48,688
9/17/2024	34.7	0.0	NO	48,622	12.6	0	NO	372	48,994
9/18/2024	34.9	0.0	NO	42,549	22.9	0	NO	471	43,020
9/19/2024	34.5	0.0	NO	49,001	0.0	0	NO		49,001
9/20/2024	34.5	0.0	NO	45,070	22.9	0	NO	425	45,495
9/21/2024	35.1	0.0	NO	22,434	0.1	0	NO		22,434
9/22/2024	34.8	0.0	NO	45,123	0.0	0	NO		45,123
9/23/2024	35.2	0.0	NO	17,469	23.8	0	NO	412	17,882
9/24/2024	34.8	0.0	NO	29,806	0.1	0	NO	1	29,807
9/25/2024	35.0	0.0	NO	38,793	21.0	0	NO	392	39,185
9/26/2024	34.7	0.0	NO	23,396	10.7	0	NO	375	23,771
9/27/2024	34.9	0.0	NO	14,305	0.1	0	NO	2	14,307
9/28/2024	35.2	0.0	NO	22,352	23.1	0	NO	464	22,816
9/29/2024	34.8	0.0	NO	36,030	0.1	0	NO		36,030
9/30/2024	34.6	0.0	NO	45,485	0.1	0	NO	434	45,919

Max Daily Flow (Limit: 51,120): 49,005

Monthly Total: 1,090,334

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: **2024**

Month	Flow (gallons)	Due Date
January		
February		
March		
April		
May		
June		
July	936,277	10/15/2024
August	1,098,801	10/15/2024
September	1,090,334	10/15/2024
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 2024 to September 2024

WSAC Operation	
Month	Hours of Operation
January-24	
February-24	
March-24	
April-24	
May-24	
June-24	
July-24	501.25
August-24	416.75
September-24	241.08
October-24	
November-24	
December-24	

Attachment 7  
Cycles of Concentration



PG&E Gateway Generating Station

WSAC Average Daily Blowdown Cycles Report  
July 2024 to September 2024

WSAC Operation	
Month	Average Daily Blowdown Cycles
January-24	
February-24	
March-24	
April-24	
May-24	
June-24	
July-24	5.23
August-24	3.74
September-24	3.00
October-24	
November-24	
December-24	

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:** 2409065

**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 2024)

**Project Location:** Combined Site Flow

**Project Received:** 09/04/2024

Analytical Report reviewed & approved for release on 09/13/2024 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:** 2409065

**Project:** Quarterly Sampling (September 2024)

### 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 <sup>1</sup>
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 <sup>2</sup>
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

<sup>1</sup> 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.

<sup>2</sup> 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:** 2409065

**Project:** Quarterly Sampling (September 2024)

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 Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
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.
b7	Lighter than water immiscible sheen/product is present—sheen constituents not included in result.
b9	Sediment observed in aqueous sample prior to extraction.
m1	Based on the method limit threshold, the sample tested produced a result below the threshold of 2.5mg of dried residue.



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 09/04/2024 11:17  
**Date Prepared:** 09/10/2024  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**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	2409065-001A	Water	09/03/2024 08:55	O&G	301524

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
SGT-HEM	ND	1.6	4.8	1	09/10/2024 11:25

Analyst(s): LAM

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2409065-002A	Water	09/04/2024 09:05	O&G	301524

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
SGT-HEM	ND	1.6	4.9	1	09/10/2024 11:30

Analyst(s): LAM



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 09/04/2024 11:17  
**Date Prepared:** 09/10/2024  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**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	2409065-001B	Water	09/03/2024 08:55	O&G	301524

Analytes	Result	MDL	RL	DF	Date Analyzed
HEM	ND	1.5	4.8	1	09/10/2024 12:10

Analyst(s): LAM

Analytical Comments: b9

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2409065-002B	Water	09/04/2024 09:05	O&G	301524

Analytes	Result	MDL	RL	DF	Date Analyzed
HEM	32.7	1.5	4.8	1	09/10/2024 11:35

Analyst(s): LAM

Analytical Comments: b7





## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 09/04/2024 11:17  
**Date Prepared:** 09/09/2024  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**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	2409065-002K	Water	09/04/2024 09:00	WC_SKALAR 240909B1_126	301431

Analytes	Result	MDL	RL	DF	Date Analyzed
Ammonia, total as N	45	1.8	2.0	20	09/09/2024 17:36

Analyst(s): IGC



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 09/04/2024 11:17  
**Date Prepared:** 09/05/2024  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**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	2409065-002E	Water	09/04/2024 09:00		WetChem	301210

<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	09/10/2024 10:13

Analyst(s): JRA



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 09/04/2024 11:17  
**Date Prepared:** 09/10/2024  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**Extraction Method:** SM4500-CN<sup>-</sup> E  
**Analytical Method:** SM4500-CN<sup>-</sup> CE  
**Unit:** µg/L

### Cyanide, Total

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2409065-002D	Water	09/04/2024 09:05	WC_Skalar3 240910A0_39	301533

Analytes	Result	MDL	RL	DE	Date Analyzed
Total Cyanide	3.2	0.58	1.0	1	09/10/2024 14:48

Analyst(s): JRA



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 09/04/2024 11:17  
**Date Prepared:** 09/11/2024  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**Extraction Method:** SM5220 D  
**Analytical Method:** SM5220 D  
**Unit:** mg/L

### Chemical Oxygen Demand (COD) as mg O<sub>2</sub> /L

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
E-001	2409065-002F	Water	09/04/2024 09:00		SPECTROPHOTOMETER2	301646

Analytes	Result	MDL	RL	DF	Date Analyzed
COD	36	4.8	10	1	09/11/2024 17:14

Analyst(s): IGC



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 09/04/2024 11:17  
**Date Prepared:** 09/05/2024  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**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	2409065-002I	Water	09/04/2024 09:00	AA1 _17	301273

Analytes	Result	MDL	RL	DE	Date Analyzed
Mercury	ND	0.12	0.20	1	09/05/2024 18:57

Analyst(s): MJA



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 09/04/2024 11:17  
**Date Prepared:** 09/04/2024  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**Extraction Method:** E200.8  
**Analytical Method:** E200.8  
**Unit:** µg/L

### Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2409065-002J	Water	09/04/2024 09:00	ICP-MS4 278SMPL.d	301157

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Arsenic	0.76		0.077	0.50	1	09/06/2024 02:25
Cadmium	ND		0.061	0.50	1	09/06/2024 02:25
Chromium	ND		0.33	2.0	1	09/06/2024 02:25
Copper	4.1		0.63	1.5	1	09/06/2024 02:25
Iron	120		21	50	1	09/06/2024 02:25
Lead	0.21	J	0.21	0.50	1	09/06/2024 02:25
Molybdenum	17		0.18	0.50	1	09/06/2024 02:25
Nickel	0.89		0.24	0.50	1	09/06/2024 02:25
Selenium	0.19	J	0.17	0.50	1	09/06/2024 02:25
Silver	ND		0.058	0.50	1	09/06/2024 02:25
Zinc	110		11	20	1	09/06/2024 02:25

Surrogates	REC (%)	Limits
Terbium	104	70-130

Analyst(s): AL



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 09/04/2024 11:17  
**Date Prepared:** 09/05/2024  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**Extraction Method:** E420.4  
**Analytical Method:** E420.4  
**Unit:** µg/L

### Phenolics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2409065-002C	Water	09/04/2024 09:05	WC_SKALAR 240905C1_22	301247

Analytes	Result	MDL	RL	DF	Date Analyzed
Phenolics	ND	1.5	2.0	1	09/05/2024 15:47

Analyst(s): IGC



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 09/04/2024 11:17  
**Date Prepared:** 09/10/2024  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**Extraction Method:** SM2540 C-  
**Analytical Method:** SM2540 C  
**Unit:** mg/L

### Total Dissolved Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2409065-002G	Water	09/04/2024 09:00	WetChem	301525

Analytes	Result	MDL	RL	DE	Date Analyzed
Total Dissolved Solids	510	10.0	10.0	1	09/10/2024 16:55

Analyst(s): JME





## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 09/04/2024 11:17  
**Date Prepared:** 09/05/2024  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**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	2409065-002H	Water	09/04/2024 09:00	WetChem	301214

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Suspended Solids	1.00	1.00	1.00	1	09/05/2024 13:20

Analyst(s): ISH

Analytical Comments: m1



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 09/10/2024  
**Date Analyzed:** 09/10/2024  
**Instrument:** O&G  
**Matrix:** Water  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**BatchID:** 301524  
**Extraction Method:** E1664A\_SG  
**Analytical Method:** E1664A  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-301524

### QC Summary Report for E1664A

Analyte	MB Result	MDL	RL			
HEM	ND	1.6	5.0	-	-	-
SGT-HEM	ND	1.7	5.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
HEM	20	21	20.83	95	99	78-114	3.41	30
SGT-HEM	6.9	7.7	10.42	66	74	64-132	10.8	30



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 09/09/2024  
**Date Analyzed:** 09/09/2024  
**Instrument:** WC\_SKALAR  
**Matrix:** Water  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**BatchID:** 301431  
**Extraction Method:** SM4500-NH3 BG  
**Analytical Method:** SM4500-NH3 BG  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-301431

### QC Summary Report for SM4500-NH3

Analyte	MB Result	MDL	RL			
Ammonia, total as N	ND	0.089	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Ammonia, total as N	4.0	4.2	4	100	106	90-110	5.48	10



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 09/05/2024  
**Date Analyzed:** 09/10/2024  
**Instrument:** WetChem  
**Matrix:** Water  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**BatchID:** 301210  
**Extraction Method:** SM5210B  
**Analytical Method:** SM5210 B  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-301210

### 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	114	115	84-115	0.879	16



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 09/10/2024  
**Date Analyzed:** 09/10/2024  
**Instrument:** WC\_Skalar3  
**Matrix:** Water  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**BatchID:** 301533  
**Extraction Method:** SM4500-CN<sup>-</sup> E  
**Analytical Method:** SM4500-CN<sup>-</sup> CE  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-301533

### QC Summary Report for SM4500-CN<sup>-</sup> 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	RPD Limit
Total Cyanide	48	50	50	96	100	90-110	3.41	20



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 09/11/2024  
**Date Analyzed:** 09/11/2024  
**Instrument:** SPECTROPHOTOMETER2  
**Matrix:** Water  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**BatchID:** 301646  
**Extraction Method:** SM5220 D  
**Analytical Method:** SM5220 D  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-301646  
2409065-002FMS/MSD

### QC Summary Report for COD

Analyte	MB Result	MDL	RL			
COD	ND	4.8	10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
COD	100	110	100	100	108	90-110	7.69	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
COD	1	120	120	100	36.00	86	86	80-120	0	20



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 09/05/2024  
**Date Analyzed:** 09/05/2024  
**Instrument:** AA1  
**Matrix:** Water  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**BatchID:** 301273  
**Extraction Method:** E245.2  
**Analytical Method:** E245.2  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-301273  
2409065-002IMS/MSD

### QC Summary Report for Mercury

Analyte	MB Result	MDL	RL			
Mercury	ND	0.12	0.20	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Mercury	2.1	1.9	2	105	93	85-115	12.5	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Mercury	1	2.2	2.1	2	ND	108	106	80-120	1.45	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  
**Date Prepared:** 09/04/2024  
**Date Analyzed:** 09/05/2024  
**Instrument:** ICP-MS4  
**Matrix:** Water  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**BatchID:** 301157  
**Extraction Method:** E200.8  
**Analytical Method:** E200.8  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-301157

### QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.077	0.50	-	-	-
Cadmium	ND	0.061	0.50	-	-	-
Chromium	ND	0.33	2.0	-	-	-
Copper	ND	0.63	1.5	-	-	-
Iron	ND	21	50	-	-	-
Lead	ND	0.21	0.50	-	-	-
Molybdenum	ND	0.18	0.50	-	-	-
Nickel	ND	0.24	0.50	-	-	-
Selenium	ND	0.17	0.50	-	-	-
Silver	ND	0.058	0.50	-	-	-
Zinc	ND	11	20	-	-	-

#### Surrogate Recovery

Terbium	520	500	104	70-130
---------	-----	-----	-----	--------

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	53	52	50	105	103	85-115	2.13	20
Cadmium	52	51	50	103	102	85-115	0.894	20
Chromium	52	52	50	103	104	85-115	0.525	20
Copper	53	52	50	106	105	85-115	1.53	20
Iron	5200	5200	5000	104	105	85-115	0.510	20
Lead	51	50	50	101	101	85-115	0.430	20
Molybdenum	50	50	50	101	100	85-115	1.42	20
Nickel	52	52	50	104	104	85-115	0.496	20
Selenium	51	51	50	103	103	85-115	0.119	20
Silver	52	50	50	103	100	85-115	2.75	20
Zinc	530	520	500	107	104	85-115	2.25	20

#### Surrogate Recovery

Terbium	520	520	500	104	103	70-130	1.44	20
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## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 09/05/2024  
**Date Analyzed:** 09/05/2024  
**Instrument:** WC\_SKALAR  
**Matrix:** Water  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**BatchID:** 301247  
**Extraction Method:** E420.4  
**Analytical Method:** E420.4  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-301247

### 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	41	41	40	102	102	90-110	0.0341	20



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 09/10/2024  
**Date Analyzed:** 09/10/2024  
**Instrument:** WetChem  
**Matrix:** Water  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**BatchID:** 301525  
**Extraction Method:** SM2540 C-  
**Analytical Method:** SM2540 C  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-301525

### 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	1080	1050	1000	108	105	80-120	2.64	10



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 09/05/2024  
**Date Analyzed:** 09/05/2024  
**Instrument:** WetChem  
**Matrix:** Water  
**Project:** Quarterly Sampling (September 2024)

**WorkOrder:** 2409065  
**BatchID:** 301214  
**Extraction Method:** SM2540 D  
**Analytical Method:** SM2540 D  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-301214

### 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	100	99.0	100	100	99	80-120	1.01	10



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

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 2409065

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: APSD@pge.com; MSFG@pge.com; T1WY  
PO:  
Project: Quarterly Sampling (September 2024)

**Bill to:**

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

**Requested TATs: 5 days;  
7 days;**

*Date Received:* **09/04/2024**

*Date Logged:* **09/04/2024**

Lab ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2409065-001	E-001	Water	9/3/2024 08:55	<input type="checkbox"/>	A	B								A		
2409065-002	E-001	Water	9/4/2024 09:00	<input type="checkbox"/>			K	E		F	I	J			G	H
2409065-002	E-001	Water	9/4/2024 09:05	<input type="checkbox"/>	A	B			D				C	A		

**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

<b>Client Name:</b> PG&E GATEWAY GENERATING STATION <b>Client Contact:</b> Angel Espiritu <b>Contact's Email:</b> abe4@pge.com	<b>Project:</b> Quarterly Sampling (September 2024)  <b>Comments</b>	<b>Work Order:</b> 2409065 <b>QC Level:</b> LEVEL 2 <b>Date Logged:</b> 9/4/2024
--	--	--

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LabID	ClientSampID	Matrix	Test Name	Cont./Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001	Water	E1664A (SGT- HEM; Non-polar Material)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/3/2024 8:55	5 days	9/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
				1	aVOA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>
001B	E-001	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/3/2024 8:55	5 days	9/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
				1	aVOA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>
002A	E-001	Water	E1664A (SGT- HEM; Non-polar Material)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/4/2024 9:05	5 days	9/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
				1	aVOA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>
002B	E-001	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/4/2024 9:05	5 days	9/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
				1	aVOA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>
002C	E-001	Water	E420.4 (Phenolics)	1	500mL aG w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/4/2024 9:05	5 days	9/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
002D	E-001	Water	SM4500-CN <sup>-</sup> CE (Cyanide, Total)	1	250mL aHDPE w/ NaOH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/4/2024 9:05	5 days	9/11/2024	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.



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

## WORK ORDER SUMMARY

**Client Name:** PG&E GATEWAY GENERATING STATION

**Project:** Quarterly Sampling (September 2024)

**Work Order:** 2409065

**Client Contact:** Angel Espiritu

**QC Level:** LEVEL 2

**Contact's Email:** abe4@pge.com

**Comments**

**Date Logged:** 9/4/2024

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LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
002E	E-001	Water	SM5210B (BOD)	1	500mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/4/2024 9:00	7 days	9/13/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
002F	E-001	Water	SM5220D (COD)	2	aVOA w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/4/2024 9:00	5 days	9/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
002G	E-001	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/4/2024 9:00	5 days	9/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
002H	E-001	Water	SM2540D (TSS)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/4/2024 9:00	5 days	9/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
002I	E-001	Water	E245.2 (Mercury)	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/4/2024 9:00	5 days	9/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
002J	E-001	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"/>	9/4/2024 9:00	5 days	9/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
002K	E-001	Water	SM4500-NH3 BG (Ammonia Nitrogen)	1	250mL aG w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/4/2024 9:00	5 days	9/11/2024	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.



Page 28 of 29



## Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station  
Project: Quarterly Sampling (September 2024)

Date and Time Received: 9/4/2024 11:17  
Date Logged: 9/4/2024  
Received by: Agustina Venegas  
Logged by: Adrianna Cardoza

WorkOrder No: 2409065 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: 0.8°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)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/> pH Lot#: HC439975
Lot Expiration: 1/31/2028			

### 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:** 2409240

**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 2024)

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

**Project Received:** 09/04/2024

Analytical Report reviewed & approved for release on 09/11/2024 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:** 2409240

**Project:** pH sampling (September 2024)

### 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 <sup>1</sup>
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 <sup>2</sup>
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

<sup>1</sup> 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.

<sup>2</sup> 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:** 2409240

**Project:** pH sampling (September 2024)

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 Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 09/04/2024 11:17  
**Date Prepared:** 09/03/2024  
**Project:** pH sampling (September 2024)

**WorkOrder:** 2409240  
**Extraction Method:** SM4500H+B  
**Analytical Method:** SM4500H+B  
**Unit:** pH units

### pH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2409240-001A	Water	09/03/2024 08:53	WetChem	301587

Analytes	Result	Accuracy	DF	Date Analyzed
pH	8.49	±0.05	1	09/03/2024 08:54

Analyst(s): ISH



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2409240

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 2024)

Bill to:

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

Requested TAT: 5 days;

Date Received: 09/04/2024  
Date Logged: 09/06/2024

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2409240-001	E-001	Water	9/3/2024 08:53	<input type="checkbox"/>	A	A										

Test Legend:

1	PH_W_SANJIV	2	PRDisposal Fee	3		4	
5		6		7		8	
9		10		11		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.



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  
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## WORK ORDER SUMMARY

**Client Name:** PG&E GATEWAY GENERATING STATION

**Project:** pH sampling (September 2024)

**Work Order:** 2409240

**Client Contact:** Sanjiv Gill

**QC Level:** LEVEL 2

**Contact's Email:** sanjivgill@comcast.net

**Comments:**

**Date Logged:** 9/6/2024

☐ WaterTrax

☐ CLIP

☐ EDF

☐ Excel

☐ EQUIS

☒ Email

☐ HardCopy

☐ ThirdParty

☒ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	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"/>	9/3/2024 8:53	5 days	9/11/2024		<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.





