

DOCKETED

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**Pacific Gas and
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March 20, 2023

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 2022 to
December 2022

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 2022 to December 2022.

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

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

Sincerely,

Tim Wisdom

Tim Wisdom
Senior Plant Manager

Attachments: a/s

Public



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

Annual Compliance Report No. 14

(Reporting Period: January 2022 - December 2022)

March 30, 2023

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

Introduction

This document constitutes PG&E's Annual Compliance Report (ACR) for the Gateway Generating Station (GGS) Project. The information contained in this report covers the reporting period of January 2022 to December 2022 (RY 2022).

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 the compliance 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 2022 to December 2022, 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 2022 is included in this report as **Exhibit 3**. Also included in Exhibit 3 is monthly water consumption invoices information from the City of Antioch. For RY 2022, it was observed that the total annual water usage based on the consumption invoices of 1,585,012 gallons was significantly lower than the metered wastewater discharges from the facility of

10,089,035 gallons. The GGS promptly reached out to the City of Antioch about this issue. The City of Antioch, in turn, conducted several visits to the facility to investigate the cause and later determined that the flowmeters were defective. These metering devices are owned, and maintained by the City of Antioch, which also does the servicing, testing, and calibration of the metering devices. In an attempt to provide a reasonable estimate of the total annual water usage, the GGS calculated the estimated monthly usage for RY 2022 based on the average of five-year historical data of monthly percentages of recorded wastewater discharges. This estimate accounts for the characteristic of monthly operational fluctuation in water usages/discharges. The detail of this calculation is also included in **Exhibit 3**. The total estimated water use for the reporting period is 52.59 AF (acre-feet).

- 3.2 VIS-1 - The maintenance works on treatment of structures, buildings, and tanks at Gateway Generating Station (GGS) were performed on regular basis expeditiously. There are at least 3 separate routine plant inspections, which include among other items, the identification of treatment re-works on structures, buildings, and tanks. These are: (1) Semi-annual (Spring and Fall) Facility-wide Inspection by Safety Committee, (2) Weekly Plant Engineer's Walk-down, and (3) Daily Plant Technician's Walk-down Inspection. In each of these inspections, maintenance work is identified (as may be needed), and a job request notification is submitted. At GGS, there is Work Management (SAP) System which tracks job requests to ensure that works are completed in a timely manner.
- 3.3 VIS-4 - In compliance with the Condition of Certification VIS-4, GGS confirms that appropriate maintenance was performed to ensure continued establishment (of growth) of the planted trees and shrubs.

A suitable drip irrigation system, equipped with automatic sprinkler timer, was installed and is in operation.

- 3.4 SOIL&WATER-4 – In compliance with Condition of Certification SOIL&WATER-4, attached in **Exhibit 4a** are copies of Quarterly Self-Monitoring Reports submitted to and received by the Delta Diablo (DD) on April 14, 2022, July 13, 2022, October 10, 2022, and January 12, 2023, to cover the reporting year (RY) 2021. Attached in **Exhibit 4b** is the status on agency citation. A Warning Notice from Delta Diablo Sanitation District dated December 30, 2022, but was received on January 4, 2023, regarding metal zinc monitoring parameter exceedance. After resampling result of below permit limit, no further compliance action was required by the District. No Notice of Violation (NOV) was received from DD during the reporting period.
- 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 (2023) Update 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 10, 2022** - GGS submitted to DD the Quarterly Self-Monitoring Report and wastewater flow data for the period: October 2021 to December 2021
 - 6.2. **January 27, 2022** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for December 2021
 - 6.3. **January 27, 2022** - GGS submitted to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the Q4-2021 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 27, 2022** - (Condition of Certification AQ-14) Quarterly Air Compliance Report for Q4-2021 was submitted to CEC/BAAQMD
 - 6.5. **January 27, 2022** – GGS submitted to EPA Quarterly EPA ECMPS Electronic Data Reports (EDR) Reports for Q4-2021 (Part 75 Compliance)

- 6.6. **February 22, 2022** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for January 2022
- 6.7. **February 28, 2022** - GGS submitted to Contra Costa Health Services (CCHS) the Hazardous Materials Business Plan Annual Update for 2022, through the California Environmental Reporting System (CERS)
- 6.8. **March 11, 2022** – (Condition of Certification AQ-SC13) GGS submitted to BAAQMD/CEC the Notification/Waiver Request on Visual Emission Evaluation for the earliest anticipated re-start date of March 20, 2022, on Unit-A and Unit-B.
- 6.9. **March 11, 2022** - (Condition of Certification AQ-29, AQ-30, AQ-31) GGS submitted to BAAQMD/CEC Source Test Report and 2022 Relative Accuracy Test Audit & Compliance Test Report. The tests were completed January 10-14, 2022
- 6.10. **March 26, 2022** – (Condition of Certification AQ-SC13) GGS submitted to BAAQMD/CEC the Report on Visual Emission Evaluation (VEE) for the VEE performed on March 20, 2022, on Unit A and Unit B.
- 6.11. **March 28, 2022** – (General Condition of Certification, pages 179-180): GGS submitted the Annual Compliance Report for RY 2021
- 6.12. **March 29, 2022** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for February 2022
- 6.13. **April 14, 2022** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for March 2022
- 6.14. **April 14, 2022** - GGS submitted to DD the Quarterly Self-Monitoring Report and wastewater flow data for the period: January 2022 to March 2022
- 6.15. **April 20, 2022** - GGS submitted to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the Q1-2022 Quarterly Excess Emission Report in accordance with 40 CFR 60.7 (c). This is incompliance with the requirement of Paragraph 12 of the Second

Amended Compliance Decree (CV09-4503-SI)

- 6.16. **April 20, 2022** – GGS submitted to BAAQMD the Permit to Operate (PTO) Renewal Data update (2022-2023)
- 6.17. **April 26, 2022** – GGS submitted to EPA Quarterly EPA ECMPS Electronic Data Reports (EDR) Reports for Q1-2022 (Part 75 Compliance)
- 6.18. **April 26, 2022** – GGS submitted to BAAQMD/CEC the Semi-annual Monitoring report for the period October 1, 2021, to March 31, 2022. This is to comply with Standard Condition F (Monitoring Report) of the Major Facility (Title V) Permit.
- 6.19. **April 28, 2022** - (Condition of Certification AQ-14) Quarterly Air Compliance Report for Q1 2022 was submitted to CEC/BAAQMD
- 6.20. **May 19, 2022** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for April 2022
- 6.21. **June 1, 2022** - GGS submitted to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the semi-annual report on the CO projected exceedance date. This is incompliance with the requirement of Paragraph 11 (1) of the Second Amended Compliance Decree (CV09-4503-SI)
- 6.22. **June 22, 2022** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for May 2022
- 6.23. **June 30, 2022** - In compliance with the terms of the General Permit for Storm Water Associated with Industrial Activity, the 2021-2022 Annual Report was submitted to Central Valley Regional Water Quality Control Board
- 6.24. **July 13, 2022** - GGS submitted to DD the Quarterly Self-Monitoring Report and wastewater flow data for the period: April 2022 to June 2022
- 6.25. **July13, 2022** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for June 2022

- 6.26. **July 13, 2022** - GGS submitted to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the Q2-2022 Quarterly Excess Emission Report in accordance with 40 CFR 60.7 (c). This is incompliance with the requirement of Paragraph 12 of the Second Amended Compliance Decree (CV09-4503-SI)
- 6.27. **July 21, 2022** – GGS received the renewal on the Permit to Operate (PTO) from BAAQMD. The PTO expires on August 1, 2023
- 6.28. **July 25, 2022** – GGS submitted to EPA Quarterly EPA ECMPS Electronic Data Reports (EDR) Reports for Q2-2022 (Part 75 Compliance)
- 6.29. **July 25, 2022**- (Condition of Certification AQ-14) Quarterly Air Compliance Report for Q2 2022 was submitted to CEC/BAAQMD
- 6.30. **July 28, 2022** - GGS submitted to Contra Costa Health Services (CCHS) the Hazardous Materials Business Plan Interim Update through the California Environmental Reporting System (CERS)
- 6.31. **August 24, 2022** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for July 2022
- 6.32. **September 15, 2022** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for August 2022
- 6.33. **September 27, 2022** – GGS submitted to BAAQMD/EPA, and copied CEC, on the Annual Compliance Certification for the reporting period of September 1, 2021 to August 31, 2022 as required under permit condition I.G of the Major Facility Review (Title V) permit.
- 6.34. **October 10, 2022** - GGS submitted to DD the Quarterly Self-Monitoring Report and wastewater flow data for the period: July 2022 to September 2022
- 6.35. **October 11, 2022** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for September 2022
- 6.36. **October 19, 2022** - GGS submitted to Section Chief of the Environmental Enforcement Section, US department of Justice, US

EPA Regional Office IX, and copied to CEC the Q3-2022 Quarterly Excess Emission Report in accordance with 40 CFR 60.7 (c). This is in compliance with the requirement of Paragraph 12 of the Second Amended Compliance Decree (CV09-4503-SI)

- 6.37. **October 20, 2022** – GGS submitted to EPA Quarterly EPA ECMPS Electronic Data Reports (EDR) Reports for Q3-2022 (Part 75 Compliance)
- 6.38. **October 24, 2022** - (Condition of Certification AQ-14) Quarterly Air Compliance Report for Q3 2022 was submitted to CEC/BAAQMD
- 6.39. **October 25, 2022** – GGS submitted to BAAQMD/CEC the Semi-annual Monitoring report for the period April 1, 2022, to September 30, 2022. This is to comply with Standard Condition F (Monitoring Report) of the Major Facility (Title V) Permit
- 6.40. **November 10, 2022** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for October 2022
- 6.41. **December 12, 2022** – 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 8, 2022, in Storm Water Multiple Application and Report Tracking Systems (SMARTS)
- 6.42. **December 20, 2022** - (Conditions of Certification AQ-31) GGS submitted to BAAQMD and CEC the 2023 Annual RATA and Source Test Protocol for the proposed dates of January 9-13, 2023
- 6.43. **December 21, 2022** - 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)
- 6.44. **December 22, 2022** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for November 2022

7. Projected Compliance Activities for Next Year (RY January 1, 2023 –

December 31, 2023) - The following is a list of compliance activities/documents that PG&E anticipates for the January 1, 2023, to December 31, 2023, 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 August 2023
- 7.4 Quarterly Air Quality EDR reports to EPA due on January 30, 2023, April 30, 2023, July 30, 2023, and October 30, 2023
- 7.5 Quarterly Self-Monitoring Reports to DD due on January 15, 2023, April 15, 2023, July 15, 2023, and October 15, 2023
- 7.6 Quarterly Industrial Flow Data Report to DD due January 15, 2023, April 15, 2023, July 15, 2023, and October 15, 2023
- 7.7 Annual HMBP update due to CCHS on March 1, 2023
- 7.8 2022-2023 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, 2023
- 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 2023
- 7.11 (Conditions of Certification AQ-29, AQ-30, AQ-31, and AQ-32) - To submit to BAAQMD and CEC Source Test Report and 2023 Relative Accuracy Test Audit & Compliance Test Report within 60 days of test date.
- 7.12 To submit to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and

copied to CEC the Quarterly Excess Emission Report in accordance with 40 CFR 60.7 (c). This is incompliance with the requirement of Paragraph 12 of the Second Amended Compliance Decree (CV09-4503-SI). These reports are due on January 30, 2023, April 30, 2023, July 30, 2023, and October 30, 2023

7.13 To submit to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the CO Projected Exceedance Date (on semi-annual basis). This is incompliance with the requirement of Paragraph 11 of the Second Amended Compliance Decree (CV09-4503-SI). These reports are due on June 15, 2023, and December 15, 2023.