## Logbook for Field pH Samples

[illegible]



## Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station  
Project: pH sampling (September 2024)

Date and Time Received: 9/4/2024 11:17  
Date Logged: 9/6/2024  
Received by: Agustina Venegas  
Logged by: Agustina Venegas

WorkOrder №: 2409240 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)?	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:** 2409058

**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 2024)

**Project Location:** Combined Site Flow

**Project Received:** 09/04/2024

Analytical Report reviewed & approved for release on 09/11/2024 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:** 2409058

**Project:** Semi-Annual Sampling (September 2024)

### 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 <sup>1</sup>
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 <sup>2</sup>
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

<sup>1</sup> 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.

<sup>2</sup> 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:** 2409058

**Project:** Semi-Annual Sampling (September 2024)

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 Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
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.
P	Agreement between the quantitative dual-column confirmation results exceed method recommended limits of 40% RPD. The lowest concentration is reported.
h1	Florisil (EPA 3620) cleanup

### 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:** 09/04/2024 11:17  
**Date Prepared:** 09/04/2024  
**Project:** Semi-Annual Sampling (September 2024)

**WorkOrder:** 2409058  
**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	2409058-001D	Water	09/04/2024 09:05	GC40 09092418.d	301132

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00078	0.0010	1	09/09/2024 14:47
a-BHC	ND		0.0010	0.0020	1	09/09/2024 14:47
b-BHC	ND		0.00081	0.0020	1	09/09/2024 14:47
d-BHC	ND		0.00057	0.0020	1	09/09/2024 14:47
g-BHC	ND		0.00063	0.0020	1	09/09/2024 14:47
Chlordane (Technical)	ND		0.014	0.050	1	09/09/2024 14:47
p,p-DDD	ND		0.00051	0.0010	1	09/09/2024 14:47
p,p-DDE	ND		0.00060	0.0010	1	09/09/2024 14:47
p,p-DDT	ND		0.00063	0.0010	1	09/09/2024 14:47
Dieldrin	ND		0.00042	0.0010	1	09/09/2024 14:47
Endosulfan I	ND		0.00043	0.0010	1	09/09/2024 14:47
Endosulfan II	0.0013	P	0.00054	0.0010	1	09/09/2024 14:47
Endosulfan sulfate	ND		0.00053	0.0020	1	09/09/2024 14:47
Endrin	ND		0.00055	0.0010	1	09/09/2024 14:47
Endrin aldehyde	ND		0.00042	0.0010	1	09/09/2024 14:47
Heptachlor	ND		0.00067	0.0010	1	09/09/2024 14:47
Heptachlor epoxide	ND		0.00065	0.0010	1	09/09/2024 14:47
Toxaphene	ND		0.020	0.050	1	09/09/2024 14:47
Aroclor1016	ND		0.018	0.050	1	09/09/2024 14:47
Aroclor1221	ND		0.018	0.050	1	09/09/2024 14:47
Aroclor1232	ND		0.018	0.050	1	09/09/2024 14:47
Aroclor1242	ND		0.018	0.050	1	09/09/2024 14:47
Aroclor1248	ND		0.018	0.050	1	09/09/2024 14:47
Aroclor1254	ND		0.018	0.050	1	09/09/2024 14:47
Aroclor1260	ND		0.018	0.050	1	09/09/2024 14:47
PCBs, total	ND		NA	0.050	1	09/09/2024 14:47

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	97	60-130	09/09/2024 14:47
Analyst(s): EEV		Analytical Comments: h1	



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 09/04/2024 11:17  
**Date Prepared:** 09/04/2024  
**Project:** Semi-Annual Sampling (September 2024)

**WorkOrder:** 2409058  
**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	2409058-001B	Water	09/04/2024 09:05	GC10 09042409.D	301234

Analytes	Result	MDL	RL	DF	Date Analyzed
Acrolein (Propenal)	ND	3.7	5.0	1	09/04/2024 18:56
Acrylonitrile	ND	0.27	2.0	1	09/04/2024 18:56
2-Chloroethyl Vinyl Ether	ND	0.52	1.0	1	09/04/2024 18:56

Surrogates	REC (%)	Limits
Dibromofluoromethane	100	70-130

**Analyst(s):** MSH





## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 09/04/2024 11:17  
**Date Prepared:** 09/10/2024  
**Project:** Semi-Annual Sampling (September 2024)

**WorkOrder:** 2409058  
**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	2409058-001A	Water	09/04/2024 09:05			GC45 09092432.D	301526
<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>		
Benzene	ND	0.035	0.20	1	09/10/2024 04:05		
Bromodichloromethane	1.6	0.035	0.050	1	09/10/2024 04:05		
Bromoform	17	0.24	0.50	1	09/10/2024 04:05		
Bromomethane	ND	0.25	0.50	1	09/10/2024 04:05		
Carbon tetrachloride	ND	0.034	0.050	1	09/10/2024 04:05		
Chlorobenzene	ND	0.095	0.50	1	09/10/2024 04:05		
Chloroethane	ND	0.25	0.50	1	09/10/2024 04:05		
Chloroform	0.97	0.043	0.10	1	09/10/2024 04:05		
Chloromethane	ND	0.16	0.50	1	09/10/2024 04:05		
Dibromochloromethane	1.4	0.073	0.15	1	09/10/2024 04:05		
1,2-Dichlorobenzene	ND	0.10	0.50	1	09/10/2024 04:05		
1,3-Dichlorobenzene	ND	0.14	0.50	1	09/10/2024 04:05		
1,4-Dichlorobenzene	ND	0.089	0.50	1	09/10/2024 04:05		
1,1-Dichloroethane	ND	0.14	0.50	1	09/10/2024 04:05		
1,2-Dichloroethane (1,2-DCA)	ND	0.0093	0.020	1	09/10/2024 04:05		
1,1-Dichloroethene	0.018	0.0058	0.010	1	09/10/2024 04:05		
trans-1,2-Dichloroethene	ND	0.15	0.50	1	09/10/2024 04:05		
1,2-Dichloropropane	ND	0.039	0.10	1	09/10/2024 04:05		
cis-1,3-Dichloropropene	ND	0.13	0.50	1	09/10/2024 04:05		
trans-1,3-Dichloropropene	ND	0.20	0.50	1	09/10/2024 04:05		
Ethylbenzene	ND	0.10	0.50	1	09/10/2024 04:05		
Methylene chloride	ND	1.5	2.0	1	09/10/2024 04:05		
1,1,2,2-Tetrachloroethane	ND	0.015	0.020	1	09/10/2024 04:05		
Tetrachloroethene	ND	0.036	0.20	1	09/10/2024 04:05		
Toluene	ND	0.10	0.50	1	09/10/2024 04:05		
1,1,1-Trichloroethane	ND	0.13	0.50	1	09/10/2024 04:05		
1,1,2-Trichloroethane	ND	0.032	0.10	1	09/10/2024 04:05		
Trichloroethene	ND	0.034	0.10	1	09/10/2024 04:05		
Trichlorofluoromethane	ND	0.14	0.50	1	09/10/2024 04:05		
Vinyl chloride	ND	0.0044	0.0050	1	09/10/2024 04:05		

(Cont.)



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 09/04/2024 11:17  
**Date Prepared:** 09/10/2024  
**Project:** Semi-Annual Sampling (September 2024)

**WorkOrder:** 2409058  
**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	2409058-001A	Water	09/04/2024 09:05	GC45 09092432.D	301526

Analytes	Result	MDL	RL	DF	Date Analyzed
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Dibromofluoromethane	96		70-130		09/10/2024 04:05
Toluene-d8	96		70-130		09/10/2024 04:05
4-BFB	81		70-130		09/10/2024 04:05

Analyst(s): CLO



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 09/04/2024 11:17  
**Date Prepared:** 09/04/2024  
**Project:** Semi-Annual Sampling (September 2024)

**WorkOrder:** 2409058  
**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	2409058-001C	Water	09/04/2024 09:05			GC47 09052425.D	301113
Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed	
Acenaphthene	ND		0.0028	0.0048	1	09/05/2024 18:34	
Acenaphthylene	ND		0.0017	0.0048	1	09/05/2024 18:34	
Anthracene	0.0021	J	0.0019	0.0048	1	09/05/2024 18:34	
Benidine	ND		2.6	4.8	1	09/05/2024 18:34	
Benzo (a) anthracene	ND		0.019	0.048	1	09/05/2024 18:34	
Benzo (a) pyrene	ND		0.0048	0.0048	1	09/05/2024 18:34	
Benzo (b) fluoranthene	ND		0.0051	0.0095	1	09/05/2024 18:34	
Benzo (g,h,i) perylene	ND		0.0037	0.0095	1	09/05/2024 18:34	
Benzo (k) fluoranthene	ND		0.0048	0.0095	1	09/05/2024 18:34	
Bis (2-chloroethoxy) Methane	ND		0.49	0.95	1	09/05/2024 18:34	
Bis (2-chloroethyl) Ether	ND		0.0048	0.0048	1	09/05/2024 18:34	
Bis (2-chloroisopropyl) Ether	ND		0.0047	0.0095	1	09/05/2024 18:34	
4-Bromophenyl Phenyl Ether	ND		0.28	0.95	1	09/05/2024 18:34	
Butylbenzyl Phthalate	ND		0.077	0.24	1	09/05/2024 18:34	
4-Chloro-3-methylphenol	ND		0.56	0.95	1	09/05/2024 18:34	
2-Chloronaphthalene	ND		0.53	0.95	1	09/05/2024 18:34	
4-Chlorophenyl Phenyl Ether	ND		0.47	0.95	1	09/05/2024 18:34	
Chrysene	ND		0.0026	0.0048	1	09/05/2024 18:34	
Dibenzo (a,h) anthracene	ND		0.0050	0.0095	1	09/05/2024 18:34	
Di-n-butyl Phthalate	0.075	J	0.074	0.24	1	09/05/2024 18:34	
1,2-Dichlorobenzene	ND		0.51	0.95	1	09/05/2024 18:34	
1,3-Dichlorobenzene	ND		0.56	0.95	1	09/05/2024 18:34	
1,4-Dichlorobenzene	ND		0.42	0.95	1	09/05/2024 18:34	
3,3-Dichlorobenzidine	ND		0.0059	0.0095	1	09/05/2024 18:34	
2,4-Dichlorophenol	ND		0.0053	0.0095	1	09/05/2024 18:34	
Diethyl Phthalate	0.029	J	0.020	0.048	1	09/05/2024 18:34	
2,4-Dimethylphenol	ND		0.51	0.95	1	09/05/2024 18:34	
Dimethyl Phthalate	0.013		0.0056	0.0095	1	09/05/2024 18:34	
4,6-Dinitro-2-methylphenol	ND		3.5	4.8	1	09/05/2024 18:34	
2,4-Dinitrophenol	ND		0.65	0.95	1	09/05/2024 18:34	
2,4-Dinitrotoluene	ND		0.026	0.048	1	09/05/2024 18:34	
2,6-Dinitrotoluene	ND		0.029	0.048	1	09/05/2024 18:34	
Di-n-octyl Phthalate	ND		1.1	2.4	1	09/05/2024 18:34	
1,2-Diphenylhydrazine	ND		0.40	0.95	1	09/05/2024 18:34	
Fluoranthene	0.0097		0.0036	0.0095	1	09/05/2024 18:34	
Fluorene	0.0026	J	0.0017	0.0095	1	09/05/2024 18:34	

(Cont.)



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 09/04/2024 11:17  
**Date Prepared:** 09/04/2024  
**Project:** Semi-Annual Sampling (September 2024)

**WorkOrder:** 2409058  
**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	2409058-001C	Water	09/04/2024 09:05	GC47 09052425.D	301113

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Hexachlorobenzene	ND		0.0016	0.0048	1	09/05/2024 18:34
Hexachlorobutadiene	ND		0.0010	0.0048	1	09/05/2024 18:34
Hexachlorocyclopentadiene	ND		2.2	4.8	1	09/05/2024 18:34
Hexachloroethane	ND		0.0032	0.0095	1	09/05/2024 18:34
Indeno (1,2,3-cd) pyrene	ND		0.0067	0.0095	1	09/05/2024 18:34
Isophorone	ND		0.43	0.95	1	09/05/2024 18:34
Naphthalene	ND		0.0060	0.0095	1	09/05/2024 18:34
Nitrobenzene	ND		0.58	0.95	1	09/05/2024 18:34
2-Nitrophenol	ND		2.9	4.8	1	09/05/2024 18:34
4-Nitrophenol	ND		3.4	4.8	1	09/05/2024 18:34
N-Nitrosodimethylamine	ND		3.4	4.8	1	09/05/2024 18:34
N-Nitrosodiphenylamine	ND		0.34	0.95	1	09/05/2024 18:34
N-Nitrosodi-n-propylamine	ND		0.57	0.95	1	09/05/2024 18:34
Pentachlorophenol	ND		0.15	0.24	1	09/05/2024 18:34
Phenanthrene	0.011		0.0034	0.0048	1	09/05/2024 18:34
Phenol	0.12		0.018	0.038	1	09/05/2024 18:34
Pyrene	0.0050		0.0027	0.0048	1	09/05/2024 18:34
1,2,4-Trichlorobenzene	ND		0.50	0.95	1	09/05/2024 18:34
2,4,6-Trichlorophenol	ND		0.0051	0.0095	1	09/05/2024 18:34

Surrogates	REC (%)	Limits	
2-Fluorophenol	38	30-130	09/05/2024 18:34
Phenol-d5	22	20-130	09/05/2024 18:34
Nitrobenzene-d5	61	60-130	09/05/2024 18:34
2-Fluorobiphenyl	62	50-130	09/05/2024 18:34
2,4,6-Tribromophenol	83	60-140	09/05/2024 18:34
4-Terphenyl-d14	71	40-130	09/05/2024 18:34

**Analyst(s):** AK



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 09/04/2024  
**Date Analyzed:** 09/04/2024 - 09/06/2024  
**Instrument:** GC40  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (September 2024)

**WorkOrder:** 2409058  
**BatchID:** 301132  
**Extraction Method:** E608.3/SW3620B  
**Analytical Method:** E608.3  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-301132

### 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	0.00078	0.0010	-	-	-
a-BHC	ND	0.0010	0.0020	-	-	-
b-BHC	ND	0.00081	0.0020	-	-	-
d-BHC	ND	0.00057	0.0020	-	-	-
g-BHC	0.0018,J	0.00063	0.0020	-	-	-
Chlordane (Technical)	ND	0.014	0.050	-	-	-
a-Chlordane	ND	0.00047	0.0010	-	-	-
g-Chlordane	ND	0.00048	0.0010	-	-	-
p,p-DDD	ND	0.00051	0.0010	-	-	-
p,p-DDE	ND	0.00060	0.0010	-	-	-
p,p-DDT	ND	0.00063	0.0010	-	-	-
Dieldrin	ND	0.00042	0.0010	-	-	-
Endosulfan I	ND	0.00043	0.0010	-	-	-
Endosulfan II	ND	0.00054	0.0010	-	-	-
Endosulfan sulfate	ND	0.00053	0.0020	-	-	-
Endrin	ND	0.00055	0.0010	-	-	-
Endrin aldehyde	ND	0.00042	0.0010	-	-	-
Endrin ketone	ND	0.00058	0.0010	-	-	-
Heptachlor	ND	0.00067	0.0010	-	-	-
Heptachlor epoxide	ND	0.00065	0.0010	-	-	-
Methoxychlor	ND	0.00052	0.0010	-	-	-
Toxaphene	ND	0.020	0.050	-	-	-
Aroclor1016	ND	0.018	0.050	-	-	-
Aroclor1221	ND	0.018	0.050	-	-	-
Aroclor1232	ND	0.018	0.050	-	-	-
Aroclor1242	ND	0.018	0.050	-	-	-
Aroclor1248	ND	0.018	0.050	-	-	-
Aroclor1254	ND	0.018	0.050	-	-	-
Aroclor1260	ND	0.018	0.050	-	-	-
<b>Surrogate Recovery</b>						
Decachlorobiphenyl	0.032			0.05	64	60-130

(Cont.)



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 09/04/2024  
**Date Analyzed:** 09/04/2024 - 09/06/2024  
**Instrument:** GC40  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (September 2024)

**WorkOrder:** 2409058  
**BatchID:** 301132  
**Extraction Method:** E608.3/SW3620B  
**Analytical Method:** E608.3  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-301132

### 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	0.039	0.038	0.050	78	77	54-130	2.05	20
a-BHC	0.053	0.052	0.050	107	105	70-130	2.00	20
b-BHC	0.047	0.046	0.050	94	92	70-130	1.75	20
d-BHC	0.047	0.047	0.050	95	94	70-130	0.562	20
g-BHC	0.052	0.051	0.050	105	103	60-130	1.77	20
a-Chlordane	0.047	0.047	0.050	95	93	55-130	1.66	20
g-Chlordane	0.041	0.041	0.050	83	82	55-130	0.876	20
p,p-DDD	0.061	0.061	0.050	122	122	70-130	0.387	20
p,p-DDE	0.057	0.056	0.050	114	112	70-130	1.41	20
p,p-DDT	0.060	0.060	0.050	120	120	70-130	0.0336	20
Dieldrin	0.054	0.053	0.050	107	106	70-130	1.36	20
Endosulfan I	0.048	0.047	0.050	97	95	70-130	1.98	20
Endosulfan II	0.052	0.052	0.050	104	104	70-130	0.399	20
Endosulfan sulfate	0.056	0.057	0.050	113	113	70-130	0.379	20
Endrin	0.056	0.056	0.050	112	111	70-130	0.851	20
Endrin aldehyde	0.053	0.053	0.050	106	106	60-130	0.389	20
Endrin ketone	0.059	0.058	0.050	117	116	60-130	0.955	20
Heptachlor	0.051	0.049	0.050	101	99	43-130	2.55	20
Heptachlor epoxide	0.048	0.047	0.050	95	94	70-130	1.87	20
Methoxychlor	0.067	0.068	0.050	135,F2	136,F2	70-130	0.753	20
Aroclor1016	0.11	0.10	0.15	71	70	70-130	1.55	20
Aroclor1260	0.11	0.13	0.15	76	85	70-130	11.3	20
<b>Surrogate Recovery</b>								
Decachlorobiphenyl	0.045	0.046	0.050	90	92	60-130	1.94	20



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 09/04/2024  
**Date Analyzed:** 09/04/2024  
**Instrument:** GC10  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (September 2024)

**WorkOrder:** 2409058  
**BatchID:** 301234  
**Extraction Method:** E624.1  
**Analytical Method:** E624.1  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-301234

### 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	-	-	-
<b>Surrogate Recovery</b>						
Dibromofluoromethane	27			25	106	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acrolein (Propenal)	19	24	20	94	119	71-140	23.5,F2	20
Acrylonitrile	23	22	20	113	110	67-145	2.73	20
2-Chloroethyl vinyl ether	21	21	20	107	106	70-124	0.721	20
<b>Surrogate Recovery</b>								
Dibromofluoromethane	25	25	25	100	100	70-130	0.202	20



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 09/09/2024  
**Date Analyzed:** 09/09/2024  
**Instrument:** GC45  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (September 2024)

**WorkOrder:** 2409058  
**BatchID:** 301526  
**Extraction Method:** E624.1  
**Analytical Method:** E624.1  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-301526

### QC Summary Report for E624.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Benzene	ND	0.035	0.20	-	-	-
Bromodichloromethane	ND	0.035	0.050	-	-	-
Bromoform	ND	0.24	0.50	-	-	-
Bromomethane	ND	0.25	0.50	-	-	-
Carbon tetrachloride	ND	0.034	0.050	-	-	-
Chlorobenzene	ND	0.095	0.50	-	-	-
Chloroethane	ND	0.25	0.50	-	-	-
Chloroform	ND	0.043	0.10	-	-	-
Chloromethane	ND	0.16	0.50	-	-	-
Dibromochloromethane	ND	0.073	0.15	-	-	-
1,2-Dichlorobenzene	ND	0.10	0.50	-	-	-
1,3-Dichlorobenzene	ND	0.14	0.50	-	-	-
1,4-Dichlorobenzene	ND	0.089	0.50	-	-	-
1,1-Dichloroethane	ND	0.14	0.50	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0093	0.020	-	-	-
1,1-Dichloroethene	ND	0.0058	0.010	-	-	-
trans-1,2-Dichloroethene	ND	0.15	0.50	-	-	-
1,2-Dichloropropane	ND	0.039	0.10	-	-	-
cis-1,3-Dichloropropene	ND	0.13	0.50	-	-	-
trans-1,3-Dichloropropene	ND	0.20	0.50	-	-	-
Ethylbenzene	ND	0.10	0.50	-	-	-
Methylene chloride	ND	1.5	2.0	-	-	-
Styrene	ND	0.22	2.0	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.015	0.020	-	-	-
Tetrachloroethene	ND	0.036	0.20	-	-	-
Toluene	ND	0.10	0.50	-	-	-
1,1,1-Trichloroethane	ND	0.13	0.50	-	-	-
1,1,2-Trichloroethane	ND	0.032	0.10	-	-	-
Trichloroethene	ND	0.034	0.10	-	-	-
Trichlorofluoromethane	ND	0.14	0.50	-	-	-
Vinyl chloride	ND	0.0044	0.0050	-	-	-
m,p-Xylene	ND	0.22	1.0	-	-	-

#### Surrogate Recovery

Dibromofluoromethane	23	25	93	70-130
Toluene-d8	24	25	97	70-130
4-BFB	2.0	2.5	81	70-130

(Cont.)





## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 09/09/2024  
**Date Analyzed:** 09/09/2024  
**Instrument:** GC45  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (September 2024)

**WorkOrder:** 2409058  
**BatchID:** 301526  
**Extraction Method:** E624.1  
**Analytical Method:** E624.1  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-301526

### QC Summary Report for E624.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Benzene	3.5	3.4	4	87	85	65-130	2.01	20
Bromodichloromethane	4.2	4.1	4	105	104	60-130	1.03	20
Bromoform	4.1	4.1	4	103	103	70-130	0.196	20
Bromomethane	4.9	4.7	4	121	117	50-130	3.59	20
Carbon tetrachloride	4.0	3.9	4	99	99	70-130	0.280	20
Chlorobenzene	4.0	3.8	4	99	96	65-130	2.95	20
Chloroethane	4.1	4.0	4	101	100	60-140	1.94	20
Chloroform	3.9	3.9	4	98	97	70-130	1.24	20
Chloromethane	3.2	3.1	4	80	78	50-130	2.64	20
Dibromochloromethane	4.0	4.0	4	100	99	70-130	0.554	20
1,2-Dichlorobenzene	3.8	3.6	4	95	91	65-130	4.85	20
1,3-Dichlorobenzene	3.7	3.6	4	93	91	70-130	2.62	20
1,4-Dichlorobenzene	3.9	3.8	4	97	95	65-130	1.56	20
1,1-Dichloroethane	3.7	3.6	4	92	91	70-130	0.984	20
1,2-Dichloroethane (1,2-DCA)	3.4	3.4	4	85	85	70-130	0.696	20
1,1-Dichloroethene	3.8	3.7	4	95	93	60-130	2.17	20
trans-1,2-Dichloroethene	3.6	3.5	4	91	87	70-130	4.07	20
1,2-Dichloropropane	3.7	3.7	4	93	92	60-130	1.63	20
cis-1,3-Dichloropropene	4.1	4.0	4	102	100	60-130	1.45	20
trans-1,3-Dichloropropene	4.0	4.0	4	101	100	60-130	0.912	20
Ethylbenzene	3.7	3.6	4	93	91	60-130	1.74	20
Methylene chloride	3.3	3.2	4	82	80	60-130	2.73	20
1,1,2,2-Tetrachloroethane	3.6	3.6	4	89	91	60-130	2.04	20
Tetrachloroethene	4.1	4.1	4	103	101	70-130	1.28	20
Toluene	3.7	3.6	4	93	91	70-130	1.80	20
1,1,1-Trichloroethane	3.6	3.6	4	91	89	70-130	1.35	20
1,1,2-Trichloroethane	3.8	3.8	4	96	96	70-130	0.252	20
Trichloroethene	3.7	3.7	4	93	92	65-130	1.43	20
Trichlorofluoromethane	3.5	3.5	4	88	86	60-130	2.11	20
Vinyl chloride	1.5	1.4	2	73	71	60-130	3.50	20
<b>Surrogate Recovery</b>								
Dibromofluoromethane	23	23	25	93	94	70-130	0.325	20
Toluene-d8	24	24	25	98	98	70-130	0.0902	20
4-BFB	2.2	2.2	2.5	87	86	70-130	1.24	20



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 09/04/2024  
**Date Analyzed:** 09/04/2024  
**Instrument:** GC47  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (September 2024)

**WorkOrder:** 2409058  
**BatchID:** 301113  
**Extraction Method:** E625.1  
**Analytical Method:** E625.1  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-301113

### 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	ND	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:** 09/04/2024  
**Date Analyzed:** 09/04/2024  
**Instrument:** GC47  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (September 2024)

**WorkOrder:** 2409058  
**BatchID:** 301113  
**Extraction Method:** E625.1  
**Analytical Method:** E625.1  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-301113

### 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:** 09/04/2024  
**Date Analyzed:** 09/04/2024  
**Instrument:** GC47  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (September 2024)

**WorkOrder:** 2409058  
**BatchID:** 301113  
**Extraction Method:** E625.1  
**Analytical Method:** E625.1  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-301113

### QC Summary Report for E625.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
<b>Surrogate Recovery</b>						
2-Fluorophenol	4.8			5	96	30-130
Phenol-d5	4.4			5	87	20-130
Nitrobenzene-d5	4.7			5	93	60-130
2-Fluorobiphenyl	5.0			5	99	50-130
2,4,6-Tribromophenol	3.5			5	69	60-140
4-Terphenyl-d14	5.0			5	99	40-130



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 09/04/2024  
**Date Analyzed:** 09/04/2024  
**Instrument:** GC47  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (September 2024)

**WorkOrder:** 2409058  
**BatchID:** 301113  
**Extraction Method:** E625.1  
**Analytical Method:** E625.1  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-301113

### QC Summary Report for E625.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acenaphthene	0.25	0.23	0.25	100	92	60-132	7.50	25
Acenaphthylene	0.23	0.21	0.25	92	86	54-126	7.24	25
Anthracene	0.25	0.23	0.25	99	92	60-130	7.19	25
Benzidine	10	9.1	25	40	36	20-130	9.35	25
Benzo (a) anthracene	0.24	0.22	0.25	96	90	60-130	6.66	25
Benzo (a) pyrene	0.23	0.22	0.25	92	88	60-130	4.25	25
Benzo (b) fluoranthene	0.21	0.20	0.25	82	79	60-130	4.55	25
Benzo (g,h,i) perylene	0.24	0.22	0.25	96	87	50-130	9.54	25
Benzo (k) fluoranthene	0.30	0.27	0.25	118	108	60-130	9.03	25
Benzyl Alcohol	23	22	25	92	87	60-130	5.30	25
Bis (2-chloroethoxy) methane	5.4	5.0	5	108	100	65-130	7.90	25
Bis (2-chloroethyl) ether	0.23	0.21	0.25	91	85	60-130	7.12	25
Bis (2-chloroisopropyl) ether	0.22	0.21	0.25	89	83	63-139	6.70	25
Bis (2-ethylhexyl) Adipate	5.4	4.7	5	108	93	60-130	14.8	25
Bis (2-ethylhexyl) Phthalate	0.21	0.19	0.25	83	76	60-130	9.09	25
4-Bromophenyl phenyl ether	5.4	4.9	5	108	99	65-120	8.72	25
Butylbenzyl Phthalate	0.26	0.24	0.25	105	95	60-140	9.40	25
4-Chloroaniline	0.20	0.20	0.25	82	78	60-130	4.74	25
4-Chloro-3-methylphenol	5.4	5.1	5	109	103	65-130	5.61	25
2-Chloronaphthalene	5.2	4.8	5	104	96	65-120	7.53	25
2-Chlorophenol	0.24	0.23	0.25	95	92	60-130	3.23	25
4-Chlorophenyl phenyl ether	5.7	4.7	5	113	94	65-130	19.0	25
Carbazole	5.1	5.4	5	102	108	70-130	5.77	25
Chrysene	0.26	0.24	0.25	106	97	70-130	8.79	25
Dibenzo (a,h) anthracene	0.24	0.22	0.25	96	88	50-130	7.73	25
n-Decane	4.4	4.0	5	88	80	30-130	9.13	25
Dibenzofuran	0.26	0.24	0.25	104	95	65-130	8.87	25
Di-n-butyl phthalate	0.21	0.20	0.25	85	79	60-130	7.37	25
1,2-Dichlorobenzene	4.9	4.6	5	97	92	60-130	5.31	25
1,3-Dichlorobenzene	4.8	4.5	5	95	90	60-130	5.82	25
1,4-Dichlorobenzene	5.0	4.6	5	100	93	60-130	7.89	25
3,3-Dichlorobenzidine	0.22	0.21	0.25	88	85	60-130	2.99	25
2,4-Dichlorophenol	0.27	0.25	0.25	107	102	53-122	5.30	25
Diethyl phthalate	0.25	0.22	0.25	98	90	65-130	9.08	25
2,4-Dimethylphenol	6.1	5.5	5	121	111	60-130	9.04	25
Dimethyl phthalate	0.25	0.23	0.25	100	92	60-130	8.18	25
4,6-Dinitro-2-methylphenol	25	24	25	99	95	60-130	4.49	25
2,4-Dinitrophenol	4.2	4.0	5	83	80	50-130	3.66	25

(Cont.)



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 09/04/2024  
**Date Analyzed:** 09/04/2024  
**Instrument:** GC47  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (September 2024)

**WorkOrder:** 2409058  
**BatchID:** 301113  
**Extraction Method:** E625.1  
**Analytical Method:** E625.1  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-301113

### 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	0.26	0.24	0.25	102	96	70-130	5.87	25
2,6-Dinitrotoluene	0.24	0.22	0.25	97	90	68-137	7.54	25
Di-n-octyl phthalate	5.0	4.4	5	100	89	70-130	11.3	25
1,2-Diphenylhydrazine	5.4	5.0	5	107	99	65-130	7.77	25
Fluoranthene	0.23	0.22	0.25	93	89	65-130	4.42	25
Fluorene	0.30	0.28	0.25	121,F5	111	70-120	8.39	25
Hexachlorobenzene	0.25	0.23	0.25	99	92	60-130	7.61	25
Hexachlorobutadiene	0.27	0.25	0.25	107	100	68-130	6.67	25
Hexachlorocyclopentadiene	23	21	25	92	84	50-130	8.20	25
Hexachloroethane	0.23	0.22	0.25	93	87	55-120	7.04	25
Indeno (1,2,3-cd) pyrene	0.24	0.22	0.25	96	89	50-130	7.60	25
1-Methylnaphthalene	0.27	0.25	0.25	107	100	65-130	6.92	25
Isophorone	4.7	4.4	5	94	89	52-130	6.47	25
2-Methylnaphthalene	0.27	0.25	0.25	109	100	60-130	8.22	25
2-Methylphenol (o-cresol)	5.2	5.0	5	103	100	60-130	2.66	25
3 & 4-Methylphenol (m,p-Cresol)	5.3	4.9	5	107	99	60-130	7.51	25
Naphthalene	0.26	0.25	0.25	105	98	70-130	6.65	25
2-Nitroaniline	26	24	25	105	97	65-130	8.00	25
3-Nitroaniline	22	20	25	88	80	70-140	9.27	25
4-Nitroaniline	24	25	25	95	98	70-130	4.11	25
Nitrobenzene	5.7	5.4	5	114	109	60-130	4.93	25
2-Nitrophenol	31	29	25	123	116	70-130	6.23	25
4-Nitrophenol	21	21	25	86	83	30-130	3.15	25
N-Nitrosodimethylamine	23	21	25	90	85	30-130	5.43	25
N-Nitrosodiphenylamine	5.4	5.0	5	108	99	65-130	7.94	25
N-Nitrosodi-n-propylamine	4.3	4.0	5	85	80	59-130	6.06	25
n-Octadecane	5.5	5.0	5	110	100	60-130	8.87	25
Pentachlorophenol	1.2	1.1	1.25	98	92	60-130	6.23	25
Phenanthrene	0.25	0.23	0.25	100	93	65-120	7.59	25
Phenol	1.0	0.98	1	102	98	48-120	4.38	25
Pyrene	0.29	0.26	0.25	116	102	70-120	12.8	25
Pyridine	4.1	3.5	5	81	69	30-130	16.0	25
1,2,4-Trichlorobenzene	5.5	5.1	5	110	102	57-130	7.65	25
2,4,5-Trichlorophenol	0.23	0.23	0.25	94	91	65-130	3.01	25
2,4,6-Trichlorophenol	0.25	0.23	0.25	99	93	69-130	6.49	25

(Cont.)



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 09/04/2024  
**Date Analyzed:** 09/04/2024  
**Instrument:** GC47  
**Matrix:** Water  
**Project:** Semi-Annual Sampling (September 2024)

**WorkOrder:** 2409058  
**BatchID:** 301113  
**Extraction Method:** E625.1  
**Analytical Method:** E625.1  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-301113

### QC Summary Report for E625.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
<b>Surrogate Recovery</b>								
2-Fluorophenol	5.6	5.8	5	113	116	30-130	3.00	25
Phenol-d5	5.6	5.8	5	112	115	20-130	2.77	25
Nitrobenzene-d5	6.1	6.2	5	121	125	60-130	2.88	25
2-Fluorobiphenyl	5.7	5.8	5	114	117	50-130	2.96	25
2,4,6-Tribromophenol	6.2	6.6	5	125	132	60-140	5.51	25
4-Terphenyl-d14	6.5	6.5	5	129	129	40-130	0.162	25



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

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 2409058

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: APSD@pge.com; MSFG@pge.com; T1WY  
PO:  
Project: Semi-Annual Sampling (September 2024)

Bill to:

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

Requested TAT: 5 days;

Date Received: 09/04/2024

Date Logged: 09/04/2024

Lab ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2409058-001	E-001	Water	9/4/2024 09:05	<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.





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http://www.mcccampbell.com / E-mail: main@mcccampbell.com

## WORK ORDER SUMMARY

**Client Name:** PG&E GATEWAY GENERATING STATION

**Project:** Semi-Annual Sampling (September 2024)

**Work Order:** 2409058

**Client Contact:** Angel Espiritu

**QC Level:** LEVEL 2

**Contact's Email:** abe4@pge.com

**Comments**

**Date Logged:** 9/4/2024

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

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	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, Dibromochloromethane, Ethylbenzene, Methylene chloride, 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"/>	9/4/2024 9:05	5 days	9/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
001B	E-001	Water	E624.1 (ACRO, ACRY, & 2-CEVE)	2	VOA, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/4/2024 9:05	5 days	9/11/2024	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.



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## WORK ORDER SUMMARY

**Client Name:** PG&E GATEWAY GENERATING STATION

**Project:** Semi-Annual Sampling (September 2024)

**Work Order:** 2409058

**Client Contact:** Angel Espiritu

**QC Level:** LEVEL 2

**Contact's Email:** abe4@pge.com

**Comments**

**Date Logged:** 9/4/2024

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

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	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-	1	1LA, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/4/2024 9:05	5 days	9/11/2024	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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- 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.

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## WORK ORDER SUMMARY

<b>Client Name:</b> PG&E GATEWAY GENERATING STATION	<b>Project:</b> Semi-Annual Sampling (September 2024)	<b>Work Order:</b> 2409058
<b>Client Contact:</b> Angel Espiritu		<b>QC Level:</b> LEVEL 2
<b>Contact's Email:</b> <a href="mailto:abe4@pge.com">abe4@pge.com</a>	<b>Comments</b>	<b>Date Logged:</b> 9/4/2024

	<input type="checkbox"/> WaterTrax	<input type="checkbox"/> CLIP	<input type="checkbox"/> EDF	<input type="checkbox"/> Excel	<input type="checkbox"/> EQuIS	<input checked="" type="checkbox"/> Email	<input type="checkbox"/> HardCopy	<input type="checkbox"/> ThirdParty	<input checked="" type="checkbox"/> J-flag
--	------------------------------------	-------------------------------	------------------------------	--------------------------------	--------------------------------	---	-----------------------------------	-------------------------------------	--

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
			chloroisopropyl) Ether, Bis (2-ethylhexyl) Phthalate, Butylbenzyl Phthalate, Chrysene, Dibenzo (a,h) 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 2024)

**Work Order:** 2409058

**Client Contact:** Angel Espiritu

**QC Level:** LEVEL 2

**Contact's Email:** abe4@pge.com

**Comments**

**Date Logged:** 9/4/2024

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

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	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, 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, p,p-DDD_1, p,p- DDE_1, p,p-DDT_1, PCBs, total_1, Toxaphene_1>	1	1LA, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/4/2024 9:05	5 days	9/11/2024	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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Page 26 of 28



## 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

*McCampbell Analytical*

9/4/24

*[Signature]*



## Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station  
Project: Semi-Annual Sampling (September 2024)

Date and Time Received: 9/4/2024 11:17  
Date Logged: 9/4/2024  
Received by: Agustina Venegas  
Logged by: Adrianna Cardoza

WorkOrder No: 2409058 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: 0.8°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)?	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®**

RECEIVED

JAN 13 2025

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

DELTA DIABLO

January 6, 2025

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, 2024)

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, 2024, as required under DD Industrial Wastewater Discharge Permit Number 0208841-C.

This report contains all components required by the above-referenced Industrial Wastewater Discharge Permit. See the following page for a list of its contents.

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

Sincerely,

Prakash Singh  
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

January 6, 2025

Mr. Jason Yun  
Delta Diablo Sanitation District (DD)  
2500 Pittsburg-Antioch Hwy.  
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Reference: Pacific Gas and Electric Company - Gateway Generating Station  
DD Industrial Wastewater Discharge Permit  
Permit Number: 0208841-C

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This report contains all components required by the above-referenced Industrial Wastewater Discharge Permit. See the following page for a list of its contents.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Prakash Singh', written over a large, stylized 'S' shape.