7.14 To submit to BAAQMD/EPA Annual and Semi-annual Title V reports. These reports are due on September 30, 2023, April 30, 2023, and October 31, 2023, respectively.

7.15 (Conditions of Certification – General Conditions) - CEC Annual Compliance Report for RY2020 due March 30, 2023, as pre-negotiated with the CPM

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

Date	To	Condition	Subject
1/10/2022	DD	SOILS&WATE R-4	Quarterly Self-Monitoring Report for the period: Oct 2021 to Dec 2021
1/27/2022	BAAQMD	AQ-33	Monthly CEMS Report for December 2021
1/27/2022	US EPA IX/ CEC	Consent Decree Paragraph 12	Quarterly Excess Emission Report (NOx & CO) for Q4-2021

Date	To	Condition	Subject
1/27/2022	CEC/BAAQMD	AQ-14	Quarterly Air Compliance Report for Q4-2021
1/27/2022	EPA	Part 75	EPA Quarterly EPA ECMPS Electronic Data Reports (EDR) Reports for Q4-2021
2/22/2022	BAAQMD	AQ-33	Monthly CEMS Report for January 2022
2/28/2022	CCHS/CERS		Hazardous Materials Business Plan Annual Update for 2022
3/11/2022	CEC/BAAQMD	AQ-SC13	Notification/Waiver request on Visual Emission Evaluation (VEE) for March 20, 2022, Restart (Unit-A, and Unit-B)
3/11/2022	BAAQMD/CEC	AQ-29, AQ-30, AQ-31, AQ-32	Source Test Report and 2022 Relative Accuracy Test Audit and Compliance Test Report; the tests were completed January 10-14, 2022
3/26/2022	CEC/BAAQMD	AQ-SC13	Report on Visual Emission Evaluation (VEE) for March 20, 2022, Restart (Unit-A, and Unit B)
3/28/2022	CEC	GEN (pp.179-180)	Annual Compliance Report #13 RY 2021
3/29/2022	BAAQMD	AQ-33	Monthly CEMS Report for February 2022
4/14/2022	BAAQMD	AQ-33	Monthly CEMS Report for March 2022
4/14/2022	DD	SOILS&WATE R-4	Quarterly Self-Monitoring Report for the period: January 2022 to March 2022

Date	To	Condition	Subject
4/20/2022	US EPA IX/ CEC/DOJ	Consent Decree Paragraph 12	Quarterly Excess Emission Report (NOx & CO) for Q1-2022
4/20/2022	BAAQMD	PTO	PTO Renewal Data Update (2022-2023)
4/26/2022	EPA	Part 75	EPA ECMPS ED) for Q1-2022
4/26/2022	BAAQMD/CEC	Title V	Semi-annual Monitoring Report for Oct 1, 2021, to Mar 31, 2022
4/28/2022	CEC/BAAQMD	AQ-14	Quarterly Air Compliance Report for Q1 2022
5/19/2022	BAAQMD	AQ-33	Monthly CEMS Report for April 2022
6/1/2022	US EPA IX/ CEC	Consent Decree Paragraph 11(1)	Semi-annual Report on CO Projected Exceedance Date
6/22/2022	BAAQMD	AQ-33	Monthly CEMS Report for May 2022
6/30/2022	CVRWQCB- SMARTS	IGP	Storm Water Annual Report for 2021-2022
7/13/2022	DD	SOILS&WATE R-4	Quarterly Self-Monitoring Report for the period: April 2022 to June 2022
7/13/2022	BAAQMD	AQ-33	Monthly CEMS Report for June 2022
7/13/2022	US EPA IX/ CEC/DOJ	Consent Decree Paragraph 12	Quarterly Excess Emission Report (NOx & CO) for Q2-2022
7/21/2022	BAAQMD	PTO	PTO Renewal Received (2022- 2023)
7/25/2022	EPA	Part 75	EPA ECMPS EDR for Q2-2022
7/25/2022	CEC/BAAQMD	AQ-14	Quarterly Air Compliance Report for Q2 2022
7/28/2022	CCHS/CERS		Hazardous Materials Business Plan Interim Update

Date	To	Condition	Subject
8/24/2022	BAAQMD	AQ-33	Monthly CEMS Report for July 2022
9/15/2022	BAAQMD	AQ-33	Monthly CEMS Report for August 2022
9/27/2022	BAAQMD/EPA /CEC	Title V	Annual Compliance Certification (Sep 1, 2021- Aug 31, 2022)
10/10/2022	DD	SOILS&WATE R-4	Quarterly Self-Monitoring Report for the period: July 2022 to September 2022
10/11/2022	BAAQMD	AQ-33	Monthly CEMS Report for September 2022
10/19/2022	US EPA IX/ CEC	Consent Decree Paragraph 12	Quarterly Excess Emission Report (NOx & CO) for Q3-2022
10/20/2022	EPA	Part 75	EPA ECMPS EDR for Q3-2022
10/24/2022	CEC/BAAQMD	AQ-14	Quarterly Air Compliance Report for Q3 2022
10/25/2022	BAAQMD/CEC	Title V	Semi-annual Monitoring Report for Apr 1, 2022, to Sep 30, 2022
11/10/2022	BAAQMD	AQ-33	Monthly CEMS Report for October 2022
12/12/2022	CVRWQCB-SMARTS	IGP	Analytical results for the sampling of the QSEs that occurred on November 8, 2022
12/20/2022	BAAQMD/CEC	AQ-29, AQ-30, AQ-31, AQ-32	Notification on 2023 Source Test and Relative Accuracy Test Audit for Jan 9-14, 2023

Date	To	Condition	Subject
12/21/2022	US EPA IX/ CEC	Consent Decree Paragraph 11(1)	Semi-annual Report on CO Projected Exceedance Date
12/22/2022	BAAQMD	AQ-33	Monthly CEMS Report for November 2022

9. **Evaluation of On-site Contingency Plan** – The On-site Contingency Plan for Unexpected Facility Closure (previously submitted to CEC 12/30/2008) has been evaluated. PG&E determined that the plan is adequate and does not need revision. PG&E, however, will continue to evaluate the plan and make necessary revisions as may be needed. A copy of the revision will be submitted to CEC promptly.
10. **Listing of Complaints, NOVs, Citations Received** – A Warning Notice from Delta Diablo Sanitation District dated December 30, 2022, but was received on January 4, 2023, regarding metal zinc monitoring parameter exceedance. After resampling result of below permit limit, no further compliance action was required by the Delta Diablo Sanitation District.

No Notice of Violation (NOV) was received from agencies during the reporting period.

Gateway Generating Station
(00-AFC-1C)

Annual Compliance Report No. 14

Exhibit 1
Updated Compliance Matrix

PG&E Gateway Generating Station Project
California Energy Commission Compliance Matrix
December 31, 2022

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: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		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: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		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: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		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: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		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: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		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: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		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: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-20	3_OPS	CTs and HRSGs to comply with requirements as listed in the Condition under all operating scenarios, including duct burner firing mode and steam injection power aug mode. Requirements do not apply to CT start-up or shut down. (BACT, PSD...)	Provide info listed in Verification language of condition and include in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-21	3_OPS	Regulated air pollutant mass emission rates shall not exceed limits shown in the Condition. (PSD)	Provide info listed in Condition 20 Verification language of condition and include in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		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: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-23	3_OPS	Total combined emissions from CTs and HRSG shall not exceed limits specified in Condition during any calendar day.	Provide info listed in Condition 20 Verification language of condition and include in QAQR reports due January 30, April 30, July 30, and Oct. 30 (of each year) Public	Quarterly after COD (Recurring)	Q1: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		Submitted w/ Quarterly Air Compliance Reports (QAQR)	

PG&E Gateway Generating Station Project
California Energy Commission Compliance Matrix
December 31, 2022

Color Code Legend

Construction Phase Condition	Commissioning Phase Condition	Operations Phase Condition	Submitted	Submitted / Approved / Completed
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CEC Cond. No.	Project Phase	Summary of Condition	Submittal Required	Due Date to CEC	Date Submitted/ Completed	Submittal Approved by CEC	Status	Comments
AQ-24	3_OPS	Cumulative combined emissions shall not exceed limits specified in Condition during any consecutive 12 month period.	Provide info listed in Condition 20 Verification language of condition and include in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AQ-25	3_OPS	Maximum projected annual toxic air contaminant emissions from CTs and HRSGs shall not exceed limits specified in Condition .	Owner shall perform a health risk assessment using emission rates determined by source test and most current BAAQMD approved procedures and unit risk factors in effect at the time of the analysis.	Within 60 days of source test date	Q1: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AQ-26	3_OPS	Demonstrate compliance with Conditions AQ-14 through 17, 20(a) through 20 (d), 21, 23 (a), 24(a), and 24(b) with CEMs during all hours of operation including equipment startup and shutdowns for all parameters listed in Condition .	Detailed plan on how the measurements and recordings will be performed. CEMS Monitoring Plan	At least 60 days prior to initial operation	8/21/2008		Submitted to CEC & BAAQMD	Record keeping to demonstrate compliance is on-going.
AQ-27	3_OPS	Calculate and record daily the POC, PM10, and SO2 from each power train using actual heat input rates calculated per AQ-26, actual CT startup and shutdown times, and CEC/BAAQMD approved emission factors to calculate emissions. (See additional reporting requirements listed in Condition.)	Provide info listed in Condition 20 Verification language of condition and include in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		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: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AQ-30	3_OPS	Conduct District approved source test on exhaust points while CTs and HRSGs are operating at max. load and min. load to demonstrate compliance with AQ-20, and to verify accuracy of CEMS (per Condition AQ-26).	Submit Source Test Protocols /Conduct Source Test 60 days of initial operation and annually thereafter	Within 60 days of first fire, & annually thereafter	Notification: 12/14/2021 (for 2022 ST/RATA), Test (01/10/2022 to 01/14/2022)			
AQ-31a	3_OPS	Obtain approval for all source test procedures from BAAQMD Source Test Section and CPM prior to conducting tests.	Notify BAAQMD Source Test Section and CEC CPM in writing of source test protocols and projected test dates .	At least 7 days prior to source test dates	Notification: 12/14/2021 (for 2022 ST/RATA), Test (01/10/2022 to 01/14/2022)			
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	3/11/2022			
AQ-32a	3_OPS	Conduct source test on exhaust point P-11 or P-12 while CT and HRSGs are operating at maximum allowable operating rates to demonstrate compliance with AQ-25 (see Condition for more details) .	Notify BAAQMD Source Test Section and CEC CPM in writing of source test protocols and projected test dates. Conduct Source test 60 days of initial operation and biennial thereafter	At least 7 days prior to source test dates	Notification: 12/14/2021 (for 2022 ST/RATA), Test (01/10/2022 to 01/14/2022)			