Prakash Singh  
Senior Plant Manager

Attachment: a/s

Pacific Gas and Electric Company  
Gateway Generating Station

**Quarterly Self-Monitoring Report**  
For the reporting period ending December 31, 2024

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, 2024

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: 1/9/2025

Print Name: Prakash Singh

Attachment 2  
Industrial User Compliance Report

## Industrial User Compliance Report Form

Attn: Jason Yun

Pretreatment

Fax # (925)756-1961

Phone: (925)756-1929

From: Prakash Singh

Company: Pacific Gas and Electric Company – Gateway Generating Station

Period Covered: Period ending December 31, 2024

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.)
- ☒ 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	12/3/2024	12/4/2024	12/4/2024					
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.		8.75						
BOD				ND(<2.0)					
COD				10					
TDS				190					
TSS				2					
Arsenic	0.15			0.00028 <sup>J</sup>					
Cadmium	0.1			ND(<0.000061)					
Chromium	0.5			ND(<0.00033)					
Copper	0.5			0.0025					
Iron				0.093					
Lead	0.5			ND(<0.00021)					
Mercury	0.003			ND(<0.00012)					
Molybdenum				0.021					
Nickel	0.5			0.0008					
Selenium	0.25			ND(<0.00017)					
Silver	0.2			ND(<0.0004)					
Zinc	1.00			0.017 <sup>J</sup>					
Cyanide	0.2		0.016						
Phenol	1.00		ND(<0.0015)						
Ammonia	200			68					
O&G Petro/Min (E1664A w/ Silica)	100	ND(<1.6)	ND(<1.6)						
O&G Animal/Vegetable Oil	300	ND(<1.6)	ND(<1.5)						
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.

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



Attachment 4  
Discharge Flow Data

## PG&amp;E Gateway Generating Station

## Discharge Flow Data

October 2024-December 2024

Date	Industrial Flow				Sanitary Flow				Site Total (Gallons)
	Instantaneous Flow (GPM)	Time Over 39.05 GPM (minutes)	Did it ever go over 39.05 GPM for 15 mins?	Daily Total (Gallons)	Instantaneous Flow (GPM)	Time Meter went Bad Quality (minutes)	Did it ever go over 39.05 GPM for 15 mins?	Daily Total (Gallons)	
10/1/2024	35.0	0.0	NO	17,937	23.2	0	NO	442	18,379
10/2/2024	35.3	0.0	NO	16,871	0.1	0	NO	14	16,885
10/3/2024	35.6	0.0	NO	17,347	22.2	0	NO	410	17,757
10/4/2024	34.5	0.0	NO	40,176	23.2	0	NO	393	40,569
10/5/2024	35.0	0.0	NO	18,686	0.1	0	NO	8	18,694
10/6/2024	35.2	0.0	NO	22,353	0.1	0	NO	18	22,371
10/7/2024	35.2	0.0	NO	28,349	22.2	0	NO	413	28,762
10/8/2024	34.8	0.0	NO	36,075	0.0	0	NO	5	36,079
10/9/2024	34.7	0.0	NO	46,640	23.0	0	NO	416	47,056
10/10/2024	34.9	1.0	NO	23,524	0.0	1	NO	3	23,526
10/11/2024	34.9	0.0	NO	33,161	23.2	0	NO	394	33,555
10/12/2024	35.3	1.0	NO	32,031	0.0	1	NO		32,031
10/13/2024	34.9	0.0	NO	22,856	23.1	0	NO	392	23,248
10/14/2024	35.2	0.0	NO	38,749	0.0	0	NO		38,749
10/15/2024	34.6	0.0	NO	46,287	21.1	0	NO	383	46,671
10/16/2024	35.8	0.0	NO	42,827	20.7	0	NO	395	43,222
10/17/2024	35.6	0.0	NO	34,047	0.1	0	NO	6	34,053
10/18/2024	34.5	0.0	NO	40,655	24.0	0	NO	399	41,054
10/19/2024	35.6	0.0	NO	25,202	0.1	0	NO	7	25,210
10/20/2024	34.5	0.0	NO	35,396	0.1	0	NO	16	35,412
10/21/2024	34.8	0.0	NO	26,738	24.1	0	NO	409	27,147
10/22/2024	35.0	0.0	NO	20,837	0.1	0	NO		20,837
10/23/2024	35.0	0.0	NO	7,737	22.3	0	NO	439	8,176
10/24/2024	35.0	0.0	NO	14,168	0.1	0	NO	7	14,175
10/25/2024	35.5	0.0	NO	21,739	23.7	0	NO	422	22,161
10/26/2024	34.5	0.0	NO	9,081	0.1	0	NO	10	9,092
10/27/2024	35.1	0.0	NO	22,354	0.1	0	NO	4	22,359
10/28/2024	35.0	0.0	NO	30,030	24.0	0	NO	407	30,437
10/29/2024	34.8	0.0	NO	24,075	0.1	0	NO	7	24,082
10/30/2024	34.9	0.0	NO	14,155	22.2	0	NO	405	14,560
10/31/2024	34.9	0.0	NO	9,795	23.8	0	NO	398	10,193

Max Daily Flow (Limit: 51,120):

47,056

Monthly Total:

826,501

11/1/2024	34.8	0.0	NO	25,731	0.1	0	NO		25,731
11/2/2024	34.8	0.0	NO	29,031	0.0	0	NO		29,031
11/3/2024	34.7	1.0	NO	38,647	0.1	1	NO	6	38,654
11/4/2024	34.8	0.0	NO	24,249	23.6	0	NO	176	24,425
11/5/2024	35.2	0.0	NO	18,995	22.3	0	NO	699	19,694
11/6/2024	35.0	0.0	NO	31,520	2.1	0	NO	43	31,562
11/7/2024	34.5	0.0	NO	19,739	0.1	0	NO	14	19,753
11/8/2024	34.6	0.0	NO	32,347	22.0	0	NO	519	32,866
11/9/2024	34.7	0.0	NO	21,261	0.1	0	NO	15	21,276
11/10/2024	34.8	1.0	NO	25,093	22.7	1	NO	261	25,354
11/11/2024	34.5	0.0	NO	7,841	0.1	0	NO		7,841
11/12/2024	34.5	0.0	NO	7,763	21.2	0	NO	201	7,964
11/13/2024	35.3	0.0	NO	23,949	0.0	0	NO		23,949
11/14/2024	34.6	0.0	NO	40,816	24.3	0	NO	438	41,254
11/15/2024	34.6	0.0	NO	30,441	0.0	0	NO	1	30,442
11/16/2024	34.8	0.0	NO	14,452	0.1	0	NO	5	14,456
11/17/2024	34.8	0.0	NO	18,254	23.1	0	NO	388	18,642
11/18/2024	34.6	0.0	NO	24,399	0.1	0	NO		24,399
11/19/2024	34.7	0.0	NO	16,665	19.5	0	NO	369	17,034

Public

## PG&amp;E Gateway Generating Station

## Discharge Flow Data

October 2024-December 2024

Date	Industrial Flow				Sanitary Flow				Site Total (Gallons)
	Instantaneous Flow (GPM)	Time Over 39.05 GPM (minutes)	Did it ever go over 39.05 GPM for 15 mins?	Daily Total (Gallons)	Instantaneous Flow (GPM)	Time Meter went Bad Quality (minutes)	Did it ever go over 39.05 GPM for 15 mins?	Daily Total (Gallons)	
11/20/2024	35.1	0.0	NO	18,799	19.3	0	NO	377	19,176
11/21/2024	35.1	0.0	NO	13,982	0.1	0	NO		13,982
11/22/2024	34.7	0.0	NO	6,246	21.1	0	NO	386	6,632
11/23/2024	34.4	0.0	NO	20,777	0.0	0	NO		20,777
11/24/2024	34.5	0.0	NO	10,805	0.1	0	NO		10,805
11/25/2024	34.7	0.0	NO	40,032	23.9	0	NO	393	40,425
11/26/2024	34.8	0.0	NO	6,603	0.0	0	NO		6,603
11/27/2024	34.8	0.0	NO	20,847	21.4	0	NO	381	21,228
11/28/2024	34.8	0.0	NO	25,749	0.0	0	NO		25,749
11/29/2024	34.8	0.0	NO	13,625	0.0	0	NO		13,625
11/30/2024	35.0	0.0	NO	10,597	0.0	0	NO		10,597

Max Daily Flow (Limit: 51,120): 41,254

Monthly Total: 643,925

12/1/2024	34.8	0.0	NO	17,056	0.1	0	NO		17,056
12/2/2024	34.5	0.0	NO	22,331	24.0	0	NO	470	22,801
12/3/2024	34.9	0.0	NO	28,141	0.1	0	NO	1	28,142
12/4/2024	34.6	0.0	NO	45,337	24.4	0	NO	409	45,745
12/5/2024	34.9	0.0	NO	23,169	0.1	0	NO		23,169
12/6/2024	34.7	0.0	NO	27,974	23.8	0	NO	412	28,386
12/7/2024	34.6	0.0	NO	17,914	0.1	0	NO		17,914
12/8/2024	34.8	0.0	NO	19,314	0.0	2	NO		19,314
12/9/2024	34.6	0.0	NO	19,116	19.7	0	NO	31	19,147
12/10/2024	34.9	0.0	NO	6,423	22.2	0	NO	31	6,455
12/11/2024	34.8	0.0	NO	14,464	22.6	0	NO	377	14,841
12/12/2024	34.8	0.0	NO	6,883	0.0	0	NO		6,883
12/13/2024	34.5	0.0	NO	33,697	23.1	0	NO	385	34,082
12/14/2024	34.8	0.0	NO	19,009	0.0	0	NO		19,009
12/15/2024	34.4	0.0	NO	6,640	0.0	0	NO		6,640
12/16/2024	34.4	0.0	NO	13,286	21.6	0	NO	390	13,677
12/17/2024	34.6	0.0	NO	18,587	0.0	0	NO		18,587
12/18/2024	34.5	0.0	NO	23,871	21.9	0	NO	392	24,263
12/19/2024	34.6	0.0	NO	37,261	0.0	0	NO		37,261
12/20/2024	34.8	0.0	NO	20,455	24.5	0	NO	501	20,956
12/21/2024	34.7	0.0	NO	22,872	0.0	0	NO		22,872
12/22/2024	34.5	0.0	NO	8,600	0.0	0	NO		8,600
12/23/2024	34.6	0.0	NO	29,177	0.0	0	NO		29,177
12/24/2024	34.6	0.0	NO	19,562	24.2	0	NO	392	19,954
12/25/2024	34.7	0.0	NO	31,979	0.0	0	NO		31,979
12/26/2024	34.5	0.0	NO	36,023	0.1	0	NO		36,023
12/27/2024	34.5	0.0	NO	30,512	21.4	0	NO	296	30,808
12/28/2024	34.6	0.0	NO	49,002	0.0	0	NO		49,002
12/29/2024	34.5	0.0	NO	26,029	0.1	0	NO		26,029
12/30/2024	35.6	1.0	NO	34,131	22.7	0	NO	534	34,665
12/31/2024	34.7	0.0	NO	34,291	0.0	0	NO		34,291

Max Daily Flow (Limit: 51,120): 49,002

Monthly Total: 747,728

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: **2024**

Month	Flow (gallons)	Due Date
January		
February		
March		
April		
May		
June		
July		
August		
September		
October	826,501	1/15/2025
November	643,925	1/15/2025
December	747,728	1/15/2025

**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  
October 2024 to December 2024

WSAC Operation	
Month	Hours of Operation
January-24	
February-24	
March-24	
April-24	
May-24	
June-24	
July-24	
August-24	
September-24	
October-24	311.25
November-24	0.00
December-24	0.00

Attachment 7  
Cycles of Concentration



PG&E Gateway Generating Station

WSAC Average Daily Blowdown Cycles Report  
October 2024 to December 2024

WSAC Operation	
Month	Average Daily Blowdown Cycles
January-24	
February-24	
March-24	
April-24	
May-24	
June-24	
July-24	
August-24	
September-24	
October-24	3.42
November-24	
December-24	

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:** 2412167

**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 2024)

**Project Location:** Combined Site Flow

**Project Received:** 12/04/2024

Analytical Report reviewed & approved for release on 12/13/2024 by:

Tracy Babjar  
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 regulatory 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 2024)

**WorkOrder:** 2412167

### 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 IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit <sup>1</sup>
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 <sup>2</sup>
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

<sup>1</sup> 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.

<sup>2</sup> 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:** 2412167

**Project:** Quarterly Sampling (December 2024)

SPK Val	Spike Value
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 Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
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.
m1	Based on the method limit threshold, the sample tested produced a result below the threshold of 2.5mg of dried residue.



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 12/04/2024 12:38  
**Date Prepared:** 12/13/2024  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**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	2412167-001A	Water	12/03/2024 09:42	O&G	307740

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
SGT-HEM	ND	1.6	4.9	1	12/13/2024 11:45

Analyst(s): LAM

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2412167-002A	Water	12/04/2024 10:35	O&G	307740

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
SGT-HEM	ND	1.6	4.8	1	12/13/2024 11:50

Analyst(s): LAM



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 12/04/2024 12:38  
**Date Prepared:** 12/13/2024  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**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	2412167-001A	Water	12/03/2024 09:42	O&G	307740

Analytes	Result	MDL	RL	DF	Date Analyzed
HEM	ND	1.6	4.9	1	12/13/2024 11:45

Analyst(s): LAM

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2412167-002A	Water	12/04/2024 10:35	O&G	307740

Analytes	Result	MDL	RL	DF	Date Analyzed
HEM	ND	1.5	4.8	1	12/13/2024 11:50

Analyst(s): LAM





## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 12/04/2024 12:38  
**Date Prepared:** 12/05/2024  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**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	2412167-002C	Water	12/04/2024 10:30	WC_SKALAR 241205A1_53	307182

Analytes	Result	MDL	RL	DF	Date Analyzed
Ammonia, total as N	68	0.89	1.0	10	12/05/2024 17:00

Analyst(s): IGC



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 12/04/2024 12:38  
**Date Prepared:** 12/04/2024  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**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	2412167-002E	Water	12/04/2024 10:30	WetChem	307089

Analytes	Result	MDL	RL	DF	Date Analyzed
BOD	ND	2.0	2.0	1.02	12/09/2024 14:23

Analyst(s): ISH



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 12/04/2024 12:38  
**Date Prepared:** 12/10/2024  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**Extraction Method:** SM4500-CN<sup>-</sup> E  
**Analytical Method:** SM4500-CN<sup>-</sup> CE  
**Unit:** µg/L

### Cyanide, Total

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2412167-002D	Water	12/04/2024 10:35	WC_Skalar3 241210A0_33	307459

Analytes	Result	MDL	RL	DF	Date Analyzed
Total Cyanide	16	0.68	1.0	1	12/10/2024 14:28

Analyst(s): JRA



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 12/04/2024 12:38  
**Date Prepared:** 12/05/2024  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**Extraction Method:** SM5220 D  
**Analytical Method:** SM5220 D  
**Unit:** mg/L

### Chemical Oxygen Demand (COD) as mg O<sub>2</sub> /L

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2412167-002F	Water	12/04/2024 10:35	SPECTROPHOTOMETER2	307178

Analytes	Result	MDL	RL	DF	Date Analyzed
COD	10	4.8	10	1	12/05/2024 15:16

Analyst(s): AHE



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 12/04/2024 12:38  
**Date Prepared:** 12/06/2024  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**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	2412167-002I	Water	12/04/2024 10:30	AA1 _42	307229

Analytes	Result	MDL	RL	DE	Date Analyzed
Mercury	ND	0.12	0.20	1	12/11/2024 12:46

Analyst(s): MJA



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 12/04/2024 12:38  
**Date Prepared:** 12/05/2024  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**Extraction Method:** E200.8  
**Analytical Method:** E200.8  
**Unit:** µg/L

### Metals

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
E-001	2412167-002J	Water	12/04/2024 10:30		ICP-MS4 266SMPL.d	307086
<u>Analytes</u>	<u>Result</u>	<u>Qualifiers</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Arsenic	0.28	J	0.077	0.50	1	12/06/2024 00:51
Cadmium	ND		0.061	0.50	1	12/06/2024 00:51
Chromium	ND		0.33	2.0	1	12/06/2024 00:51
Copper	2.5		0.63	1.5	1	12/06/2024 00:51
Iron	93		21	50	1	12/06/2024 00:51
Lead	ND		0.21	0.50	1	12/06/2024 00:51
Molybdenum	21		0.18	0.50	1	12/06/2024 00:51
Nickel	0.80		0.24	0.50	1	12/06/2024 00:51
Selenium	ND		0.17	0.50	1	12/06/2024 00:51
Zinc	17	J	11	20	1	12/06/2024 00:51
<u>Surrogates</u>	<u>REC (%)</u>			<u>Limits</u>		
Terbium	107			70-130		12/06/2024 00:51
<u>Analyst(s):</u> AL						



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 12/04/2024 12:38  
**Date Prepared:** 12/06/2024  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**Extraction Method:** E420.4  
**Analytical Method:** E420.4  
**Unit:** µg/L

### Phenolics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2412167-002B	Water	12/04/2024 10:35	WC_SKALAR 241206B1_47	307291

Analytes	Result	MDL	RL	DE	Date Analyzed
Phenolics	ND	1.5	2.0	1	12/06/2024 15:48

Analyst(s): IGC



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 12/04/2024 12:38  
**Date Prepared:** 12/04/2024  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**Extraction Method:** SM2540 C-  
**Analytical Method:** SM2540 C  
**Unit:** mg/L

### Total Dissolved Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2412167-002G	Water	12/04/2024 10:30	WetChem	307137

Analytes	Result	MDL	RL	DE	Date Analyzed
Total Dissolved Solids	190	10.0	10.0	1	12/05/2024 12:05

Analyst(s): ISH





## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 12/04/2024 12:38  
**Date Prepared:** 12/04/2024  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**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	2412167-002H	Water	12/04/2024 10:30	WetChem	307074

Analytes	Result	MDL	RL	DF	Date Analyzed
Total Suspended Solids	2.20	1.00	1.00	1	12/04/2024 17:05

Analyst(s): JME

Analytical Comments: m1



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 12/13/2024  
**Date Analyzed:** 12/13/2024  
**Instrument:** O&G  
**Matrix:** Water  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**BatchID:** 307740  
**Extraction Method:** E1664A\_SG  
**Analytical Method:** E1664A  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-307740

### QC Summary Report for E1664A

Analyte	MB Result	MDL	RL			
HEM	ND	1.6	5.0	-	-	-
SGT-HEM	ND	1.7	5.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
HEM	18	20	20	90	100	78-114	10.9	30
SGT-HEM	7.4	10	10	74	100	64-132	29.3	30



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 12/05/2024  
**Date Analyzed:** 12/05/2024  
**Instrument:** WC\_SKALAR  
**Matrix:** Water  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**BatchID:** 307182  
**Extraction Method:** SM4500-NH3 BG  
**Analytical Method:** SM4500-NH3 BG  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-307182

### QC Summary Report for SM4500-NH3

Analyte	MB Result	MDL	RL			
Ammonia, total as N	ND	0.089	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Ammonia, total as N	4.0	4.2	4	101	105	90-110	3.70	10



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 12/04/2024  
**Date Analyzed:** 12/09/2024  
**Instrument:** WetChem  
**Matrix:** Water  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**BatchID:** 307089  
**Extraction Method:** SM5210B  
**Analytical Method:** SM5210 B  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-307089

### 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	170	170	198	85	85	84-115	0	16



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 12/10/2024  
**Date Analyzed:** 12/10/2024  
**Instrument:** WC\_Skalar3  
**Matrix:** Water  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**BatchID:** 307459  
**Extraction Method:** SM4500-CN<sup>-</sup> E  
**Analytical Method:** SM4500-CN<sup>-</sup> CE  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-307459

### QC Summary Report for SM4500-CN<sup>-</sup> CE

Analyte	MB Result	MDL	RL			
Total Cyanide	ND	0.68	1.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Cyanide	49	50	50	99	100	90-110	1.29	20



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 12/05/2024  
**Date Analyzed:** 12/05/2024  
**Instrument:** SPECTROPHOTOMETER2  
**Matrix:** Water  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**BatchID:** 307178  
**Extraction Method:** SM5220 D  
**Analytical Method:** SM5220 D  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-307178

### QC Summary Report for COD

Analyte	MB Result	MDL	RL			
COD	ND	4.8	10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
COD	98	98	100	98	98	90-110	0	20



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 12/06/2024  
**Date Analyzed:** 12/06/2024  
**Instrument:** AA1  
**Matrix:** Water  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**BatchID:** 307229  
**Extraction Method:** E245.2  
**Analytical Method:** E245.2  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-307229

### QC Summary Report for Mercury

Analyte	MB Result	MDL	RL			
Mercury	ND	0.12	0.20	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Mercury	2.2	2.3	2	112	115	85-115	3.16	20



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 12/05/2024  
**Date Analyzed:** 12/05/2024 - 12/06/2024  
**Instrument:** ICP-MS4, ICP-MS5  
**Matrix:** Water  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**BatchID:** 307086  
**Extraction Method:** E200.8  
**Analytical Method:** E200.8  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-307086

### QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Arsenic	ND	0.077	0.50	-	-	-
Cadmium	ND	0.061	0.50	-	-	-
Chromium	ND	0.33	2.0	-	-	-
Copper	ND	0.63	1.5	-	-	-
Iron	ND	21	50	-	-	-
Lead	ND	0.21	0.50	-	-	-
Molybdenum	ND	0.18	0.50	-	-	-
Nickel	ND	0.24	0.50	-	-	-
Selenium	ND	0.17	0.50	-	-	-
Zinc	ND	11	20	-	-	-
<b>Surrogate Recovery</b>						
Terbium	540			500	108	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	54	54	50	107	109	85-115	1.16	20
Cadmium	55	54	50	109	109	85-115	0.440	20
Chromium	53	53	50	107	106	85-115	1.14	20
Copper	54	54	50	108	108	85-115	0.206	20
Iron	5500	5400	5000	110	108	85-115	1.83	20
Lead	53	52	50	105	104	85-115	1.18	20
Molybdenum	50	50	50	100	100	85-115	0.742	20
Nickel	55	54	50	110	108	85-115	1.45	20
Selenium	56	55	50	112	110	85-115	2.17	20
Zinc	560	560	500	112	113	85-115	0.363	20
<b>Surrogate Recovery</b>								
Terbium	530	540	500	107	107	70-130	0.616	20





## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 12/06/2024  
**Date Analyzed:** 12/06/2024  
**Instrument:** WC\_SKALAR  
**Matrix:** Water  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**BatchID:** 307291  
**Extraction Method:** E420.4  
**Analytical Method:** E420.4  
**Unit:** µg/L  
**Sample ID:** MB/LCS/LCSD-307291

### 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	41	42	40	104	105	90-110	0.838	20



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 12/04/2024  
**Date Analyzed:** 12/05/2024  
**Instrument:** WetChem  
**Matrix:** Water  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**BatchID:** 307137  
**Extraction Method:** SM2540 C-  
**Analytical Method:** SM2540 C  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-307137

### 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	990	980	1000	99	98	80-120	1.02	10



## Quality Control Report

**Client:** PG&E Gateway Generating Station  
**Date Prepared:** 12/04/2024  
**Date Analyzed:** 12/04/2024  
**Instrument:** WetChem  
**Matrix:** Water  
**Project:** Quarterly Sampling (December 2024)

**WorkOrder:** 2412167  
**BatchID:** 307074  
**Extraction Method:** SM2540 D  
**Analytical Method:** SM2540 D  
**Unit:** mg/L  
**Sample ID:** MB/LCS/LCSD-307074

### 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	97.0	95.0	100	97	95	80-120	2.08	10



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

# CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2412167

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: APSD@pge.com; MSFG@pge.com; T1WY  
PO:  
Project: Quarterly Sampling (December 2024)

**Bill to:**

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

**Requested TATs:**

**5 days;  
7 days;**

*Date Received:* **12/04/2024**

*Date Logged:* **12/04/2024**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2412167-001	E-001	Water	12/3/2024 09:42	<input type="checkbox"/>	A	A									A	
2412167-002	E-001	Water	12/4/2024 10:30	<input type="checkbox"/>			C	E			I	J	J			J
2412167-002	E-001	Water	12/4/2024 10:35	<input type="checkbox"/>	A	A			D	F				B	A	

**Test Legend:**

1	1664A_SG_W
5	CN_SM4500CE_W
9	METALSMS_TTLC_W

2	1664A_W
6	COD_W
10	PHENOLICS_W

3	AMMONIA-SM4500BG_W
7	HG_W
11	PRDisposal Fee

4	BOD_W
8	METALSMS_Alpha_W
12	PRSUB

**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.



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

# CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2412167

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: APSD@pge.com; MSFG@pge.com; T1WY  
PO:  
Project: Quarterly Sampling (December 2024)

**Bill to:**

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

**Requested TATs:**

**5 days;  
7 days;**

*Date Received:* **12/04/2024**

*Date Logged:* **12/04/2024**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					13	14	15	16	17	18	19	20	21	22	23	24
2412167-001	E-001	Water	12/3/2024 09:42	<input type="checkbox"/>												
2412167-002	E-001	Water	12/4/2024 10:30	<input type="checkbox"/>	G	H										
2412167-002	E-001	Water	12/4/2024 10:35	<input type="checkbox"/>												

**Test Legend:**

13	TDS_W	14	TSS_W	15		16	
17		18		19		20	
21		22		23		24	

**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:** Quarterly Sampling (December 2024)

**Work Order:** 2412167

**Client Contact:** Angel Espiritu

**QC Level:** LEVEL 2

**Contact's Email:** abe4@pge.com

**Comments:**

**Date Logged:** 12/4/2024

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

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	4	(2LA w/ HCl + 2aVOA w/HCL)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/3/2024 9:42	5 days	12/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
			E1664A (SGT- HEM; Non-polar Material)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		5 days	12/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
002A	E-001	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	4	(2LA w/ HCl + 2aVOA w/HCL)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/4/2024 10:35	5 days	12/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
			E1664A (SGT- HEM; Non-polar Material)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		5 days	12/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
002B	E-001	Water	E420.4 (Phenolics)	1	500mL aG w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/4/2024 10:35	5 days	12/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
002C	E-001	Water	SM4500-NH3 BG (Ammonia Nitrogen)	1	250mL aG w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/4/2024 10:30	5 days	12/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
002D	E-001	Water	SM4500-CN <sup>-</sup> CE (Cyanide, Total)	1	250mL aHDPE w/ NaOH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/4/2024 10:35	5 days	12/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
002E	E-001	Water	SM5210B (BOD)	1	500mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/4/2024 10:30	7 days	12/13/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
002F	E-001	Water	SM5220D (COD)	2	aVOA w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/4/2024 10:35	5 days	12/11/2024	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

<b>Client Name:</b> PG&E GATEWAY GENERATING STATION	<b>Project:</b> Quarterly Sampling (December 2024)	<b>Work Order:</b> 2412167
<b>Client Contact:</b> Angel Espiritu		<b>QC Level:</b> LEVEL 2
<b>Contact's Email:</b> <a href="mailto:abe4@pge.com">abe4@pge.com</a>	<b>Comments:</b>	<b>Date Logged:</b> 12/4/2024

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

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
002G	E-001	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/4/2024 10:30	5 days	12/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
002H	E-001	Water	SM2540D (TSS)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/4/2024 10:30	5 days	12/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
002I	E-001	Water	E245.2 (Mercury)	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/4/2024 10:30	5 days	12/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
002J	E-001	Water	E200.8 (Metals) <Arsenic, Cadmium, Chromium, Copper, Iron, Lead, Molybdenum, Nickel, Selenium, Zinc>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/4/2024 10:30	5 days	12/11/2024	None	<input type="checkbox"/>	<input type="checkbox"/>
			E200.8 Metals <Silver>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		5 days	12/17/2024	None	<input type="checkbox"/>	<input checked="" 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.









## Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station  
Project: Quarterly Sampling (December 2024)

Date and Time Received: 12/4/2024 12:38

Date Logged: 12/4/2024

Received by: Lilly Ortiz

Logged by: Valerie Alfaro

WorkOrder №: 2412167 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: 0.8°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)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	NA <input type="checkbox"/>

pH Lot#: HC446507

Lot Expiration: 1/31/2028

### 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:



*alpha*

Alpha Analytical Laboratories, Inc.

email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)

Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

17 December 2024

McC Campbell Analytical/Alpha Quote 232557

Attn: Lab Reports

1534 Willow Pass Rd.

Pittsburg, CA 94565

RE: Water Quality - J-flags

Work Order: 24L1541

Enclosed are the results of analyses for samples received by the laboratory on 12/06/24 09:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

*Sheri Speaks*

Sheri L. Speaks

Project Manager



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

McCampbell Analytical/Alpha Quote 232557  
1534 Willow Pass Rd.  
Pittsburg CA, 94565

Project Manager: Lab Reports  
Project: Water Quality - J-flags  
Project Number: 2412167

Reported:  
12/17/24 14:54

Bay Area: 262 Rickenbacker Circle | Livermore, CA 94551 | 925-828-6226 | ELAP# 2728  
Central Valley: 9090 Union Park Way Suite 113 | Elk Grove, CA 95624 | 916-686-5190 | ELAP# 2922  
North Bay: 737 Southpoint Blvd Unit D | Petaluma, CA 94954 | 707-769-3128 | ELAP# 2303  
San Diego: 2722 Loker Avenue West Suite A | Carlsbad, CA 92010 | 760-930-2555 | ELAP# 3055  
Los Angeles: 1230 E. 223rd Street Suite 205 | Carson, CA 90745 | 424-267-5032 | ELAP# 3091

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E-001	24L1541-01	Water	12/04/24 10:35	12/06/24 09:00



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

McCampbell Analytical/Alpha Quote 232557  
1534 Willow Pass Rd.  
Pittsburg CA, 94565

Project Manager: Lab Reports  
Project: Water Quality - J-flags  
Project Number: 2412167

Reported:  
12/17/24 14:54

### Metals by EPA Method 200.8 ICP/MS

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP #	Notes	
E-001 (24L1541-01) Water    Sampled: 12/04/24 10:35    Received: 12/06/24 09:00													
Silver	ND	0.40	0.80	ug/L	4	AL43767	12/09/24 15:25	12/17/24 02:20	EPA 200.8	SMP	1551	R-01, U	



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

McC Campbell Analytical/Alpha Quote 232557  
1534 Willow Pass Rd.  
Pittsburg CA, 94565

Project Manager: Lab Reports  
Project: Water Quality - J-flags  
Project Number: 2412167

Reported:  
12/17/24 14:54

### Metals by EPA Method 200.8 ICP/MS - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

#### Batch AL43767 - EPA 200.8

##### Blank (AL43767-BLK1)

Prepared: 12/09/24 Analyzed: 12/11/24

Silver	ND	0.10	0.20	ug/L							U
--------	----	------	------	------	--	--	--	--	--	--	---

##### LCS (AL43767-BS1)

Prepared: 12/09/24 Analyzed: 12/11/24

Silver	20.3	0.10	0.20	ug/L	20.0		102	85-115			
--------	------	------	------	------	------	--	-----	--------	--	--	--

##### Duplicate (AL43767-DUP1)

Source: 24L0171-01

Prepared: 12/09/24 Analyzed: 12/11/24

Silver	ND	0.10	0.20	ug/L		ND			20		U
--------	----	------	------	------	--	----	--	--	----	--	---

##### Matrix Spike (AL43767-MS1)

Source: 24L0171-01

Prepared: 12/09/24 Analyzed: 12/11/24

Silver	18.9	0.10	0.20	ug/L	20.0	ND	94.4	70-130			
--------	------	------	------	------	------	----	------	--------	--	--	--

##### Matrix Spike (AL43767-MS2)

Source: 24L0171-02

Prepared: 12/09/24 Analyzed: 12/11/24

Silver	17.9	0.10	0.20	ug/L	20.0	ND	89.5	70-130			
--------	------	------	------	------	------	----	------	--------	--	--	--

##### Matrix Spike Dup (AL43767-MSD1)

Source: 24L0171-01

Prepared: 12/09/24 Analyzed: 12/11/24

Silver	18.2	0.10	0.20	ug/L	20.0	ND	91.1	70-130	3.63	20	
--------	------	------	------	------	------	----	------	--------	------	----	--



alpha

Alpha Analytical Laboratories, Inc.

email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)

Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

McC Campbell Analytical/Alpha Quote 232557  
1534 Willow Pass Rd.  
Pittsburg CA, 94565

Project Manager: Lab Reports  
Project: Water Quality - J-flags  
Project Number: 2412167

Reported:  
12/17/24 14:54

### Notes and Definitions

R-01	The Reporting Limit for this analyte has been raised to account for matrix interference.
U	Analyte included in analysis, but not detected at or above MDL.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
MDL	Method detection limit
Rec	Recovery
RPD	Relative Percent Difference

\* ELAP does not offer accreditation in this matrix for the requested analyte/method combination.

# McC Campbell Analytical, Inc.



1534 Willow Pass Rd  
Pittsburg, CA 94565-1701  
Phone: (925) 252-9262  
Fax: (925) 252-9269

## SUB CHAIN-OF-CUSTODY RECORD

2421541  
3.1°C

Page 1 of 1

WorkOrder: 2412167

ClientCode: PGEA

EDF: NO

☒ J-flag

### Subcontractor:

Alpha Analytical Laboratories (Liv & Ukiah)  
262 Rickenbacker Circle

QC Level: LEVEL 2

Project Name: Quarterly Sampling (December 2024)

Livermore, CA 94551

Project Number: 2412167

MAI Lab ID	ClientSampleID	Source Name	PS Code	Matrix	Collection Date	TAT	Requested Tests (see Legend below)					
							1	2	3	4	5	6
2412167-002J	E-001			Water	12/4/2024 10:35	5 days	1					

### Test Legend:

1	E200.8 Metals	2		3	
4		5		6	

Comments: **PLEASE USE 'CLIENT ID' AS THE SAMPLE ID AND EMAIL ASAP!**  
**Silver by 200.8**

Please email results to at [subdata@mcccampbell.com](mailto:subdata@mcccampbell.com) upon completion.

Date/Time		Date/Time	
Relinquished by: <i>[Signature]</i>	12/5/24	Received by: <i>[Signature]</i>	12/5/24 630
Relinquished by: <i>[Signature]</i>	12/5/24 945	Received by: <i>[Signature]</i>	12/6/24 0530
			12-6-24 0930

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





# McC Campbell Analytical, Inc.

"When Quality Counts"

## Analytical Report

**WorkOrder:** 2412182

**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 2024)

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

**Project Received:** 12/04/2024

Analytical Report reviewed & approved for release on 12/12/2024 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 regulatory standards, where applicable, unless otherwise stated in a case narrative.*





## Glossary of Terms & Qualifier Definitions

**Client:** PG&E Gateway Generating Station

**WorkOrder:** 2412182

**Project:** pH Sampling (December 2024)

### 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 IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit <sup>1</sup>
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 <sup>2</sup>
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

<sup>1</sup> 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.

<sup>2</sup> 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:** 2412182

**Project:** pH Sampling (December 2024)

SPK Val	Spike Value
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 Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



## Analytical Report

**Client:** PG&E Gateway Generating Station  
**Date Received:** 12/04/2024 12:35  
**Date Prepared:** 12/03/2024  
**Project:** pH Sampling (December 2024)

**WorkOrder:** 2412182  
**Extraction Method:** SM4500H+B  
**Analytical Method:** SM4500H+B  
**Unit:** pH units

### pH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2412182-001A	Water	12/03/2024 09:35	WetChem	307561

Analytes	Result	Accuracy	DE	Date Analyzed
pH	8.75	±0.05	1	12/03/2024 09:36

Analyst(s): JME



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2412182

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 (December 2024)

Bill to:

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

Requested TAT: 5 days;

Date Received: 12/04/2024  
Date Logged: 12/04/2024

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2412182-001	E-001	Water	12/3/2024 09:35	<input type="checkbox"/>	A	A										

Test Legend:

1	PH_W_SANJIV	2	PRDisposal Fee	3		4	
5		6		7		8	
9		10		11		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.



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

## WORK ORDER SUMMARY

**Client Name:** PG&E GATEWAY GENERATING STATION

**Project:** pH Sampling (December 2024)

**Work Order:** 2412182

**Client Contact:** Sanjiv Gill

**QC Level:** LEVEL 2

**Contact's Email:** sanjivgill@comcast.net

**Comments:**

**Date Logged:** 12/4/2024

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

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	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"/>	12/3/2024 9:35	5 days	12/11/2024		<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).

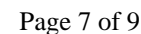
- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- 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.