PG&E Gateway Generating Station Project
California Energy Commission Compliance Matrix
December 31, 2022

Color Code Legend

Construction Phase Condition	Commissioning Phase Condition	Operations Phase Condition	Submitted	Submitted / Approved / Completed
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CEC Cond. No.	Project Phase	Summary of Condition	Submittal Required	Due Date to CEC	Date Submitted/ Completed	Submittal Approved by CEC	Status	Comments
AQ-32b	3_OPS	Submit source test results to the District & CEC CPM.	Submit source test results to BAAQMD and CEC CPM.	Within 60 days of conducting source tests	3/11/2022			
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: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		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: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		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: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		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: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		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: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		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: 04/28/2022, Q2: 07/25/2022, Q3:10/24/2022, Q4: 01/26/2023		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)	3/11/2022			
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	3/30/2023		Submitted with this Annual Compliance Report (ACR)	

PG&E Gateway Generating Station Project
California Energy Commission Compliance Matrix
December 31, 2022

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)	3/30/2023		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	3/30/2023		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	3/30/2023		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	3/30/2023		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	3/30/2023		Submitted w/ this report	

PG&E Gateway Generating Station Project
California Energy Commission Compliance Matrix
December 31, 2022

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	3/30/2023		Submitted with ACR: appropriate maintenance was performed in RY 2022	

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	3/30/2023	RY 2022 ACR #14

Gateway Generating Station
(00-AFC-01C)

Annual Compliance Report No. 14

Exhibit 2
Key Events List

KEY EVENTS LIST

PROJECT: GATEWAY GENERATING STATION

DOCKET #: 00-AFC-1C

EVENT DESCRIPTION	DATE
Date of Certification	05-30-01
POWER PLANT SITE ACTIVITIES	
Start Site Pre-Mobilization	01-08-07
Start Ground Disturbance	02-02-07
Start Grading	03-12-07
Start Construction	02-05-07
Begin Pouring Major Foundation Concrete	04-09-07
Begin Installation of Major Equipment	02-12-07
Completion of Installation of Major Equipment	10-16-08
First Combustion of Gas Turbine	10-25-08
Start Commercial Operation	12-31-08
Acquisition of second ammonia tank, tank farm facility, and associated property	December 2013
Regulated Substances Deregistration of Anhydrous Ammonia	05/23/2016
Granted exemption to forego sampling of 126 priority pollutants per 40CFR423.17(a)(4)(ii)	7/23/2019
Renewal of Title IV and Title V Permits was approved	09/03/2020
Submitted 5-year Anniversary Update of the Risk Management Program (to EPA) and California Accidental Release Prevention (CalARP) Program (to Contra Costa Health Services -Hazardous Materials Program)	02/22/2021
SWITCHYARD & TRANSMISSION TIE-IN ACTIVITIES	
Start Switchyard Construction	10-01-07
Switchyard & Tie-in Complete	04-30-08
Synchronization with Grid and Interconnection	12-01-08

FUEL SUPPLY LINE ACTIVITIES	
Started Gas Pipeline Construction and Interconnection	07-13-07
Completed Gas Pipeline Construction	07-01-08

Gateway Generating Station
(00-AFC-01C)

Annual Compliance Report No. 14

Exhibit 3
Water Use Summary
City of Antioch Invoices, Wastewater Discharge,
and Water Use Estimate

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

PG&E Gateway Generating Station
Water Use Summary
Reporting Period: January 2022 - December 2022

Date	Water Consumption (Estimated)		
	(gals.)	(cu. feet)	(acre-feet)
Jan-22	1,501,106	200,668.62	4.61
Feb-22	320,152	42,798.11	0.98
Mar-22	858,996	114,831.07	2.64
Apr-22	1,608,210	214,986.41	4.94
May-22	1,885,044	251,993.69	5.78
Jun-22	2,077,684	277,745.98	6.38
Jul-22	2,225,176	297,462.70	6.83
8/1/202	1,945,147	260,028.29	5.97
Sep-22	1,402,647	187,506.67	4.30
Oct-22	1,147,879	153,449.07	3.52
Nov-22	1,047,635	140,048.49	3.22
Dec-22	1,117,468	149,383.80	3.43
Annual Total:	17,137,144	2,290,902.89	52.59

City of Antioch Water Invoices January-December 2022

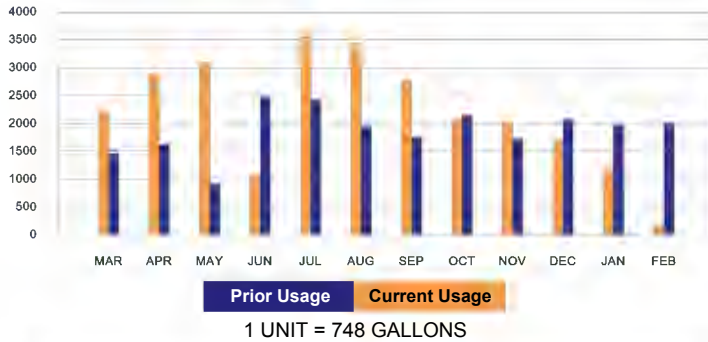
Pay Online: www.municipalonlinepayments.com/antiochca

All Offices are open Monday-Friday

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

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

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	115362	115542	180

SPECIAL MESSAGE

Pay your bill online with no fees.

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

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

Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 01/01/22 TO 02/01/22
BILLING DATE: 02/04/22

CURRENT CHARGES

WATER \$819.00
USAGE TIER 1 = 180 Units @ 4.55 / UNIT \$819.00
2" WATER MAINT FEE \$165.00
SEWER \$240.40
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE (PAY NOW TO AVOID DISCONNECT) \$17,248.62
TOTAL PAYMENTS (LAST PAYMENT 01/31/2022) (\$17,248.62)
CURRENT CHARGES DUE 02/25/2022 \$1,249.50
TOTAL BALANCE \$1,249.50

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

PUBLIC WORKS

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

Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 01/01/22 TO 02/01/22
BILLING DATE: 02/04/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00
CURRENT CHARGES DUE 02/25/2022 \$1,249.50
TOTAL BALANCE \$1,249.50

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

00401511010000001249500000001311987

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

(925) 779-7060



By Mail

City of Antioch

PO Box 981476

West Sacramento, CA 95798



Smart Phone App

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

For iOS and Android



Dropbox

Antioch City Hall

Mid Parking Lot (Drive-Up)

*No Cash



In Person

Antioch City Hall - 1st Floor

200 H Street

Billing

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

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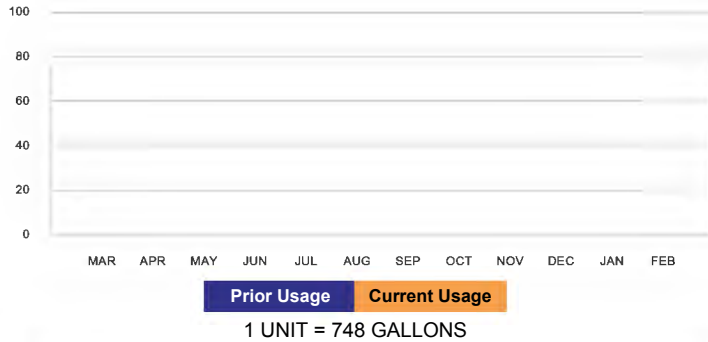
Pay Online: www.municipalonlinepayments.com/antiochca

All Offices are open Monday-Friday

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

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

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752	WATER	0	0	0

SPECIAL MESSAGE

Pay your bill online with no fees.

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

Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 01/01/22 TO 02/01/22
BILLING DATE: 02/04/22

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 (PAY NOW TO AVOID DISCONNECT) \$155.00
TOTAL PAYMENTS (LAST PAYMENT 01/31/2022) (\$155.00)
CURRENT CHARGES DUE 02/25/2022 \$77.50
TOTAL BALANCE \$77.50

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

PUBLIC WORKS

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 01/01/22 TO 02/01/22
BILLING DATE: 02/04/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00
CURRENT CHARGES DUE 02/25/2022 \$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

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

(925) 779-7060



By Mail

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Dropbox

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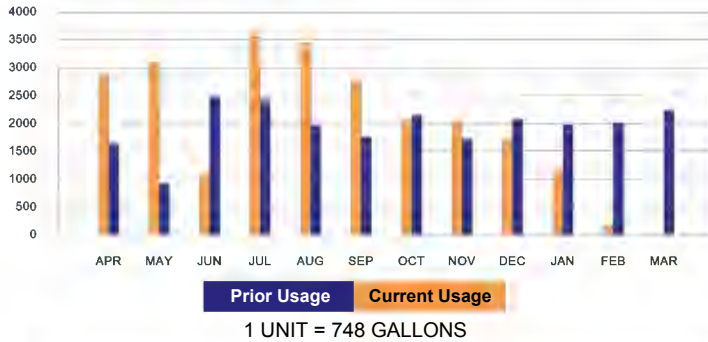
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YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	115542	115557	15

SPECIAL MESSAGE

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

The automated phone system (IVR) is providing incorrect balances. Please refer to your current bill balance due to make an IVR payment.

Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 02/01/22 TO 03/01/22
BILLING DATE: 03/03/22

CURRENT CHARGES

WATER \$68.25
USAGE TIER 1 = 15 Units @ 4.55 / UNIT \$68.25
2 " WATER MAINT FEE \$165.00
SEWER \$24.25
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE (PAY NOW TO AVOID DISCONNECT) \$1,249.50
TOTAL PAYMENTS (LAST PAYMENT 02/04/2022) (\$1,249.50)
CURRENT CHARGES DUE 03/24/2022 \$282.60
TOTAL BALANCE \$282.60

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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ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 02/01/22 TO 03/01/22
BILLING DATE: 03/03/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00
CURRENT CHARGES DUE 03/24/2022 \$282.60
TOTAL BALANCE \$282.60

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

00401511010000000282600000000296730

Payment Options



AutoDraft

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Billing Statement

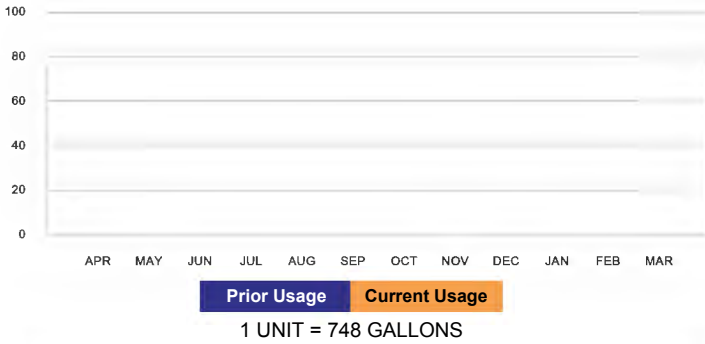
ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 02/01/22 TO 03/01/22
BILLING DATE: 03/03/22

CURRENT CHARGES

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

YOUR MONTHLY USAGE



AMOUNT NOW DUE

PREVIOUS BALANCE (PAY NOW TO AVOID DISCONNECT) \$77.50
TOTAL PAYMENTS (LAST PAYMENT 02/04/2022) (\$77.50)
CURRENT CHARGES DUE 03/24/2022 \$77.50
TOTAL BALANCE \$77.50

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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: 02/01/22 TO 03/01/22
BILLING DATE: 03/03/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00
CURRENT CHARGES DUE 03/24/2022 \$77.50
TOTAL BALANCE \$77.50

AMOUNT ENCLOSED

REMIT PAYMENT TO:

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



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

0040151201000000007750000000081387

Payment Options



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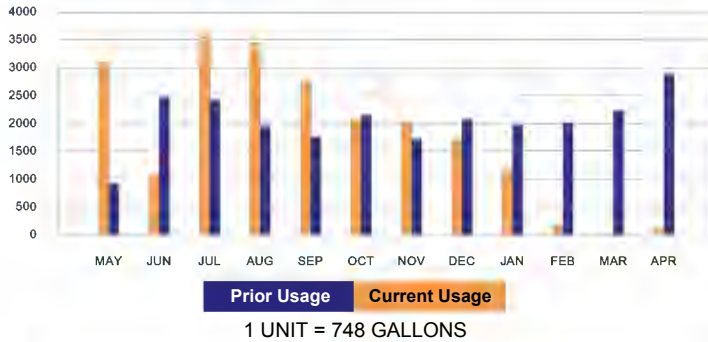
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Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	115557	115667	110

SPECIAL MESSAGE

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Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 03/01/22 TO 04/01/22
BILLING DATE: 04/05/22

CURRENT CHARGES

WATER \$500.50
USAGE TIER 1 = 110 Units @ 4.55 / UNIT \$500.50
2" WATER MAINT FEE \$165.00
SEWER \$148.70
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE (PAY NOW TO AVOID DISCONNECT) \$282.60
TOTAL PAYMENTS (LAST PAYMENT 03/28/2022) (\$282.60)
CURRENT CHARGES DUE 04/26/2022 \$839.30
TOTAL BALANCE \$839.30

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

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 03/01/22 TO 04/01/22
BILLING DATE: 04/05/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00
CURRENT CHARGES DUE 04/26/2022 \$839.30
TOTAL BALANCE \$839.30

AMOUNT ENCLOSED

REMIT PAYMENT TO:

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



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

00401511010000000839300000000881284

Payment Options



AutoDraft

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Online

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By Phone - Available 24/7

(925) 779-7060



By Mail

City of Antioch

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West Sacramento, CA 95798



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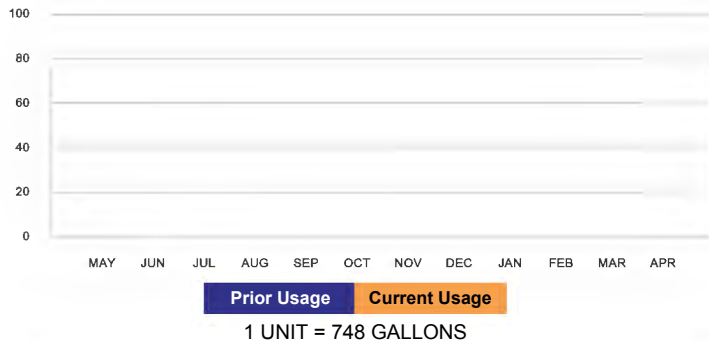
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Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752	WATER	0	0	0

SPECIAL MESSAGE

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Billing Statement

ACCOUNT INFORMATION

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SERVICE PERIOD: 03/01/22 TO 04/01/22
BILLING DATE: 04/05/22

CURRENT CHARGES

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

AMOUNT NOW DUE

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Payment Coupon

ACCOUNT INFORMATION

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SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 03/01/22 TO 04/01/22
BILLING DATE: 04/05/22



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AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00
CURRENT CHARGES DUE 04/26/2022 \$77.50
TOTAL BALANCE \$77.50

AMOUNT ENCLOSED

REMIT PAYMENT TO:

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



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

00401512010000000077500000000081387

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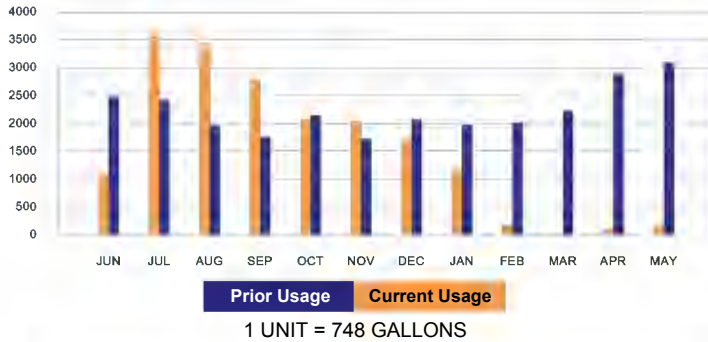
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YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	115667	115842	175

SPECIAL MESSAGE

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Shut offs and late fess will resume the week of July 4th, 2022. If you need to make a payment arrangement, please contact us at service@antiochca.gov

Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 04/01/22 TO 05/02/22
BILLING DATE: 05/04/22

CURRENT CHARGES

WATER \$796.25
USAGE TIER 1 = 175 Units @ 4.55 / UNIT \$796.25
2 " WATER MAINT FEE \$165.00
SEWER \$233.85
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE (PAY NOW TO AVOID DISCONNECT) \$839.30
TOTAL PAYMENTS (LAST PAYMENT 04/27/2022) (\$839.30)
CURRENT CHARGES DUE 05/25/2022 \$1,220.20
TOTAL BALANCE \$1,220.20

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 04/01/22 TO 05/02/22
BILLING DATE: 05/04/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00
CURRENT CHARGES DUE 05/25/2022 \$1,220.20
TOTAL BALANCE \$1,220.20

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

00401511010000001220200000001281218

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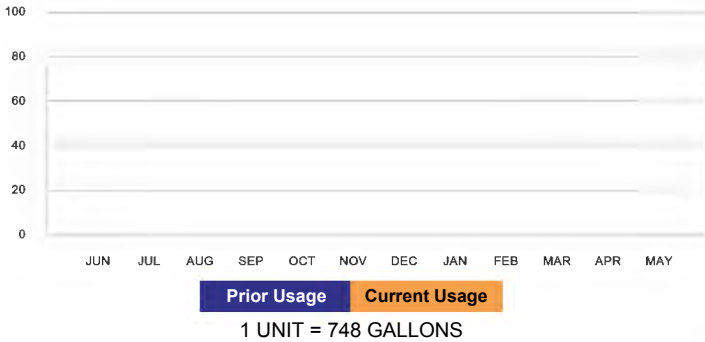
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ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 04/01/22 TO 05/02/22
BILLING DATE: 05/04/22

CURRENT CHARGES

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

YOUR MONTHLY USAGE



AMOUNT NOW DUE

PREVIOUS BALANCE (PAY NOW TO AVOID DISCONNECT) \$77.50
TOTAL PAYMENTS (LAST PAYMENT 04/27/2022) (\$77.50)
CURRENT CHARGES DUE 05/25/2022 \$77.50
TOTAL BALANCE \$77.50

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

Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752	WATER	0	0	0

SPECIAL MESSAGE

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

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Shut offs and late fess will resume the week of July 4th, 2022. If you need to make a payment arrangement, please contact us at service@antiochca.gov

PUBLIC WORKS

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

Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 04/01/22 TO 05/02/22
BILLING DATE: 05/04/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00
CURRENT CHARGES DUE 05/25/2022 \$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

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

(925) 779-7060



By Mail

City of Antioch
PO Box 981476
West Sacramento, CA 95798



Smart Phone App

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



Dropbox

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



In Person

Antioch City Hall - 1st Floor
200 H Street

Billing

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

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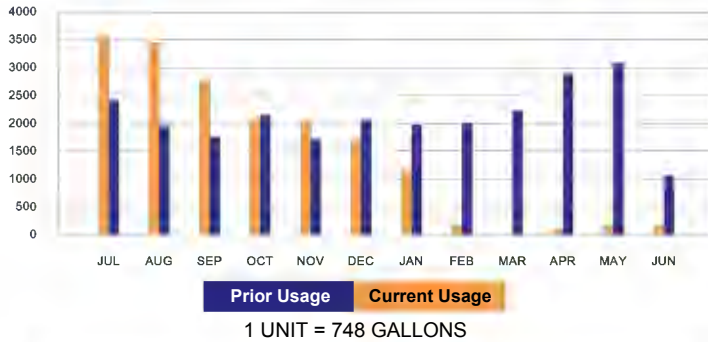
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Utility Billing: (925)779-7060 8:00 A.M.-5:00 P.M.

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

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	115842	116015	173

SPECIAL MESSAGE

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Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 05/02/22 TO 06/01/22
BILLING DATE: 06/02/22

CURRENT CHARGES

WATER \$787.15
USAGE TIER 1 = 173 Units @ 4.55 / UNIT \$787.15
2 " WATER MAINT FEE \$165.00
SEWER \$231.23
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE (PAY NOW TO AVOID DISCONNECT) \$1,220.20
TOTAL PAYMENTS \$0.00
CURRENT CHARGES DUE 06/23/2022 \$1,208.48
TOTAL BALANCE \$2,428.68

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: 05/02/22 TO 06/01/22
BILLING DATE: 06/02/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$1,220.20
CURRENT CHARGES DUE 06/23/2022 \$1,208.48
TOTAL BALANCE \$2,428.68

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

00401511010000002428680000002489119

Payment Options



AutoDraft

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Online

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

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By Phone - Available 24/7

(925) 779-7060



By Mail

City of Antioch

PO Box 981476

West Sacramento, CA 95798



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For iOS and Android



Dropbox

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Mid Parking Lot (Drive-Up)

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200 H Street

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YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752	WATER	0	0	0

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Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 05/02/22 TO 06/01/22
BILLING DATE: 06/02/22

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 (PAY NOW TO AVOID DISCONNECT) \$77.50
TOTAL PAYMENTS \$0.00
CURRENT CHARGES DUE 06/23/2022 \$77.50
TOTAL BALANCE \$155.00

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: 05/02/22 TO 06/01/22
BILLING DATE: 06/02/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$77.50
CURRENT CHARGES DUE 06/23/2022 \$77.50
TOTAL BALANCE \$155.00

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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(925) 779-7060



By Mail

City of Antioch

PO Box 981476

West Sacramento, CA 95798



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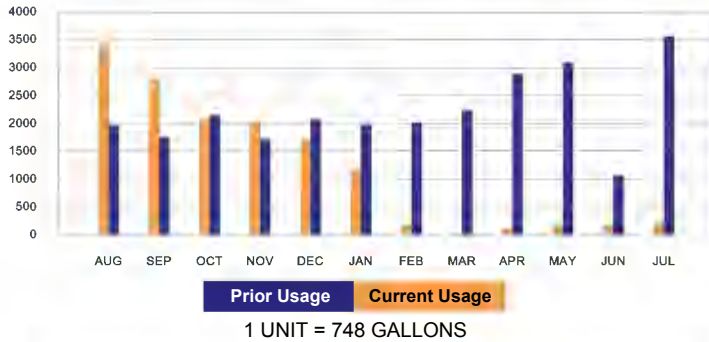
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Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	116015	116226	211

SPECIAL MESSAGE

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Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 06/01/22 TO 07/01/22
BILLING DATE: 07/07/22

CURRENT CHARGES

WATER		\$960.05
USAGE TIER 1 = 211 Units @ 4.55 / UNIT	\$960.05	
2 " WATER MAINT FEE		\$165.00
SEWER		\$281.01
BACKFLOW DEVICE		\$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE (PAY NOW TO AVOID DISCONNECT)	\$2,428.68
TOTAL PAYMENTS (LAST PAYMENT 07/01/2022)	(\$2,428.68)
CURRENT CHARGES DUE 07/28/2022	\$1,431.16
TOTAL BALANCE	\$1,431.16

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: 06/01/22 TO 07/01/22
BILLING DATE: 07/07/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT)	\$0.00
CURRENT CHARGES DUE 07/28/2022	\$1,431.16
TOTAL BALANCE	\$1,431.16

AMOUNT ENCLOSED

REMIT PAYMENT TO:

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



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

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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

(925) 779-7060



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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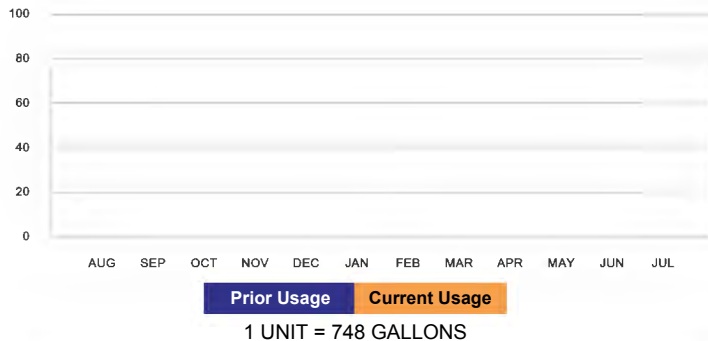
Pay Online: www.municipalonlinepayments.com/antiochca

All Offices are open Monday-Friday

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

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

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752	WATER	0	0	0

SPECIAL MESSAGE

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Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 06/01/22 TO 07/01/22
BILLING DATE: 07/07/22

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 (PAY NOW TO AVOID DISCONNECT) \$155.00
TOTAL PAYMENTS (LAST PAYMENT 07/01/2022) (\$155.00)
CURRENT CHARGES DUE 07/28/2022 \$77.50
TOTAL BALANCE \$77.50

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

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 06/01/22 TO 07/01/22
BILLING DATE: 07/07/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00
CURRENT CHARGES DUE 07/28/2022 \$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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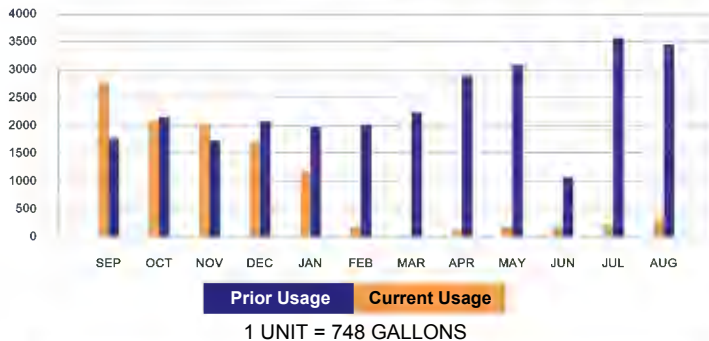
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YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	116226	116556	330

SPECIAL MESSAGE

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Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 07/01/22 TO 08/01/22
BILLING DATE: 08/03/22

CURRENT CHARGES

WATER \$1,501.50
USAGE TIER 1 = 330 Units @ 4.55 / UNIT \$1,501.50
2 " WATER MAINT FEE \$165.00
SEWER \$436.90
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE (PAY NOW TO AVOID DISCONNECT) \$1,431.16
TOTAL PAYMENTS (LAST PAYMENT 07/29/2022) (\$1,431.16)
CURRENT CHARGES DUE 08/24/2022 \$2,128.50
TOTAL BALANCE \$2,128.50

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

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 07/01/22 TO 08/01/22
BILLING DATE: 08/03/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00
CURRENT CHARGES DUE 08/24/2022 \$2,128.50
TOTAL BALANCE \$2,128.50

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

00401511010000002128500000002128504

Payment Options



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Mid Parking Lot (Drive-Up)

*No Cash



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Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 07/01/22 TO 08/01/22
BILLING DATE: 08/03/22

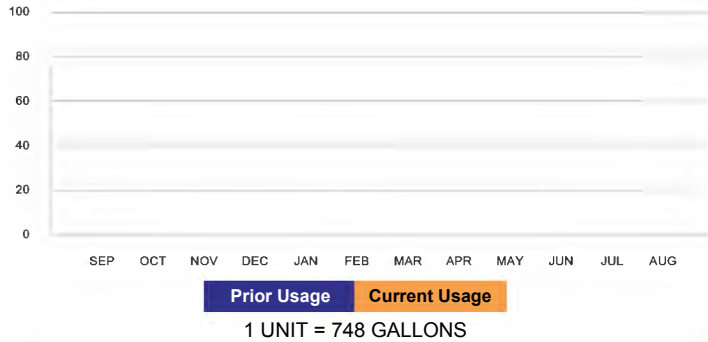
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Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752	WATER	0	0	0

SPECIAL MESSAGE

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CURRENT CHARGES

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

AMOUNT NOW DUE

PREVIOUS BALANCE (PAY NOW TO AVOID DISCONNECT) \$77.50
TOTAL PAYMENTS (LAST PAYMENT 07/29/2022) (\$77.50)
CURRENT CHARGES DUE 08/24/2022 \$77.50
TOTAL BALANCE \$77.50

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

PUBLIC WORKS

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

Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 07/01/22 TO 08/01/22
BILLING DATE: 08/03/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00
CURRENT CHARGES DUE 08/24/2022 \$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

0040151201000000007750000000077504

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

(925) 779-7060



By Mail

City of Antioch

PO Box 981476

West Sacramento, CA 95798



Smart Phone App

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

For iOS and Android



Dropbox

Antioch City Hall

Mid Parking Lot (Drive-Up)

*No Cash



In Person

Antioch City Hall - 1st Floor

200 H Street

Billing

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

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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 Final or Disconnection Notice to avoid penalties and service charges.

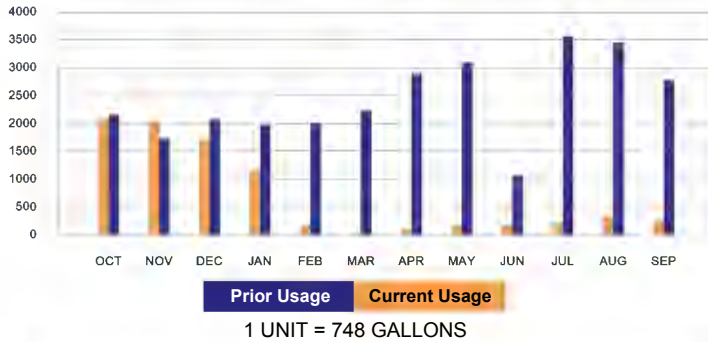
Pay Online: www.municipalonlinepayments.com/antiochca

All Offices are open Monday-Friday

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

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

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	116556	116797	241

SPECIAL MESSAGE

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

Shut offs and late fess will resume the week of July 4th, 2022. If you need to make a payment arrangement, please contact us at service@antiochca.gov

Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 08/01/22 TO 09/01/22
BILLING DATE: 09/07/22

CURRENT CHARGES

WATER \$1,096.55
USAGE TIER 1 = 241 Units @ 4.55 / UNIT \$1,096.55
2 " WATER MAINT FEE \$165.00
SEWER \$320.31
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE (PAY NOW TO AVOID DISCONNECT) \$2,128.50
TOTAL PAYMENTS (LAST PAYMENT 08/22/2022) (\$2,128.50)
CURRENT CHARGES DUE 09/28/2022 \$1,606.96
TOTAL BALANCE \$1,606.96

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

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 08/01/22 TO 09/01/22
BILLING DATE: 09/07/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00
CURRENT CHARGES DUE 09/28/2022 \$1,606.96
TOTAL BALANCE \$1,606.96

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

00401511010000001606960000001687328

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

(925) 779-7060



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: 08/01/22 TO 09/01/22
BILLING DATE: 09/07/22

Pay Online: www.municipalonlinepayments.com/antiochca

All Offices are open Monday-Friday

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

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

YOUR MONTHLY USAGE



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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Shut offs and late fees will resume the week of July 4th, 2022. If you need to make a payment arrangement, please contact us at service@antiochca.gov

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 (PAY NOW TO AVOID DISCONNECT)	\$77.50
TOTAL PAYMENTS (LAST PAYMENT 08/22/2022)	(\$77.50)
CURRENT CHARGES DUE 09/28/2022	\$77.50
TOTAL BALANCE	\$77.50

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Payment Coupon

ACCOUNT INFORMATION

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SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 08/01/22 TO 09/01/22
BILLING DATE: 09/07/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT)	\$0.00
CURRENT CHARGES DUE 09/28/2022	\$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 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