### Logbook for Field pH Samples

[illegible]





## Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station  
Project: pH Sampling (December 2024)  
  
WorkOrder No: 2412182 Matrix: Water  
Carrier: Client Drop-In

Date and Time Received: 12/4/2024 12:35  
Date Logged: 12/4/2024  
Received by: Lilly Ortiz  
Logged by: Valerie Alfaro

### 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: 19.2°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)?	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. 16

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

3/30/2025

## 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 2/27/2025 11:34 AM		
							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.
	Lubricating Oil	Gallons	Max. Daily	Largest Cont.	Avg. Daily			1-DECENE, HOMOPOLYMER, HYDROGENATED	95%	68037-01-4
Combustible Liquid, Class III-B	CAS No	State	Storage Container		Pressue					
		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 2/27/2025 11:34 AM									
				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.	
	Mineral Oil	Gallons	Max. Daily	Largest Cont.	Avg. Daily				Dielectric Oil (Highly Refined Petro 100% Oil)					
	CAS No	State	Storage Container		Pressue									
		Liquid	Other		Ambient	Waste Code								
Combustible Liquid, Class III-B	Map: Figure 2    Grid: D6	Type			Temperature									
		Mixture	Days on Site: 365		> Ambient									

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	<b>PG&amp;E</b>	Chemical Location	CERS ID	<b>10018894</b>
Facility Name	<b>PG&amp;E GATEWAY GENERATING STATION</b>	<b>Ammonia and Scavenger Feed Skid</b>	Facility ID	<b>07-000-773723</b>
	3225 Wilbur Ave, Antioch 94509		Status	<b>Submitted</b> on 2/27/2025 11:34 AM

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	<b>NALCO 5711</b>	<b>Gallons</b>	<b>400</b>	<b>400</b>	<b>400</b>		- Physical	AMMONIA	15%	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Corrosive To	MEA	8%	
		Liquid	Plastic/Non-metalic Drum		Ambient		Metal			
	Map: Figure 2 Grid: C4	<u>Type</u>			<u>Temperature</u>		- 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 2/27/2025 11:34 AM	
						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: 8 - Corrosives (Liquids and Solids)	Aqua Ammonia (29%)	Gallons	18020	18020	18020		- Health Acute Toxicity	Ammonia	30%	✓ 7664-41-7	
	CAS No	State	Storage Container		Pressue	Waste Code	- Health Skin Corrosion				
	1336-21-6	Liquid	Aboveground Tank		Ambient		Irritation				
	Map: Figure 2 Grid: A6	Type			Temperature		- Health Serious				
		Mixture	Days on Site: 365		Ambient		Eye Damage Eye Irritation				
							- Health Specific Target Organ Toxicity				
							- Health Hazard Not Otherwise Classified				

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. <b>PG&amp;E</b>			Chemical Location				CERS ID	<b>10018894</b>		
Facility Name <b>PG&amp;E GATEWAY GENERATING STATION</b>			<b>Behind (East of) Plant Service Building and Shop Annex</b>				Facility ID	<b>07-000-773723</b>		
3225 Wilbur Ave, Antioch 94509							Status	<b>Submitted on 2/27/2025 11:34 AM</b>		
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	<b>Acetylene, Compressed</b>	<b>Cu. Feet</b>	<b>1740</b>	<b>145</b>	<b>1740</b>		- Physical	Acetylene	100%	74-86-2
Flammable Gas	CAS No 74-86-2 Map: Figure 2 Grid: B4	State Gas Type Pure	Storage Container Cylinder Days on Site: 365		Pressue > Ambient Temperature Ambient	Waste Code	Flammable - Physical Gas Under Pressure - Health Simple Asphyxiant - Health Hazard Not Otherwise Classified			
DOT: 2.1 - Flammable Gases	<b>Propane, Compressed</b>	<b>Gallons</b>	<b>111</b>	<b>9.6</b>	<b>74</b>		- Physical	Propane	100%	74-98-6
Flammable Gas	CAS No 74-98-6 Map: Figure 2 Grid: B4	State Liquid Type Pure	Storage Container Cylinder Days on Site: 365		Pressue > Ambient Temperature Ambient	Waste Code	Flammable - Physical Gas Under Pressure - Health Simple Asphyxiant - Health Hazard Not Otherwise Classified			
	<b>Shell Turbo Oil DR46</b>	<b>Gallons</b>	<b>110</b>	<b>55</b>	<b>110</b>			Highly Refined Petroleum Oil	99%	
Combustible Liquid, Class III-B	CAS No Map: Figure 2 Grid: C4	State Liquid Type Mixture	Storage Container Steel Drum Days on Site: 365		Pressue Ambient Temperature Ambient	Waste Code		Proprietary Additives	1%	



## 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 2/27/2025 11:34 AM			
					Annual Waste Amount	Hazardous Components (For mixture only)				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			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: 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 2/27/2025 11:34 AM

## 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 2/27/2025 11:34 AM		
				Annual Waste		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.
Combustible Liquid, Class III-B	Shell Turbo Oil T 32	Gallons	6000	6000	6000		Highly Refined Petroleum Oil	99%	
	CAS No	State	Storage Container		Pressue	Waste Code	Proprietary Additives	5%	
		Liquid	Other		Ambient				
	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				Combustion Turbine-B	Facility ID	07-000-773723			
	3225 Wilbur Ave, Antioch 94509					Status	Submitted on 2/27/2025 11:34 AM			
					Annual Waste Amount	Hazardous Components (For mixture only)				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Federal Hazard Categories				
			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			
	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. <b>PG&amp;E</b>		Chemical Location				CERS ID <b>10018894</b>					
Facility Name <b>PG&amp;E GATEWAY GENERATING STATION</b>		<b>Combustion Turbine-B Lube Oil Reservoir</b>				Facility ID <b>07-000-773723</b>					
3225 Wilbur Ave, Antioch 94509						Status <b>Submitted</b> on 2/27/2025 11:34 AM					
						Annual Waste		Hazardous Components			
						Amount		(For mixture only)			
DOT Code/Fire Haz. Class		Common Name	Unit	Quantities		Federal Hazard					
			Max. Daily	Largest Cont.	Avg. Daily	Categories		Component Name		% Wt	EHS CAS No.
Combustible Liquid, Class III-B		<b>Shell Turbo Oil T 32</b>	<b>Gallons</b>	<b>6000</b>	<b>6000</b>	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: C5	<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	Construction Power Transformer		Facility ID	07-000-773723
	3225 Wilbur Ave, Antioch 94509			Status	Submitted on 2/27/2025 11:34 AM
			Hazardous Components (For mixture only)		
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities	Annual Waste Amount	Federal Hazard Categories
			Max. Daily	Largest Cont.	Avg. Daily
	Mineral Oil	Gallons	390	390	390
	CAS No	State	Storage Container	Pressue	Waste Code
		Liquid	Other	Ambient	
Combustible Liquid, Class III-B	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 2/27/2025 11:34 AM		
				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	402	402	402			Dielectric Oil (highly refined petroleum oil)	100%	
	CAS No	State	Storage Container		Pressue					
		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 2/27/2025 11:34 AM				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)			
DOT: 8 - Corrosives (Liquids and Solids)	AlphaCell OPzS Stationary Flooded Tubular Lead Acid Battery	Gallons	Max. Daily	Largest Cont.	Avg. Daily		- Physical Explosive	Lead, Lead Compounds	% Wt	EHS	CAS No.
		State	Storage Container		Pressue						
Corrosive, Water Reactive, Class 2		Liquid	Other		Ambient	Waste Code	- Physical Corrosive To Metal	Sulfuric Acid	7%	✓	7664-93-9
		Type			Temperature		- Health Carcinogenicity				
		Mixture	Days on Site: 365		Ambient		- Health Acute Toxicity				
	Map: Figure 2    Grid: C6, C5						- 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 2/27/2025 11:34 AM

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	Mineral Oil	Gallons	6155	6155	6155			Dielectric Oil (highly refined petroleum oil)	100%	
	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

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 2/27/2025 11:34 AM		
				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	414	414	414			Dielectric Oil (highly refined petroleum oil)	100%	
	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

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 2/27/2025 11:34 AM					
		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.
	Mineral Oil	Gallons	1413	1413	1413	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 Main Step-Up Transformer		Facility ID	07-000-773723		
	3225 Wilbur Ave, Antioch 94509						Status	Submitted on 2/27/2025 11:34 AM		
				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	12800	12800	12800			Dielectric Oil (highly refined petroleum oil)	100%	
	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

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 2/27/2025 11:34 AM			
				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
Combustible Liquid, Class III-B	Mineral Oil	Gallons	6155	6155	6155			Dielectric Oil (highly refined petroleum oil)	100%
	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 2/27/2025 11:34 AM

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	Mineral Oil	Gallons	414	414	414			Dielectric Oil (highly refined petroleum oil)	100%	
	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 2/27/2025 11:34 AM				
				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	1413	1413	1413			Dielectric Oil (highly refined petroleum oil)	100%	
	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 Main Step-Up Transformer				Facility ID 07-000-773723			
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/27/2025 11:34 AM			
						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.
	Mineral Oil	Gallons	Max. Daily 12800	Largest Cont. 12800	Avg. Daily 12800		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: 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				Gas Conditioning Station	Facility ID	07-000-773723			
	3225 Wilbur Ave, Antioch 94509					Status	Submitted on 2/27/2025 11:34 AM			
					Annual Waste Amount	Hazardous Components (For mixture only)				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Federal Hazard Categories				
			Max. Daily	Largest Cont.	Avg. Daily		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 2/27/2025 11:34 AM					
						Annual Waste		Hazardous Components			
								(For mixture only)			
DOT Code/Fire Haz. Class		Common Name	Unit	Quantities		Annual Waste	Federal Hazard				
				Max. Daily	Largest Cont.	Avg. Daily	Amount	Categories	Component Name	% Wt	EHS CAS No.
DOT: 4.1 - Flammable Solids		Waste Flammable Solids, Organic	Pounds	100	500	66	750	- Physical	Flammable Solid, Organic	100%	
		CAS No	State	Storage Container		Pressue	Waste Code	Flammable			
Flammable Solid			Solid	Steel Drum		Ambient	352				
		Grid: B8, C3	Type			Temperature					
			Waste	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	Hazardous Mat/Waste Storage Area					Facility ID	07-000-773723	
	3225 Wilbur Ave, Antioch 94509						Status	Submitted on 2/27/2025 11:34 AM	
						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.
	Non-RCRA Mixed Oil	Gallons	132	55	87	363	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	3500	500	2310	5665			
	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	230	- 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

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 2/27/2025 11:34 AM								
		Quantities		Annual Waste	Hazardous Components							
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Federal Hazard	Amount	Categories	Component Name		(For mixture only)	
DOT: 8 - Corrosives (Liquids and Solids)	Waste Sodium Hydroxide	Pounds	5	10	5	5						
	Contaminated Debris	State	Storage Container		Pressue	Waste Code						
	CAS No	Solid	Can		Ambient	181						
		Type			Temperature							
	Map: Figure 2    Grid: B8, C3	Waste	Days on Site: 90		Ambient							

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. <b>PG&amp;E</b>			Chemical Location				CERS ID	<b>10018894</b>		
Facility Name <b>PG&amp;E GATEWAY GENERATING STATION</b>			<b>HRSGs (Heat Recovery Steam Generators) - A and B</b>				Facility ID	<b>07-000-773723</b>		
3225 Wilbur Ave, Antioch 94509							Status	<b>Submitted on 2/27/2025 11:34 AM</b>		
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	<b>Argon, Compressed Gas</b>	<b>Cu. Feet</b>	<b>1344</b>	<b>336</b>	<b>1344</b>		- Physical Gas Under Pressure - Health Simple Asphyxiant - Health Hazard Not Otherwise Classified	Argon	100%	
	CAS No	State	Storage Container		Pressue	Waste Code				
		Gas	Cylinder		> Ambient					
	Map: Figure 2 Grid: B5	Type			Temperature					
		Pure	Days on Site: 365		Ambient					
DOT: 2.2 - Nonflammable Gases	<b>Helium, Compressed</b>	<b>Cu. Feet</b>	<b>1344</b>	<b>336</b>	<b>1344</b>		- Physical Gas Under Pressure - Health Simple Asphyxiant - Health Hazard Not Otherwise Classified	Helium	100%	7440-59-7
	CAS No	State	Storage Container		Pressue	Waste Code				
	7440-59-7	Gas	Cylinder		> Ambient					
	Map: Figure 2 Grid: B5	Type			Temperature					
		Pure	Days on Site: 365		Ambient					
DOT: 2.2 - Nonflammable Gases	<b>Oxygen, Compressed</b>	<b>Cu. Feet</b>	<b>1124</b>	<b>281</b>	<b>1124</b>		- Physical Gas Under Pressure - Physical Oxidizer  - Health Hazard Not Otherwise Classified	Oxygen	100%	7782-44-7
Oxidizing Gas, Gaseous	CAS No	State	Storage Container		Pressue	Waste Code				
	7782-44-7	Gas	Cylinder		> Ambient					
	Map: Figure 2 Grid: B3, B5	Type			Temperature					
		Pure	Days on Site: 365		Ambient					
DOT: 2.2 - Nonflammable Gases	<b>EPA Protocol Gas (Carbon Monoxide/Nitrogen Mixture)</b>	<b>Cu. Feet</b>	<b>1440</b>	<b>144</b>	<b>1440</b>		- Physical Gas Under Pressure - Health Simple Asphyxiant	Nitrogen Carbon Monoxide	88% 13%	7727-37-9 630-08-0
	CAS No	State	Storage Container		Pressue	Waste Code				
		Gas	Cylinder		> Ambient					
	Map: Figure 2 Grid: B5	Type			Temperature					
		Mixture	Days on Site: 365		Ambient					
DOT: 2.2 - Nonflammable Gases	<b>EPA Protocol Gas Carbon Monoxide 11/Nitric/Nitrogen Mixture</b>	<b>Cu. Feet</b>	<b>864</b>	<b>144</b>	<b>864</b>		- Physical Gas Under Pressure - Health Simple Asphyxiant	Nitrogen Nitric Oxide Carbon Monoxide	99% 1% 10%	7727-37-9 10102-43-9 630-08-0
	CAS No	State	Storage Container		Pressue	Waste Code				
		Gas	Cylinder		> Ambient					
	Map: Figure 2 Grid: B5	Type			Temperature					
		Mixture	Days on Site: 365		Ambient					
DOT: 2.2 - Nonflammable Gases	<b>EPA Protocol Gas Carbon Monoxide 660/Nitric/Nitrogen Mixture</b>	<b>Cu. Feet</b>	<b>864</b>	<b>144</b>	<b>864</b>		- Physical Gas Under Pressure - Health Simple Asphyxiant	Nitrogen Nitric Oxide Carbon Monoxide	99% 1% 20%	7727-37-9 10102-43-9 630-08-0
	CAS No	State	Storage Container		Pressue	Waste Code				
		Gas	Cylinder		> Ambient					
	Map: Figure 2 Grid: B5	Type			Temperature					
		Mixture	Days on Site: 365		Ambient					
DOT: 2.2 - Nonflammable Gases	<b>EPA Protocol Gas Nitric/Nitrogen Mixture</b>	<b>Cu. Feet</b>	<b>576</b>	<b>144</b>	<b>576</b>		- Physical Gas Under Pressure - Health Simple Asphyxiant	Nitrogen Nitric Oxide	99% 2%	7727-37-9 10102-43-9
	CAS No	State	Storage Container		Pressue	Waste Code				
		Gas	Cylinder		> Ambient					
	Map: Figure 2 Grid: B5	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		HRSGs (Heat Recovery Steam Generators) - A and B				Facility ID	07-000-773723			
	3225 Wilbur Ave, Antioch 94509						Status	Submitted on 2/27/2025 11:34 AM			
						Annual Waste	Federal Hazard	Hazardous Components			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Amount	Categories	(For mixture only)			
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases	EPA Protocol Gas	Cu. Feet	1152	144	1152		- Physical Gas	Nitrogen	99%		7727-37-9
	Nitrogen/Oxygen Mixture	State	Storage Container		Pressue	Waste Code	Under Pressure	Oxygen	20%		7782-44-7
		Gas	Cylinder		> Ambient		- Health Simple				
		CAS No			Temperature		Asphyxiant				
		Type									
	Map: Figure 2    Grid: B5	Mixture	Days on Site: 365		Ambient						

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. <b>PG&amp;E</b>		Chemical Location				CERS ID	<b>10018894</b>			
Facility Name <b>PG&amp;E GATEWAY GENERATING STATION</b>		<b>HRSGs (Heat Recovery Steam Generators) - A and B,</b>				Facility ID	<b>07-000-773723</b>			
3225 Wilbur Ave, Antioch 94509		<b>Attached to Transformers</b>				Status	<b>Submitted on 2/27/2025 11:34 AM</b>			
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	<b>Nitrogen, Compressed</b>	<b>Cu. Feet</b>	<b>3263</b>	<b>251</b>	3263		- Physical Gas	Nitrogen	100%	7727-37-9
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Under Pressure			
	7727-37-9	Gas	Cylinder		> Ambient		- Health Simple			
	Map: Figure 2    Grid: B5,C4,C5,C6	<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		Hydrogen Bulk Storage				Facility ID	07-000-773723			
	3225 Wilbur Ave, Antioch 94509						Status	Submitted on 2/27/2025 11:34 AM			
			Quantities			Annual Waste	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.	
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	Type			Temperature		Under Pressure				
	Grid: D1	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 2/27/2025 11:34 AM		
					Annual Waste Amount	Hazardous Components (For mixture only)			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Federal Hazard Categories			
			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 2/27/2025 11:34 AM
				</	

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	<b>PG&amp;E</b>	Chemical Location	CERS ID	<b>10018894</b>
Facility Name	<b>PG&amp;E GATEWAY GENERATING STATION</b>	<b>Plant Services Building</b>	Facility ID	<b>07-000-773723</b>
	3225 Wilbur Ave, Antioch 94509		Status	<b>Submitted</b> on 2/27/2025 11:34 AM

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)	<b>GNB Flooded HCT 37 Lead Acid Battery</b>	<b>Gallons</b>	<b>834</b>	<b>14</b>	<b>834</b>		- Physical	Lead	52%	7439-92-1
		<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>		Explosive			
Corrosive, Water Reactive, Class 2	<u>CAS No</u>	Liquid	Other		Ambient	<u>Waste Code</u>	- Physical	Sulfuric Acid	44%	✓ 7664-93-9
		<u>Type</u>			<u>Temperature</u>		Corrosive To Metal	Lead Dioxide	21%	1309-60-0
	Map: Figure 2 Grid: B4	Mixture	Days on Site: 365		Ambient		- 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				RO Water Treatment	Facility ID	07-000-773723			
	3225 Wilbur Ave, Antioch 94509					Status	Submitted on 2/27/2025 11:34 AM			

## Hazardous Materials And Wastes Inventory Matrix Report

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 2/27/2025 11:34 AM					
						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

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 2/27/2025 11:34 AM					
		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.
	Hydraulic Oil	Gallons	130	130	130	Highly refined mineral oil (C15 - C50)	99%		
	CAS No	State	Storage Container		Pressue	Waste Code			
Combustible Liquid, Class III-B	Map: Figure 2 Grid: C4	Liquid	Other		Ambient				
		Type			Temperature				
		Mixture	Days on Site: 365		> Ambient				

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. <b>PG&amp;E</b>		Chemical Location				CERS ID <b>10018894</b>				
Facility Name <b>PG&amp;E GATEWAY GENERATING STATION</b>		<b>ST Excitation Transformer</b>				Facility ID <b>07-000-773723</b>				
3225 Wilbur Ave, Antioch 94509						Status <b>Submitted</b> on 2/27/2025 11:34 AM				
						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.
Combustible Liquid, Class III-B	<b>Mineral Oil</b>	<b>Gallons</b>	<b>414</b>	<b>414</b>	414			Dielectric Oil (highly refined petroleum oil)	100%	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>					
		Liquid	Other		Ambient	<u>Waste Code</u>				
	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		ST Main Step-Up Transformer				Facility ID 07-000-773723				
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/27/2025 11:34 AM				
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	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

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 2/27/2025 11:34 AM		
				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	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

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 2/27/2025 11:34 AM					
						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.
		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	Metal				
Corrosive		Map: Figure 2 Grid: C9	Type			Temperature	- Health Serious				
			Mixture	Days on Site: 365		Ambient	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	Switchyard	Facility ID	07-000-773723
	3225 Wilbur Ave, Antioch 94509		Status	Submitted on 2/27/2025 11:34 AM

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)	Lead Calcium Batteries	Gallons	90	1.5	90		- Physical	Lead Calcium	65%	7439-92-1
	CAS No	State	Storage Container		Pressue		Explosive			
Explosive, Corrosive, Water Reactive, Class 2	Map: Figure 2 Grid: D4	Liquid	Other		Ambient	Waste Code	- Physical	sulfuric Acid	27%	7664-93-9
		Type			Temperature		Corrosive To Metal			
		Mixture	Days on Site: 365		Ambient		- Health			
							Carcinogenicity			
							- Health Acute			
							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			Warehouse			Facility ID	07-000-773723			
	3225 Wilbur Ave, Antioch 94509						Status	Submitted on 2/27/2025 11:34 AM			