Antioch City Hall - 1st Floor
200 H Street

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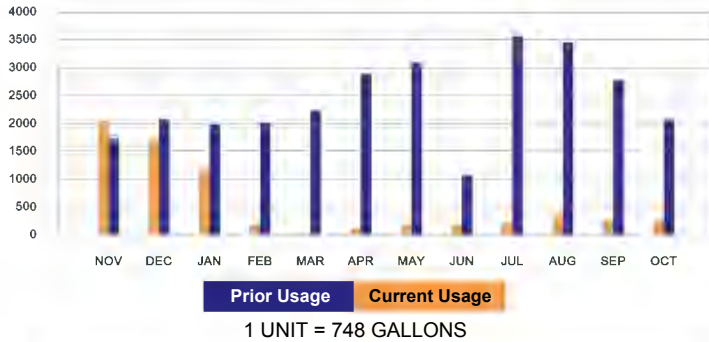
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Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	116797	117032	235

SPECIAL MESSAGE

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Shut offs and late fess will resume the week of July 4th, 2022. If you need to make a payment arrangement, please contact us at service@antiochca.gov

Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 09/01/22 TO 10/01/22
BILLING DATE: 10/05/22

CURRENT CHARGES

WATER \$1,069.25
USAGE TIER 1 = 235 Units @ 4.55 / UNIT \$1,069.25
2 " WATER MAINT FEE \$165.00
SEWER \$312.45
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE (PAY NOW TO AVOID DISCONNECT) \$1,606.96
TOTAL PAYMENTS (LAST PAYMENT 09/27/2022) (\$1,606.96)
CURRENT CHARGES DUE 10/26/2022 \$1,571.80
TOTAL BALANCE \$1,571.80

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: 09/01/22 TO 10/01/22
BILLING DATE: 10/05/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00
CURRENT CHARGES DUE 10/26/2022 \$1,571.80
TOTAL BALANCE \$1,571.80

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

00401511010000001571800000001650397

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

(925) 779-7060



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: 09/01/22 TO 10/01/22
BILLING DATE: 10/05/22

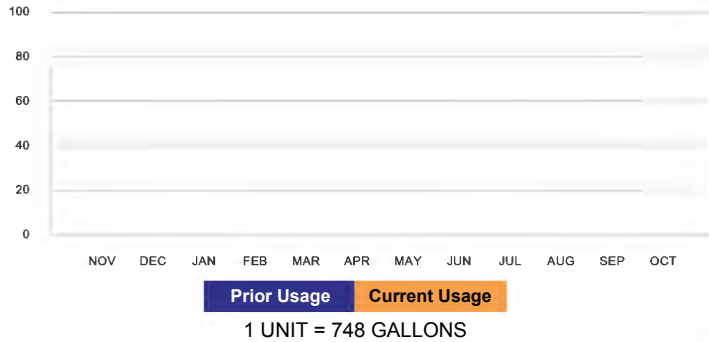
Pay Online: www.municipalonlinepayments.com/antiochca

All Offices are open Monday-Friday

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

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

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752	WATER	0	0	0

SPECIAL MESSAGE

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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 (PAY NOW TO AVOID DISCONNECT)	\$77.50
TOTAL PAYMENTS (LAST PAYMENT 09/27/2022)	(\$77.50)
CURRENT CHARGES DUE 10/26/2022	\$77.50
TOTAL BALANCE	\$77.50

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

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 09/01/22 TO 10/01/22
BILLING DATE: 10/05/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT)	\$0.00
CURRENT CHARGES DUE 10/26/2022	\$77.50
TOTAL BALANCE	\$77.50

AMOUNT ENCLOSED

REMIT PAYMENT TO:

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



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

0040151201000000007750000000081387

Payment Options



AutoDraft

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Online

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By Phone - Available 24/7

(925) 779-7060



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

Antioch City Hall - 1st Floor

200 H Street

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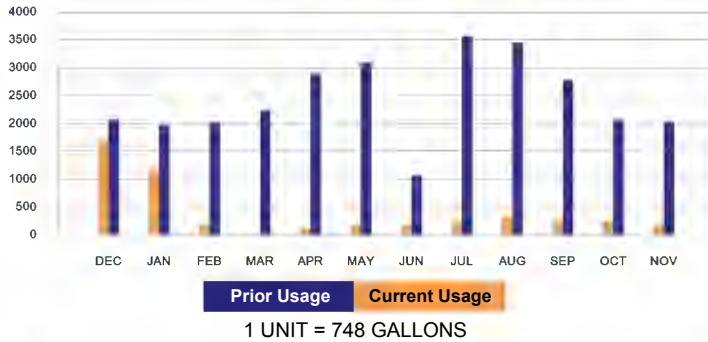
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Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	117032	117207	175

SPECIAL MESSAGE

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Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 10/01/22 TO 11/01/22
BILLING DATE: 11/03/22

CURRENT CHARGES

WATER \$796.25
USAGE TIER 1 = 175 Units @ 4.55 / UNIT \$796.25
2 " WATER MAINT FEE \$165.00
SEWER \$233.85
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE (PAY NOW TO AVOID DISCONNECT) \$1,571.80
TOTAL PAYMENTS (LAST PAYMENT 10/27/2022) (\$1,650.39)
TOTAL PENALTIES \$78.59
CURRENT CHARGES DUE 11/24/2022 \$1,220.20
TOTAL BALANCE \$1,220.20

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: 10/01/22 TO 11/01/22
BILLING DATE: 11/03/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00
CURRENT CHARGES DUE 11/24/2022 \$1,220.20
TOTAL BALANCE \$1,220.20

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

00401511010000001220200000001281218

Payment Options



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By Phone - Available 24/7

(866) 301-8999



By Mail

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West Sacramento, CA 95798



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Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 10/01/22 TO 11/01/22
BILLING DATE: 11/03/22

Pay Online: www.municipalonlinepayments.com/antiochca

All Offices are open Monday-Friday

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

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

YOUR MONTHLY USAGE



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

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

AMOUNT NOW DUE

PREVIOUS BALANCE (PAY NOW TO AVOID DISCONNECT)	\$77.50
TOTAL PAYMENTS (LAST PAYMENT 10/27/2022)	(\$81.38)
TOTAL PENALTIES	\$3.88
CURRENT CHARGES DUE 11/24/2022	\$77.50

TOTAL BALANCE \$77.50

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

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ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 10/01/22 TO 11/01/22
BILLING DATE: 11/03/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT)	\$0.00
CURRENT CHARGES DUE 11/24/2022	\$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

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



Online

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

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



By Phone - Available 24/7

(866) 301-8999



By Mail

City of Antioch

PO Box 981476

West Sacramento, CA 95798



Smart Phone App

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

For iOS and Android



Dropbox

Antioch City Hall

Mid Parking Lot (Drive-Up)

*No Cash



In Person

Antioch City Hall - 1st Floor

200 H Street

Billing

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

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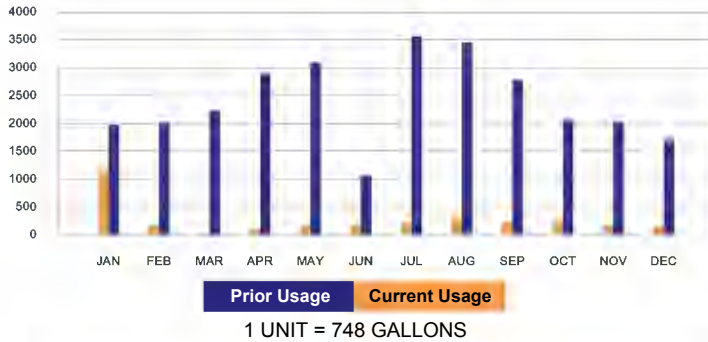
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All Offices are open Monday-Friday

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

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

YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	117207	117356	149

SPECIAL MESSAGE

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

Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 11/01/22 TO 12/01/22
BILLING DATE: 12/06/22

CURRENT CHARGES

WATER \$677.95
USAGE TIER 1 = 149 Units @ 4.55 / UNIT \$677.95
2" WATER MAINT FEE \$165.00
SEWER \$199.79
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE \$1,220.20
TOTAL PAYMENTS (LAST PAYMENT 11/18/2022) (\$1,220.20)
CURRENT CHARGES DUE 12/27/2022 \$1,067.84
TOTAL BALANCE \$1,067.84

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

PUBLIC WORKS

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 11/01/22 TO 12/01/22
BILLING DATE: 12/06/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$0.00
CURRENT CHARGES DUE 12/27/2022 \$1,067.84
TOTAL BALANCE \$1,067.84

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 Mail

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: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 11/01/22 TO 12/01/22
BILLING DATE: 12/06/22

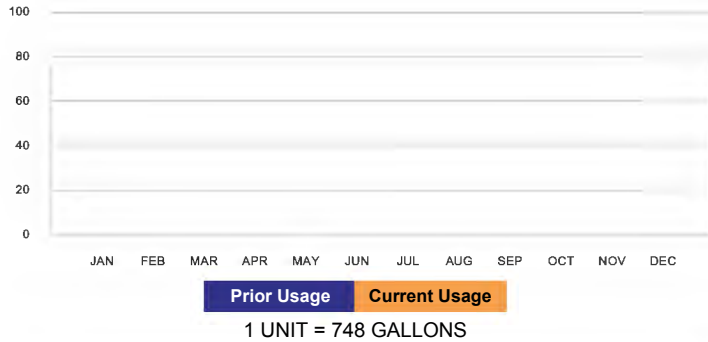
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YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752	WATER	0	0	0

SPECIAL MESSAGE

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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 11/18/2022)	(\$77.50)
CURRENT CHARGES DUE 12/27/2022	\$77.50
TOTAL BALANCE	\$77.50

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

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01512-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 11/01/22 TO 12/01/22
BILLING DATE: 12/06/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE	\$0.00
CURRENT CHARGES DUE 12/27/2022	\$77.50
TOTAL BALANCE	\$77.50

AMOUNT ENCLOSED

REMIT PAYMENT TO:

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



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

00401512010000000077500000000081387

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West Sacramento, CA 95798



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Antioch City Hall

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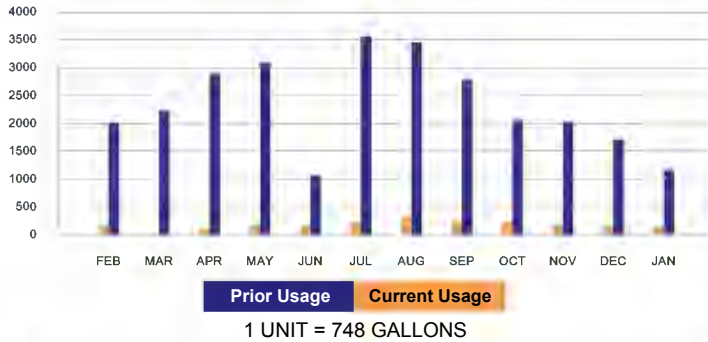
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YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	117356	117481	125

SPECIAL MESSAGE

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Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 12/01/22 TO 01/01/23
BILLING DATE: 01/05/23