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. <b>PG&amp;E</b>		Chemical Location				CERS ID <b>10018894</b>					
Facility Name <b>PG&amp;E GATEWAY GENERATING STATION</b>		<b>Warehouse</b>				Facility ID <b>07-000-773723</b>					
3225 Wilbur Ave, Antioch 94509						Status <b>Submitted</b> on 2/27/2025 11:34 AM					
						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.
Corrosive		<b>Polypropylene glycol bis (aminopropyl) ether</b>	<b>Gallons</b>	<b>66.5</b>	<b>1.85</b>	66.5	- Health Acute	Polyoxyalkyleneamine	60%		9046-10-0
			<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	Toxicity	Nonyl Phenol	40%		84852-15-3
			<u>Liquid</u>	<u>Other</u>		<u>Ambient</u>	- Health Skin				
		<u>CAS No</u>	<u>Type</u>			<u>Temperature</u>	Corrosion				
		9046-10-0	<u>Mixture</u>			<u>Ambient</u>	Irritation				
	Map: Figure 2    Grid: B8		Days on Site: 365				- Health Serious				
							Eye Damage Eye				
							Irritation				
							- 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				Warehouse - Hazardous Mat/Waste Storage	Facility ID	07-000-773723				
	3225 Wilbur Ave, Antioch 94509					Status	Submitted on 2/27/2025 11:34 AM				

## 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 - Hazardous Mat/Waste Storage					Facility ID	07-000-773723
	3225 Wilbur Ave, Antioch 94509						Status	Submitted on 2/27/2025 11:34 AM
						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
	NON-RCRA Hazardous Solids	Pounds	400	100	400	400		Empty Drums
	(Empty Drums)	State	Storage Container		Pressue	Waste Code		100%
		Solid	Other			512		
	CAS No	Type			Temperature			
	Grid: B8, C3	Waste	Days on Site: 365					

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	<b>PG&amp;E</b>	Chemical Location	CERS ID	<b>10018894</b>
Facility Name	<b>PG&amp;E GATEWAY GENERATING STATION</b>	<b>Warehouse, Behind (East of) Plant Service Building and</b>	Facility ID	<b>07-000-773723</b>
	3225 Wilbur Ave, Antioch 94509	<b>Shop Annex Flammable Cabinet, Hazardous Mat/Waste Storage</b>	Status	<b>Submitted on 2/27/2025 11:34 AM</b>

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	<b>Shell Morlina</b>	<b>Gallons</b>	<b>150</b>	<b>5</b>	<b>67</b>			HIGHLY REFINED BASE OILS	99%	64742-54-7
	CAS No	State	Storage Container		Pressue	Waste Code				
		Liquid	Plastic Bottle or Jug		Ambient					
	Map: Figure 2 Grid: C4, B8-9	Type			Temperature					
		Mixture	Days on Site: 365		Ambient					
Combustible Liquid, Class III-B	<b>Shell Turbo</b>	<b>Gallons</b>	<b>150</b>	<b>5</b>	<b>67</b>			HIGHLY REFINED BASE OILS	99%	64742-54-7
	CAS No	State	Storage Container		Pressue	Waste Code				
		Liquid	Plastic Bottle or Jug		Ambient					
	Map: Figure 2 Grid: C4, B8-9	Type			Temperature					
		Mixture	Days on Site: 365		Ambient					



## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. <b>PG&amp;E</b>		Chemical Location				CERS ID <b>10018894</b>				
Facility Name <b>PG&amp;E GATEWAY GENERATING STATION</b>		<b>Warehouse, Behind Plant Services Building</b>				Facility ID <b>07-000-773723</b>				
3225 Wilbur Ave, Antioch 94509						Status <b>Submitted</b> on 2/27/2025 11:34 AM				
						Hazardous Components (For mixture only)				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories			
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	<b>Gear Lubricant (Shell Omala S4 GX 320)</b>	<b>Gallons</b>	<b>170</b>	<b>5</b>	170			Highly Refined Petroleum Oil	99%	
	<u>State</u>	<u>Storage Container</u>			<u>Pressue</u>	<u>Waste Code</u>		Proprietary Additives	1%	
	<u>CAS No</u>	<u>Liquid</u>	Plastic/Non-metalic Drum			<u>Ambient</u>				
		<u>Type</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: B8-9, C4	<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, Stormwater Treatment System				Facility ID	07-000-773723			
	3225 Wilbur Ave, Antioch 94509						Status	Submitted on 2/27/2025 11:34 AM			
			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.
Corrosive	Sodium Hydroxide (10-50%)	Gallons	30	30	15		- Physical	SODIUM HYDROXIDE	50%		1310-73-2
	CAS No	State	Storage Container			Pressue	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.	<b>PG&amp;E</b>	Chemical Location	CERS ID	<b>10018894</b>
Facility Name	<b>PG&amp;E GATEWAY GENERATING STATION</b>	<b>Water Treatment Building / Fire Water Pump House</b>	Facility ID	<b>07-000-773723</b>
	3225 Wilbur Ave, Antioch 94509		Status	<b>Submitted on 2/27/2025 11:34 AM</b>

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	<b>Diesel Fuel</b>	<b>Gallons</b>	<b>500</b>	<b>500</b>	<b>500</b>		- Physical	Diesel Fuel	100%	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</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	<b>Interstate Workaholic Lead Acid Battery</b>	<b>Gallons</b>	<b>9</b>	<b>4.5</b>	<b>9</b>		- Physical	Sulfuric Acid	35%	✓ 7439-92-1
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Explosive			
		Liquid	Other		Ambient		- Physical			
	Map: Figure 2 Grid: C1	<u>Type</u>			<u>Temperature</u>		Corrosive To			
		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

CERS Business/Org. <b>PG&amp;E</b>		Chemical Location				CERS ID <b>10018894</b>				
Facility Name <b>PG&amp;E GATEWAY GENERATING STATION</b>		<b>Water Treatment Chemical Storage</b>				Facility ID <b>07-000-773723</b>				
3225 Wilbur Ave, Antioch 94509						Status <b>Submitted</b> on 2/27/2025 11:34 AM				
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.
	<b>NALCO 7408</b>	<b>Gallons</b>	<b>65</b>	<b>65</b>	65		- Health Skin	Sodium Bisulfite	60%	7631-90-5
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Corrosion	Proprietary	70%	
	Map: Figure 2 Grid: C2	Liquid	Plastic/Non-metalic Drum		Ambient		Irritation			
		<u>Type</u>			<u>Temperature</u>		- Health			
		Mixture	Days on Site: 365		Ambient		Respiratory Skin			
							Sensitization			
						- Health Serious				
						Eye Damage Eye				
						Irritation				
Corrosive	<b>NALCO Stabrex ST20</b>	<b>Gallons</b>	<b>65</b>	<b>65</b>	65		- 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%	
	Map: Figure 2 Grid: C2	Liquid	Plastic/Non-metalic Drum		Ambient		Metal			
		<u>Type</u>			<u>Temperature</u>		- 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 2/27/2025 11:34 AM				
					Annual Waste	Hazardous Components				
					Amount	Federal Hazard	(For mixture only)			
DOT Code/Fire Haz. Class		Common Name	Unit	Quantities		Categories				
				Max. Daily	Largest Cont.	Avg. Daily		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			
			Liquid	Plastic/Non-metalic Drum		Ambient	Waste Code Irritation	Sulfuric Acid	5%	7664-93-9
Corrosive		Map: Figure 2 Grid: C3	Type			Temperature		Tolyltriazole	5%	29385-43-1
			Mixture	Days on Site: 365		Ambient				

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. <b>PG&amp;E</b>		Chemical Location				CERS ID <b>10018894</b>						
Facility Name <b>PG&amp;E GATEWAY GENERATING STATION</b>		<b>WSAC Chemical Feed Skid</b>				Facility ID <b>07-000-773723</b>						
3225 Wilbur Ave, Antioch 94509						Status <b>Submitted</b> on 2/27/2025 11:34 AM						
						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.
		<b>NALCO Stabrex ST70</b>	<b>Gallons</b>	<b>110</b>	<b>110</b>	<b>110</b>	- 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. 16

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)



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).

## TABLE OF CONTENTS

	Page
<b>EXECUTIVE SUMMARY</b>	<b>i</b>
<b>LIST OF TABLES</b>	<b>iv</b>
<b>LIST OF FIGURES</b>	<b>iv</b>
<b>1. INTRODUCTION</b>	<b>1</b>
1.1 Background and Requirements	1
1.2 SWPPP Performance Standards	2
1.3 SWPPP Implementation and Revisions	2
1.4 General Facility Information	2
1.5 Pollution Prevention Team	3
<b>2. SITE LAYOUT AND EXISTING FACILITY PLANS (PERMIT SECTION X.E)</b>	<b>5</b>
<b>3. LIST OF INDUSTRIAL MATERIALS (PERMIT SECTION X.F)</b>	<b>7</b>
3.1 List of Industrial Materials Handled at the Facility	7
<b>4. DESCRIPTION OF POTENTIAL POLLUTANT SOURCES (PERMIT SECTION X.F AND G)</b>	<b>12</b>
4.1 Industrial Processes	12
4.2 Material Receiving, Shipping, and Handling	13
4.3 Dust and Particle Generating Activities	14
4.4 Significant Spills and Leaks	14
4.5 Non-Storm Water Discharges	14
4.6 Erodible Surfaces	15
<b>5. ASSESSMENT OF POTENTIAL POLLUTANT SOURCES (PERMIT SECTION X.G.2)</b>	<b>16</b>
5.1 Narrative Assessment of Likely Pollutants Present in Storm Water Discharges	16
5.2 Identification of Additional BMPs	16
5.3 Identification of Drainage Areas with No Exposure	16
5.4 Identification of Additional Parameters	16
<b>6. STORM WATER BEST MANAGEMENT PRACTICES (PERMIT SECTION X.H)</b>	<b>17</b>
6.1 Minimum BMPs (PERMIT SECTION X.H.1)	17
6.1.1 Good Housekeeping	17
6.1.2 Spill and Leak Spill and Leak Prevention	18
6.1.3 Spill and Leak Response	18
6.1.4 Material Handling and Waste Management	19
6.1.5 Erosion and Sediment Controls	19
6.1.6 Employee Training Program	19
6.1.7 Quality Assurance and Record-Keeping	20
6.2 Advanced BMPs (Permit Section X.H.2)	20
6.2.1 Exposure Minimization BMPs	20
6.2.2 Storm Water Containment and Discharge Reduction BMPs	20
6.2.3 Treatment Control BMPs	20

## TABLE OF CONTENTS

	<b>Page</b>
6.2.4 Other Advanced BMPs	21
<b>7. TEMPORARY SUSPENSION OF ACTIVITIES (PERMIT SECTION X.H.3)</b>	<b>22</b>
<b>8. BMP SUMMARY (PERMIT SECTIONS X.H.4 AND 5)</b>	<b>23</b>
<b>9. MONITORING IMPLEMENTATION PLAN (PERMIT SECTION X.I)</b>	<b>25</b>
<b>10. ANNUAL REPORTING (PERMIT SECTIONS XV AND XVI)</b>	<b>29</b>
<b>REFERENCES</b>	<b>30</b>

## TABLES

## FIGURES

**APPENDIX A - General Permit for Storm Water Discharges Associated with Industrial Activities  
(Order No. 2014-0057-DWQ)**

**APPENDIX B – Permit Registration Documents**

**APPENDIX C – SWPPP Amendment Form**

**APPENDIX D – Training Log**

**APPENDIX E – Industrial Storm Water Facility Inspection and Visual Observation Form**

**- Annual Evaluation Form**

**- Sampling Log**

**APPENDIX F – General Permit Attachment H “Sample Collection and Handling Instructions” and  
Example Chain of Custody Form**

**APPENDIX G – Annual Reports**

**APPENDIX H – ERA Evaluation(s) and Report(s)**

**APPENDIX I – Advanced Treatment System (Chemical & Filtration) Operating Manual, including  
the Gateway Generation Station Quick Operations Guide and Operating Log**

## **LIST OF TABLES**

<b>Table No.</b>	<b>Title</b>
I	Pollution Prevention Team
II	Industrial Materials Handled at the Facility
III	BMP Summary
IV	NAL Values

## **LIST OF FIGURES**

<b>Figure No.</b>	<b>Title</b>
1	Site Location Map
2	Facility Details
3	Storm Water Flow and BMP Map

## 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**

<b>Name of Person</b>	<b>Title/Position</b>	<b>Responsibilities, Duties, and Activities</b>
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.
<b>Name of Person</b>	<b>Title/Position</b>	<b>Responsibilities, Duties, and Activities</b>
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**

<b>Material</b>	<b>How Stored</b>	<b>Receiving/Shipping and Handling Frequency</b>	<b>Storage Location</b>	<b>Typical Quantities</b>
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

<b>Material</b>	<b>How Stored</b>	<b>Receiving/Shipping and Handling Frequency</b>	<b>Storage Location</b>	<b>Typical Quantities</b>
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

<b>Material</b>	<b>How Stored</b>	<b>Receiving/Shipping and Handling Frequency</b>	<b>Storage Location</b>	<b>Typical Quantities</b>
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



<b>Material</b>	<b>How Stored</b>	<b>Receiving/Shipping and Handling Frequency</b>	<b>Storage Location</b>	<b>Typical Quantities</b>
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

<b>Material</b>	<b>How Stored</b>	<b>Receiving/Shipping and Handling Frequency</b>	<b>Storage Location</b>	<b>Typical Quantities</b>
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**

<b>Drainage Area</b>	<b>BMPs Implemented</b>	<b>Associated Industrial Pollutant Sources</b>	<b>Potential Industrial Pollutants</b>	<b>Frequency of BMP Implementation</b>
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**

<b>Parameter</b>	<b>Test Method</b>	<b>Reporting Units</b>	<b>Annual NAL</b>	<b>Instantaneous Maximum NAL</b>
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 1<sup>st</sup> 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 15<sup>th</sup> 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.

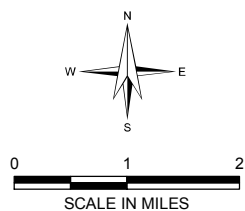
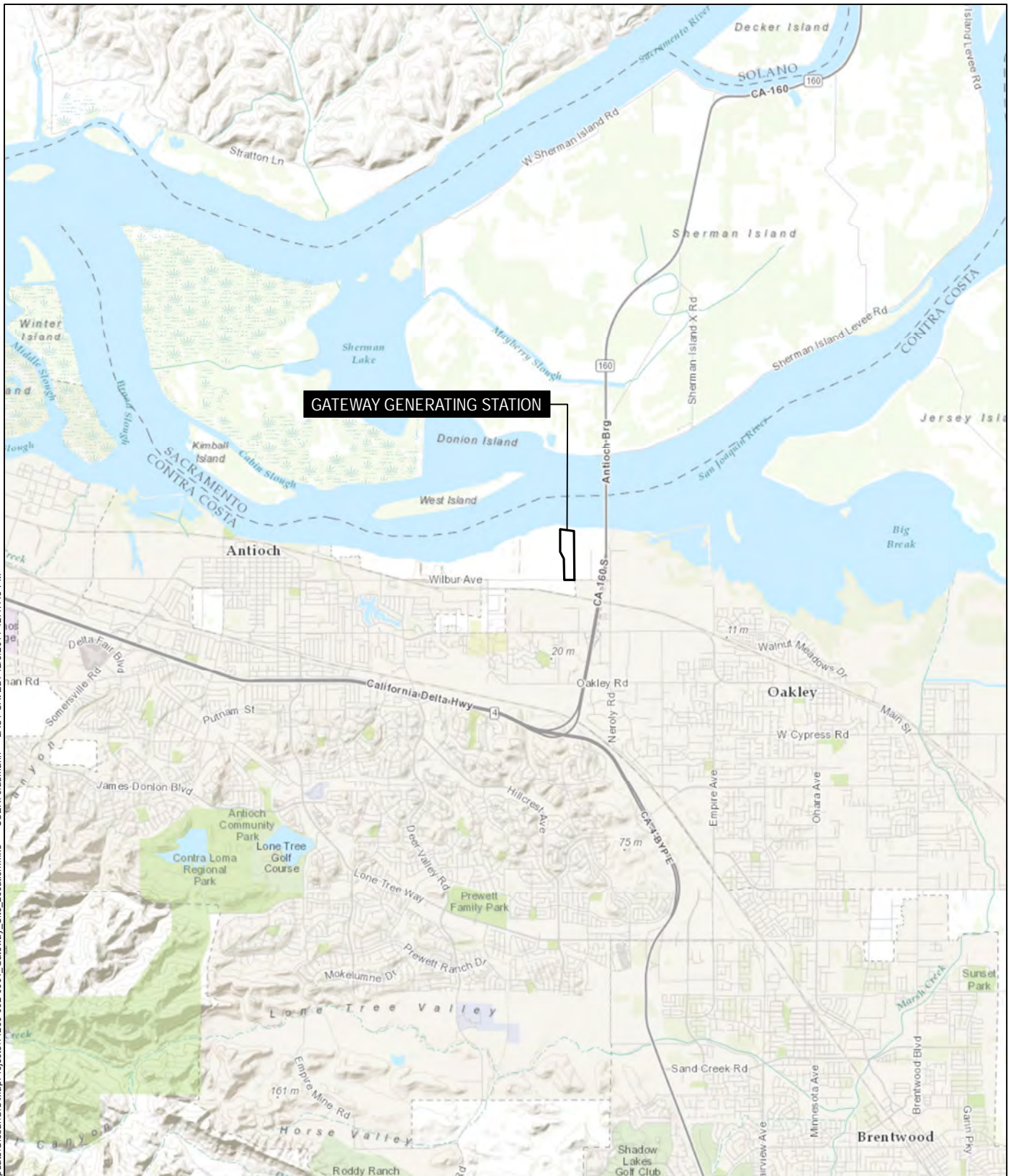
Copies of the Annual Report are included in Appendix G.

## 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



BASE-MAP SOURCE: ESRI

**HALEY & ALDRICH**

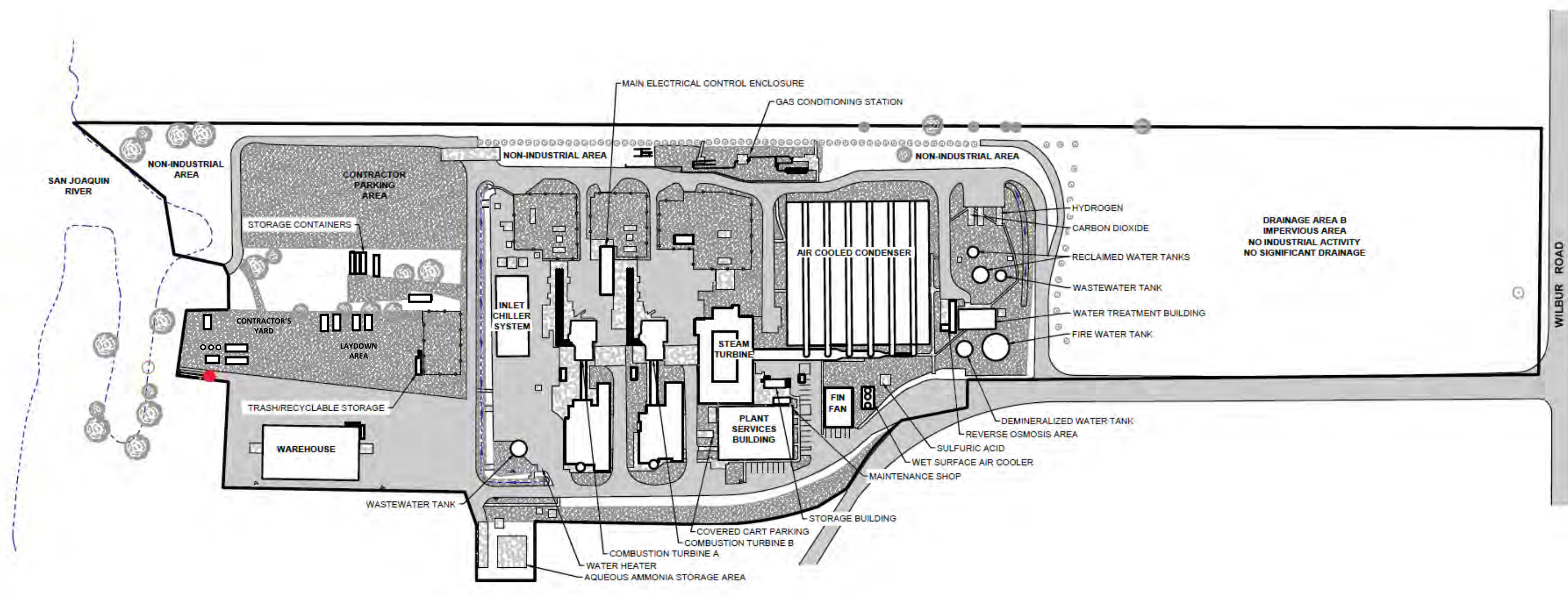
PACIFIC GAS AND ELECTRIC COMPANY  
GATEWAY GENERATING STATION  
ANTIOCH, CALIFORNIA

## SITE LOCATION

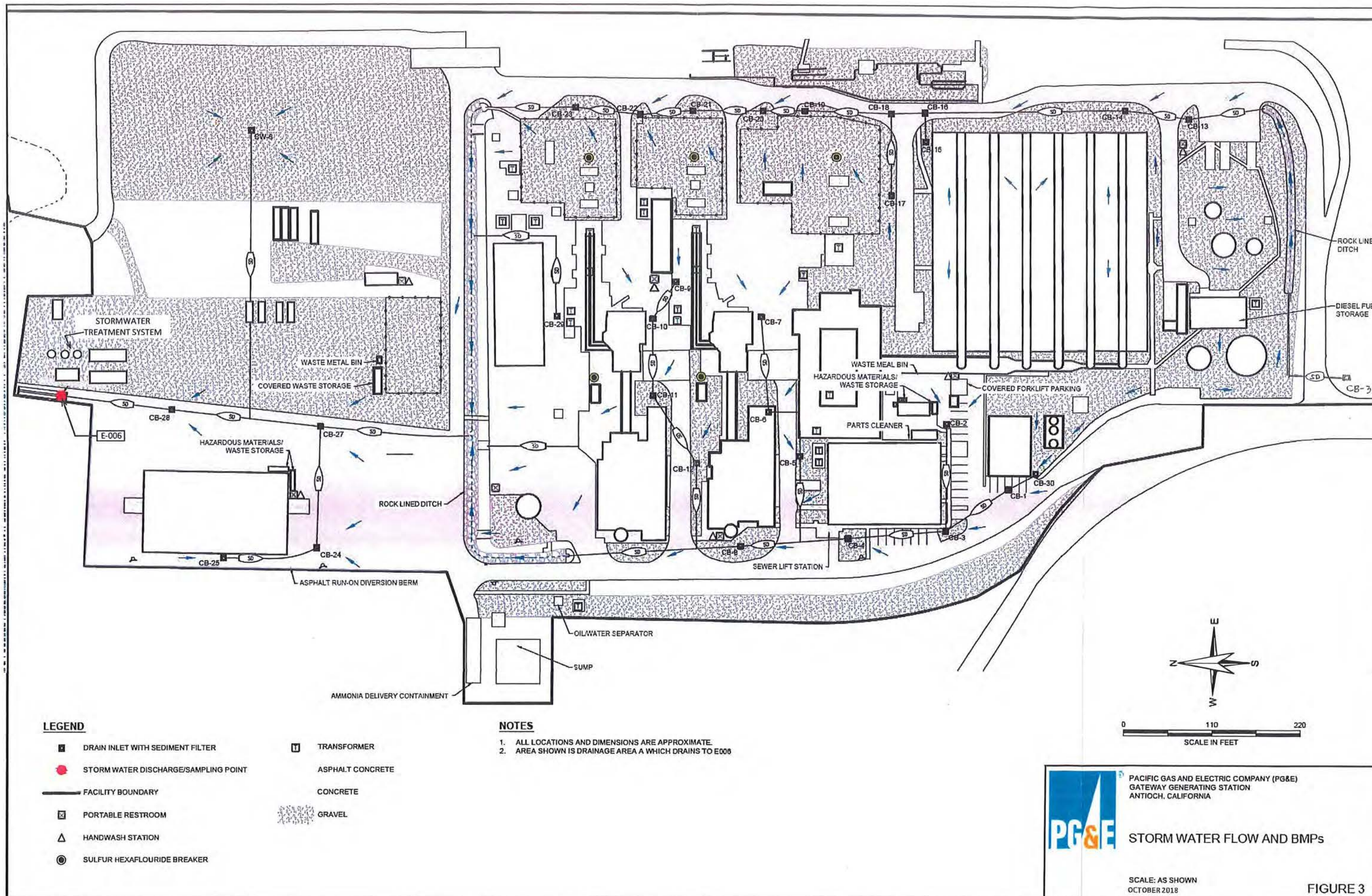
DECEMBER 2014

FIGURE 1











## **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)



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: 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 <sup>1,2</sup>	<input type="checkbox"/> Monthly Visual Observation <input type="checkbox"/> Sampling Event Visual Observation					
Weather Information						
<b>Weather at time of this inspection?</b> <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: _____						
<b>If this is a sampling event visual observation, fill in storm event information:</b> 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				

<sup>1</sup> 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.

<sup>2</sup> 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.

	<b>Structural Control Measure</b>	<b>Control Measure is Operating Effectively?</b>	<b>If No, In Need of Maintenance, Repair, or Replacement?</b>	<b>Corrective Action Needed and Notes</b> (identify needed maintenance and repairs, or any failed control measures that need replacement)	<b>Date Corrective Action Completed</b>	<b>Initials of Person Responsible for the Correction Action</b>
1	<b>Drain Inlets</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement			
2	<b>Secondary Containment: Transformers</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement			
3	<b>Secondary Containment: Turbines/Oil-filled Equipment</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement			
4	<b>Secondary Containment: Firewater Pump Bldg</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement			
5	<b>Secondary Containment: Hazardous Material/Waste Sheds</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement			
6	<b>Trash/Scrap Dumpsters</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement			
7	<b>Oil/Used Oil Storage</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement			
8	<b>Ditches/Outfall</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement			
9	<b>Iron Treatment System</b>	<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	<b>Material loading/unloading and storage areas</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No			
2	<b>Equipment operations and maintenance areas</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No			
3	<b>Fueling areas</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No			
4	<b>Outdoor vehicle and equipment washing areas</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No			
5	<b>Waste handling and disposal areas</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No			
6	<b>Erodible areas/construction</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No			
7	<b>Non-storm water/ illicit connections*</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No			
8	<b>Dust generation and vehicle tracking</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No			
9	<b>General Housekeeping</b>	<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.	
<b>Inspector Information</b>	
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 duplicates taken? <input 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 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](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.<sup>1</sup>
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.

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<sup>1</sup> 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  $\pm 0.5$  s.u.

Accuracy for turbidity  $\pm 15\text{-}20$  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:   Laboratory:  Laboratory Contact:_____				Project:				ANALYSIS REQUIRED																																			
								Total Suspended Solids	Oil & Grease	Total Iron																		Field readings: (Include units) Time of readings _____  pH _____ pH unit  Field readings QC: Checked by: _____  Date _____															
Sample I.D.				Sampling Date/Time		Preservative	Bottle #																						Comments														
Outfall 001	W																																										
Outfall 002	W																																										
Outfall 003	W																																										
Duplicate	W																																										
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. 16

Exhibit 7  
Biological Record Summaries  
(BIO-2)

# Gateway Generating Station California Energy Commission 2024 Annual Biological Compliance Report Draft

**Date:** March 13, 2025  
**Project Name:** Gateway Generating Station 2024 Biological Resources Support Project  
**Project No:** D31321EK  
**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

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## 1. Introduction

The California Energy Commission's (CEC) Condition of Certification (COC) for the Gateway Generating Station (GGS) 2024 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 2024 Biological Resources Compliance Report fulfills COC BIO-2. This report covers the reporting period from January 1, 2024, to December 31, 2024 (the 2024 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) Scott Lindemann or Biological Monitor (BM) Sean O'Neal performed pre-disturbance surveys 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 2024 calendar year are documented in chronological order below.

- **March 3:** Aman Prakash Singh, Maintenance Supervisor for the Gateway Generating Station, contacted the DB (Mr. Lindemann) and PG&E Biologist Amy Krisch to inform them that an Anna's hummingbird (*Calypte anna*) nest was discovered in the afternoon by one of the GGS operators (Photo 1). An adult female hummingbird was photographed on the nest incubating (Photo 2). It was located on the on the west/southwest side of the 4160 Motor Control Center. The area around the nest was barricaded off with a 15-foot buffer and plant personnel were notified to avoid the area.
- **March 18:** Matt Fiedler, Fossil Operations Supervisor for the Gateway Generating Station notified Mr. Lindemann and Ms. Krisch that the nest appeared to be empty, and workers had not noticed any activity around the nest in the last week. Later that afternoon Mr. Singh inspected the nest and found it to be empty. Ms. Krisch confirmed the nest was inactive, and the nest was removed.

- **March 22:** Mr. Singh contacted Mr. Lindemann to schedule a pre-disturbance nesting bird survey at the facility prior to vegetation management activities (mowing). Mr. O'Neal was scheduled to visit the site the March 28 to perform the nesting bird survey.
- **March 28:** Mr. O'Neal arrived at GGS at 07:30, took the site safety training, and proceeded to survey the facility for nesting birds (Photo 3). No nests or nesting activity was observed during the survey of the areas that will be mowed by vegetation control crews. Sean communicated the results to Doug Welch (PG&E) and Mr. Singh.
- **April 12:** Mr. Singh contacted Mr. Lindemann to schedule another nesting bird survey, as the landscaping company had completed their mowing activities the previous week but were not able to complete herbicide spraying due to wet weather. Mr. O'Neil was scheduled to complete another nesting bird survey on April 15.
- **April 15:** Mr. O'Neal arrived at GGS at 07:00 and proceeded to survey the facility for nesting birds (Photos 4 and 5). No nests were found within any of the herbicide application areas. Sean communicated the results to Mr. Singh and to the landscaping crew.

### 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 Photos**

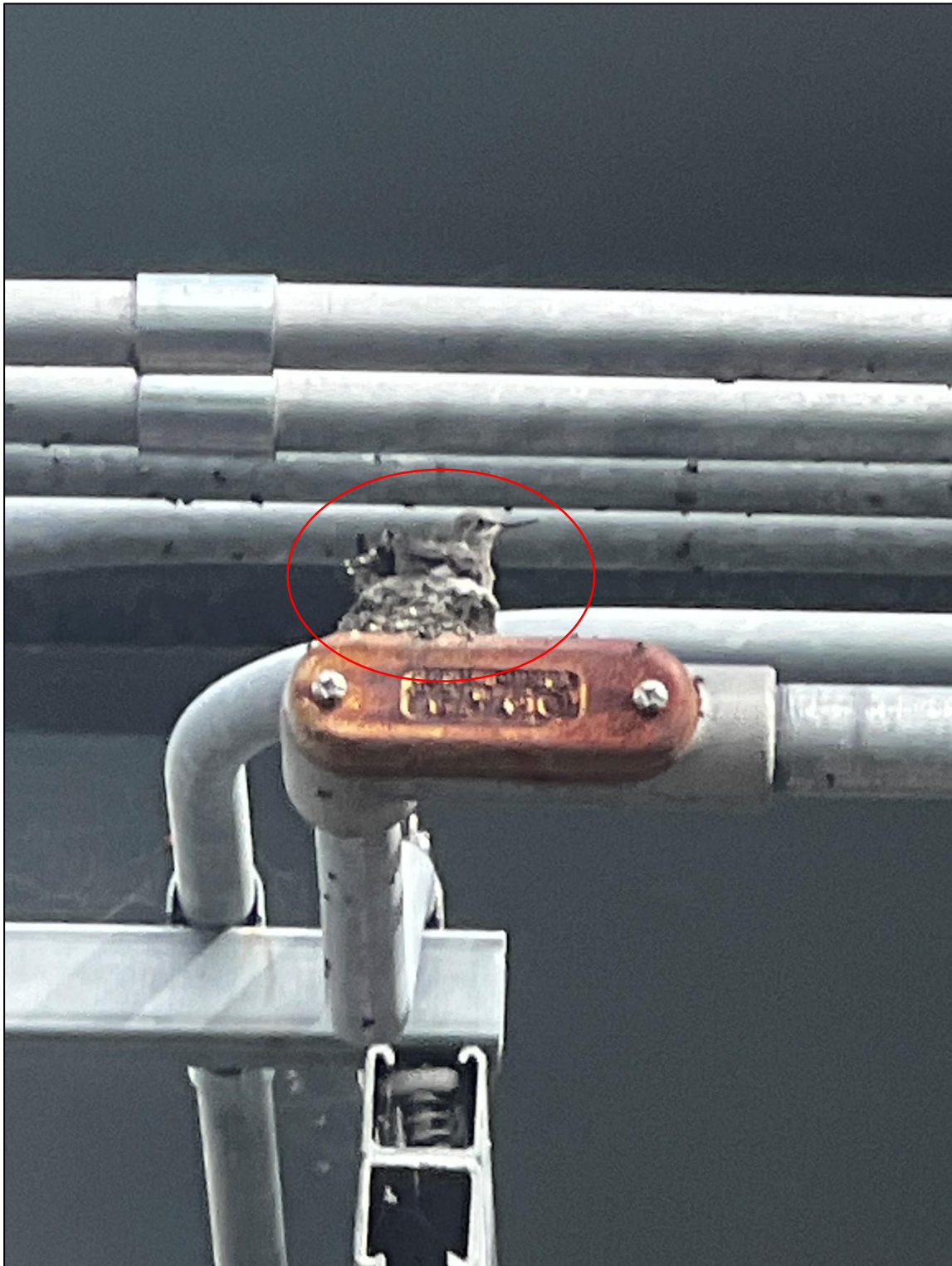


## Memorandum

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**Photo 1:** Anna's hummingbird nest with observed inside the facility on March 3, 2024. Nest noted in red circled area. It was located on the on the west/southwest side of the 4160 Motor Control Center. The area around the nest was barricaded off with red and white flagging tape in a 15-foot buffer, and plant personnel were notified to avoid the area.



**Photo 2:** Detailed view of Anna's hummingbird nest on March 3, 2024, circled in red. Note adult female Anna's hummingbird incubating the nest.

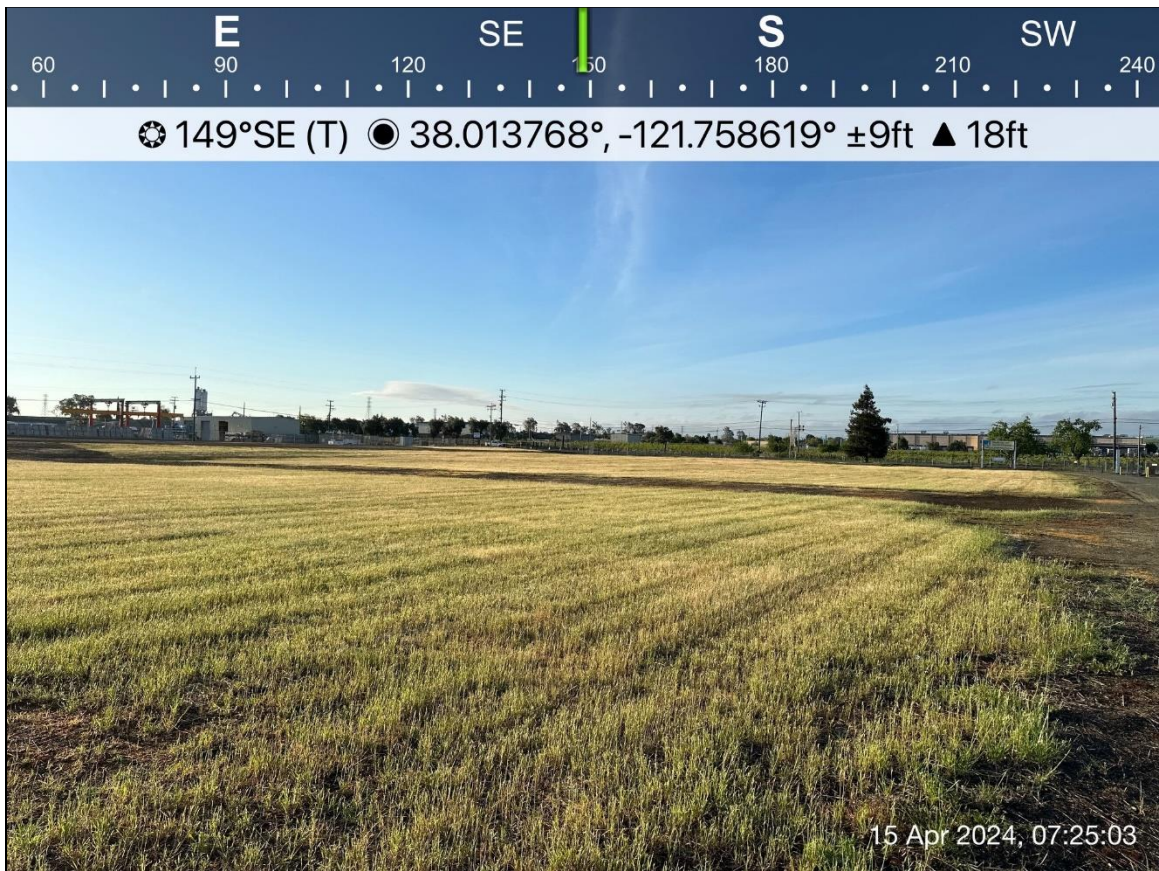


# Memorandum



**Photo 3:** Representative view of area surveyed during nesting bird survey on March 28, 2024, prior to vegetation management activities. Photo taken in the field south of the GGS, facing south.

# Memorandum



**Photo 4:** Representative view of area surveyed during nesting bird survey on April 15, 2024, prior to vegetation management activities. Photo taken in the field south of the GGS, facing south.



## Memorandum



**Photo 5:** Representative view of area surveyed during nesting bird survey on April 15, 2024, prior to vegetation management activities. Photo taken at north end of the gravel parking lot north of the GGS, facing south.