CURRENT CHARGES

WATER \$568.75
USAGE TIER 1 = 125 Units @ 4.55 / UNIT \$568.75
2" WATER MAINT FEE \$165.00
SEWER \$168.35
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE \$1,067.84
TOTAL PAYMENTS (LAST PAYMENT 12/28/2022) (\$1,121.24)
TOTAL PENALTIES \$53.40
CURRENT CHARGES DUE 01/26/2023 \$927.20
TOTAL BALANCE \$927.20

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Payment Coupon

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 12/01/22 TO 01/01/23
BILLING DATE: 01/05/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE \$0.00
CURRENT CHARGES DUE 01/26/2023 \$927.20
TOTAL BALANCE \$927.20

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

00401511010000000927200000000973576

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SERVICE PERIOD: 12/01/22 TO 01/01/23
BILLING DATE: 01/05/23

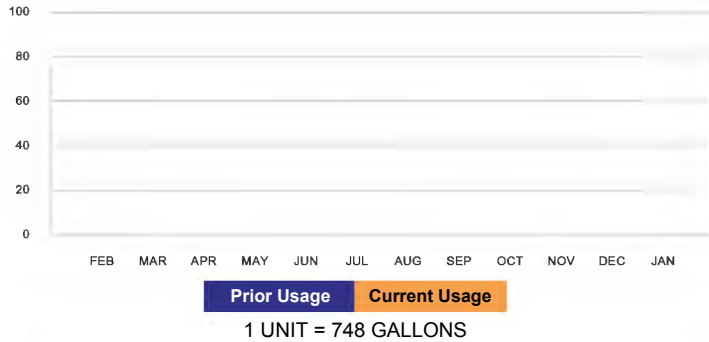
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YOUR MONTHLY USAGE



Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31752	WATER	0	0	0

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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 12/28/2022)	(\$81.38)
TOTAL PENALTIES	\$3.88
CURRENT CHARGES DUE 01/26/2023	\$77.50
TOTAL BALANCE	\$77.50

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Payment Coupon

ACCOUNT INFORMATION

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SERVICE PERIOD: 12/01/22 TO 01/01/23
BILLING DATE: 01/05/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE	\$0.00
CURRENT CHARGES DUE 01/26/2023	\$77.50
TOTAL BALANCE	\$77.50

AMOUNT ENCLOSED

REMIT PAYMENT TO:

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

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

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GGIS Wastewater Discharge Flow Data January-December 2022

PG&E Gateway Generating Station

Discharge Flow Data

January 2022-March 2022

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)	
1/1/2022	34.6	0.0	NO	27,479	0.0	0	NO		27,479
1/2/2022	34.5	0.0	NO	20,341	0.0	0	NO		20,341
1/3/2022	34.9	0.0	NO	37,554	8.0	0	NO	402	37,956
1/4/2022	34.5	0.0	NO	25,157	10.7	0	NO	388	25,546
1/5/2022	35.0	0.0	NO	41,634	0.0	0	NO		41,634
1/6/2022	35.1	0.0	NO	31,573	11.2	0	NO	440	32,013
1/7/2022	34.5	0.0	NO	24,528	0.0	0	NO		24,528
1/8/2022	34.7	1.0	NO	23,181	0.0	2	NO		23,181
1/9/2022	35.0	0.0	NO	33,548	0.0	0	NO		33,548
1/10/2022	34.8	0.0	NO	45,441	0.4	0	NO		45,441
1/11/2022	34.7	0.0	NO	31,435	0.4	0	NO	128	31,563
1/12/2022	34.8	0.0	NO	38,695	10.4	0	NO	592	39,288
1/13/2022	35.0	0.0	NO	20,035	0.0	0	NO	0	20,035
1/14/2022	35.5	0.0	NO	31,883	12.3	0	NO	364	32,247
1/15/2022	34.8	0.0	NO	23,400	0.1	0	NO	2	23,403
1/16/2022	35.4	0.0	NO	47,169	0.1	0	NO		47,169
1/17/2022	34.7	0.0	NO	18,848	0.0	0	NO		18,848
1/18/2022	35.5	0.0	NO	27,093	0.0	0	NO		27,093
1/19/2022	34.6	0.0	NO	16,468	8.0	0	NO	402	16,871
1/20/2022	35.3	0.0	NO	29,923	0.0	0	NO		29,923
1/21/2022	35.0	0.0	NO	33,178	6.3	0	NO	386	33,564
1/22/2022	34.9	0.0	NO	44,222	0.1	0	NO		44,222
1/23/2022	34.7	0.0	NO	38,873	0.0	0	NO		38,873
1/24/2022	50.7	6.0	NO	47,498	0.0	0	NO		47,498
1/25/2022	34.5	0.0	NO	45,239	9.2	0	NO	381	45,620
1/26/2022	34.6	0.0	NO	48,997	0.0	0	NO		48,997
1/27/2022	34.6	0.0	NO	25,269	11.2	0	NO	380	25,649
1/28/2022	34.8	0.0	NO	48,995	0.0	0	NO		48,995
1/29/2022	34.6	0.0	NO	38,755	0.0	0	NO		38,755
1/30/2022	34.9	0.0	NO	41,884	8.0	0	NO	154	42,038
1/31/2022	34.5	0.0	NO	35,872	11.8	0	NO	241	36,113

Max Daily Flow (Limit: 51,120):

48,997

Monthly Total:

1,048,427

2/1/2022	34.9	0.0	NO	40,374	4.7	0	NO	413	40,788
2/2/2022	35.1	0.0	NO	49,006	0.0	0	NO		49,006
2/3/2022	35.0	0.0	NO	36,334	2.1	0	NO	444	36,778
2/4/2022	35.1	0.0	NO	33,481	0.1	0	NO	0	33,481
2/5/2022	-0.7	0.0	NO		2.5	0	NO	407	407
2/6/2022	-0.7	0.0	NO		0.1	0	NO	1	1
2/7/2022	34.7	0.0	NO	6,859	3.9	0	NO	320	7,179
2/8/2022	-0.5	1.0	NO		1.9	2	NO	46	46
2/9/2022	-0.5	0.0	NO		6.2	0	NO	436	436
2/10/2022	-0.5	0.0	NO		0.1	0	NO	436	436
2/11/2022	-0.5	0.0	NO		5.8	0	NO	367	367
2/12/2022	-0.5	0.0	NO		0.1	0	NO	0	0
2/13/2022	-0.5	0.0	NO		0.1	0	NO		-
2/14/2022	-0.5	0.0	NO		2.8	0	NO	465	465
2/15/2022	34.5	0.0	NO	13,082	8.4	296	NO	391	13,473
2/16/2022	-0.6	0.0	NO		3.0	35	NO	27	27
2/17/2022	0.0	0.0	NO	-	6.5	0	NO	359	359
2/18/2022	0.0	0.0	NO	-	9.4	0	NO	420	420
2/19/2022	0.0	0.0	NO	-	0.0	0	NO		-

PG&E Gateway Generating Station

Discharge Flow Data

January 2022-March 2022

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)	
2/20/2022	0.0	0.0	NO	-	0.0	0	NO		-
2/21/2022	0.0	0.0	NO	-	10.3	0	NO	390	390
2/22/2022	0.0	0.0	NO	-	6.4	0	NO	247	247
2/23/2022	0.0	0.0	NO	-	7.5	0	NO	155	155
2/24/2022	0.0	0.0	NO	-	10.3	0	NO	368	368
2/25/2022	0.0	0.0	NO	-	0.1	0	NO		-
2/26/2022	0.0	0.0	NO	-	4.2	0	NO	410	410
2/27/2022	0.0	0.0	NO	-	0.1	0	NO	1	1
2/28/2022	0.0	0.0	NO	-	11.3	0	NO	213	213

Max Daily Flow (Limit: 51,120): 49,006

Monthly Total: 185,453

3/1/2022	0.0	0.0	NO	-	11.3	0	NO	169	169
3/2/2022	96.7	1.0	NO		4.2	0	NO	408	408
3/3/2022	-0.5	0.0	NO		0.0	0	NO		-
3/4/2022	-0.5	0.0	NO		0.0	0	NO		-
3/5/2022	-0.5	0.0	NO		14.9	0	NO	350	350
3/6/2022	-0.5	0.0	NO		0.1	0	NO		-
3/7/2022	-0.4	0.0	NO		0.0	0	NO		-
3/8/2022	-0.5	1.0	NO		3.6	2	NO	452	452
3/9/2022	-0.4	0.0	NO		0.0	0	NO		-
3/10/2022	-0.5	0.0	NO		20.9	0	NO		-
3/11/2022	-0.5	0.0	NO		0.0	0	NO		-
3/12/2022	-0.5	0.0	NO		0.0	0	NO		-
3/13/2022	-0.5	60.0	NO		0.0	60	NO		-
3/14/2022	34.8	0.0	NO	10,601	20.2	0	NO	412	11,013
3/15/2022	34.6	0.0	NO	6,709	0.1	0	NO		6,709
3/16/2022	34.5	0.0	NO	40,990	18.3	0	NO	386	41,376
3/17/2022	34.5	0.0	NO	33,260	0.0	0	NO		33,260
3/18/2022	34.7	0.0	NO	17,900	0.0	0	NO		17,900
3/19/2022	35.0	0.0	NO	21,010	0.0	0	NO		21,010
3/20/2022	34.9	0.0	NO	30,784	11.6	0	NO	350	31,134
3/21/2022	34.5	0.0	NO	48,707	0.0	0	NO		48,707
3/22/2022	34.4	0.0	NO	48,857	6.6	0	NO	141	48,998
3/23/2022	34.6	0.0	NO	48,693	10.4	0	NO	296	48,989
3/24/2022	34.5	0.0	NO	7,741	0.0	0	NO		7,741
3/25/2022	34.7	0.0	NO	14,625	20.4	0	NO	390	15,015
3/26/2022	34.8	0.0	NO	42,331	0.0	0	NO	2	42,333
3/27/2022	34.4	0.0	NO	28,565	0.0	0	NO		28,565
3/28/2022	32.8	0.0	NO	25,155	20.8	0	NO	306	25,461
3/29/2022	32.5	0.0	NO	28,407	0.0	0	NO		28,407
3/30/2022	32.6	0.0	NO	26,735	18.3	0	NO	388	27,123
3/31/2022	32.5	0.0	NO	9,711	0.1	0	NO		9,711

Max Daily Flow (Limit: 51,120): 48,998

Monthly Total: 494,831

Notes:

- On 2/15/2022: System placed in LOTO for repair work on outlet valve. The bad quality in meter reading was due to no water in the meter.
- On 3/13/2022: There was no missing data. The reading was a result of change of time to daylight savings time.

PG&E Gateway Generating Station

Discharge Flow Data

April 2022-June 2022

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)	
4/1/2022	32.7	0.0	NO	24,125	0.1	0	NO		24,125
4/2/2022	33.9	0.0	NO	22,812	0.0	0	NO		22,812
4/3/2022	33.6	0.0	NO	14,038	0.0	0	NO		14,038
4/4/2022	35.1	0.0	NO	16,207	12.5	0	NO	382	16,589
4/5/2022	34.6	0.0	NO	25,407	0.0	0	NO		25,407
4/6/2022	34.4	0.0	NO	20,122	2.7	0	NO	425	20,547
4/7/2022	34.6	0.0	NO	43,574	0.0	0	NO		43,574
4/8/2022	34.6	1.0	NO	39,426	0.0	2	NO		39,426
4/9/2022	35.3	0.0	NO	29,555	0.2	0	NO	10	29,564
4/10/2022	34.5	0.0	NO	14,668	0.1	0	NO	10	14,677
4/11/2022	34.5	0.0	NO	35,119	0.0	0	NO		35,119
4/12/2022	34.8	0.0	NO	18,488	0.1	0	NO		18,488
4/13/2022	34.7	0.0	NO	25,632	0.1	0	NO		25,632
4/14/2022	34.6	0.0	NO	27,960	4.7	0	NO		27,960
4/15/2022	34.8	0.0	NO	33,065	0.1	0	NO		33,065
4/16/2022	35.0	0.0	NO	14,794	0.0	0	NO		14,794
4/17/2022	34.6	0.0	NO	13,942	0.1	0	NO		13,942
4/18/2022	34.7	0.0	NO	42,194	0.1	0	NO		42,194
4/19/2022	34.8	0.0	NO	34,022	25.6	0	NO	302	34,324
4/20/2022	34.6	0.0	NO	48,292	20.2	0	NO	685	48,978
4/21/2022	34.7	0.0	NO	39,690	0.0	0	NO		39,690
4/22/2022	34.5	0.0	NO	44,993	0.0	0	NO		44,993
4/23/2022	34.6	0.0	NO	41,732	18.3	0	NO	349	42,081
4/24/2022	34.8	0.0	NO	29,990	0.0	0	NO		29,990
4/25/2022	35.0	0.0	NO	28,221	0.0	0	NO		28,221
4/26/2022	34.7	0.0	NO	38,114	21.9	0	NO	351	38,465
4/27/2022	34.6	0.0	NO	19,816	0.0	0	NO		19,816
4/28/2022	-0.5	0.0	NO		21.3	0	NO	332	332
4/29/2022	34.8	0.0	NO	31,858	0.0	0	NO		31,858
4/30/2022	34.5	0.0	NO	39,850	0.0	0	NO		39,850

Max Daily Flow (Limit: 51,120):

48,978

Monthly Total:

860,553

5/1/2022	34.8	0.0	NO	13,861	0.0	0	NO		13,861
5/2/2022	34.6	0.0	NO	6,341	23.8	0	NO	362	6,703
5/3/2022	34.7	0.0	NO	21,043	0.0	0	NO		21,043
5/4/2022	35.0	0.0	NO	32,549	0.0	0	NO		32,549
5/5/2022	35.3	0.0	NO	28,989	24.3	0	NO	378	29,367
5/6/2022	34.8	0.0	NO	44,836	0.0	0	NO		44,836
5/7/2022	34.6	0.0	NO	27,905	24.1	0	NO	377	28,283
5/8/2022	34.8	1.0	NO	26,082	0.0	2	NO		26,082
5/9/2022	34.6	0.0	NO	10,146	0.0	0	NO		10,146
5/10/2022	34.7	0.0	NO	24,726	25.9	0	NO		24,726
5/11/2022	34.5	0.0	NO	18,870	0.1	0	NO		18,870
5/12/2022	34.7	0.0	NO	16,487	23.9	0	NO	350	16,837
5/13/2022	34.8	0.0	NO	28,137	0.0	0	NO		28,137
5/14/2022	35.1	0.0	NO	20,996	0.0	0	NO		20,996
5/15/2022	34.5	0.0	NO	49,034	0.0	0	NO		49,034
5/16/2022	34.8	0.0	NO	9,554	25.6	0	NO	376	9,929
5/17/2022	34.7	0.0	NO	23,232	0.0	0	NO		23,232
5/18/2022	34.7	0.0	NO	31,492	0.0	0	NO		31,492
5/19/2022	34.8	0.0	NO	45,833	25.7	0	NO	369	46,202
5/20/2022	34.8	0.0	NO	40,275	0.0	0	NO		40,275

PG&E Gateway Generating Station

Discharge Flow Data

April 2022-June 2022

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)	
5/21/2022	34.8	0.0	NO	13,138	0.0	0	NO		13,138
5/22/2022	-0.5	0.0	NO		26.8	0	NO	362	362
5/23/2022	35.2	0.0	NO	33,471	0.0	0	NO		33,471
5/24/2022	34.7	0.0	NO	49,033	0.0	0	NO		49,033
5/25/2022	34.8	0.0	NO	44,978	25.8	0	NO	360	45,338
5/26/2022	34.7	0.0	NO	48,573	0.0	0	NO		48,573
5/27/2022	34.7	0.0	NO	40,446	27.0	0	NO	347	40,793
5/28/2022	34.6	0.0	NO	26,284	0.0	0	NO		26,284
5/29/2022	35.0	0.0	NO	22,423	0.1	0	NO		22,423
5/30/2022	34.5	0.0	NO	13,245	0.0	0	NO		13,245
5/31/2022	34.6	0.0	NO	45,568	26.5	0	NO	348	45,916

Max Daily Flow (Limit: 51,120): 49,034

Monthly Total: 861,176

6/1/2022	34.8	0.0	NO	49,022	0.0	0	NO		49,022
6/2/2022	34.8	0.0	NO	17,606	24.9	0	NO	361	17,967
6/3/2022	34.5	0.0	NO	6,347	0.1	0	NO		6,347
6/4/2022	34.5	0.0	NO	14,454	0.0	0	NO		14,454
6/5/2022	34.8	0.0	NO	16,259	0.0	0	NO		16,259
6/6/2022	34.6	0.0	NO	40,855	26.0	0	NO	349	41,204
6/7/2022	34.6	0.0	NO	35,443	0.0	0	NO		35,443
6/8/2022	34.8	1.0	NO	42,578	25.8	2	NO	381	42,958
6/9/2022	35.0	0.0	NO	36,799	0.0	0	NO		36,799
6/10/2022	34.7	0.0	NO	29,342	0.0	0	NO		29,342
6/11/2022	34.8	0.0	NO	49,026	0.0	0	NO		49,026
6/12/2022	34.8	0.0	NO	20,648	26.4	0	NO	548	21,195
6/13/2022	34.9	0.0	NO	36,271	0.1	0	NO		36,271
6/14/2022	34.6	0.0	NO	48,261	26.4	0	NO	327	48,587
6/15/2022	34.5	0.0	NO	46,677	0.0	0	NO		46,677
6/16/2022	35.0	0.0	NO	32,830	26.0	0	NO	360	33,189
6/17/2022	35.0	0.0	NO	35,001	0.0	0	NO		35,001
6/18/2022	34.8	0.0	NO	25,106	0.0	0	NO		25,106
6/19/2022	34.5	0.0	NO	9,447	27.2	0	NO	360	9,807
6/20/2022	34.7	0.0	NO	24,689	0.0	0	NO		24,689
6/21/2022	34.5	0.0	NO	49,026	0.0	0	NO		49,026
6/22/2022	34.6	0.0	NO	46,068	26.1	0	NO	344	46,412
6/23/2022	34.8	9.0	NO	32,128	0.1	13	NO		32,128
6/24/2022	34.8	0.0	NO	40,743	0.0	0	NO		40,743
6/25/2022	35.1	0.0	NO	28,543	27.5	0	NO	365	28,908
6/26/2022	34.8	0.0	NO	45,280	0.0	0	NO		45,280
6/27/2022	34.7	0.0	NO	43,925	0.0	0	NO		43,925
6/28/2022	34.7	0.0	NO	39,245	26.1	0	NO	361	39,606
6/29/2022	34.9	0.0	NO	42,112	0.0	0	NO		42,112
6/30/2022	35.2	0.0	NO	27,559	25.9	0	NO	340	27,899

Max Daily Flow (Limit: 51,120): 49,026

Monthly Total: 1,015,382

PG&E Gateway Generating Station

Discharge Flow Data

July 2022-September 2022

Date	Industrial Flow				Sanitary Flow				Site Total (Gallons)
	Instantaneous Flow (GPM)	Time Over 35.5 GPM (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	Instantaneous Flow (GPM)	Time Meter went Bad Quality (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	
7/1/2022	34.8	0.0	NO	32,518	0.0	0	NO		32,518
7/2/2022	35.0	0.0	NO	27,315	0.0	0	NO		27,315
7/3/2022	34.8	0.0	NO	13,355	0.0	0	NO		13,355
7/4/2022	34.8	0.0	NO	15,190	0.0	0	NO		15,190
7/5/2022	34.7	0.0	NO	29,201	26.9	0	NO	348	29,549
7/6/2022	34.9	0.0	NO	43,519	0.0	0	NO		43,519
7/7/2022	35.0	0.0	NO	35,943	0.0	0	NO		35,943
7/8/2022	34.8	1.0	NO	44,348	27.1	2	NO	360	44,708
7/9/2022	34.7	0.0	NO	22,041	0.0	0	NO		22,041
7/10/2022	34.9	0.0	NO	37,525	0.0	0	NO		37,525
7/11/2022	34.9	0.0	NO	37,272	0.0	0	NO		37,272
7/12/2022	34.6	0.0	NO	28,212	27.1	0	NO	352	28,564
7/13/2022	35.0	0.0	NO	24,421	0.0	0	NO		24,421
7/14/2022	34.8	0.0	NO	33,160	26.5	0	NO	346	33,506
7/15/2022	34.8	0.0	NO	39,259	0.1	0	NO		39,259
7/16/2022	34.5	0.0	NO	45,157	0.0	0	NO		45,157
7/17/2022	34.6	0.0	NO	47,225	27.8	0	NO	330	47,554
7/18/2022	34.7	0.0	NO	44,008	0.0	0	NO		44,008
7/19/2022	34.7	0.0	NO	39,513	0.0	0	NO		39,513
7/20/2022	34.6	0.0	NO	44,416	26.8	0	NO	359	44,774
7/21/2022	34.5	0.0	NO	42,012	0.0	0	NO		42,012
7/22/2022	34.5	0.0	NO	48,224	26.5	0	NO	349	48,573
7/23/2022	34.5	0.0	NO	43,877	0.0	0	NO		43,877
7/24/2022	34.7	0.0	NO	49,026	0.0	0	NO		49,026
7/25/2022	34.4	0.0	NO	34,518	27.1	0	NO	356	34,874
7/26/2022	34.7	0.0	NO	35,241	0.0	0	NO		35,241
7/27/2022	34.4	0.0	NO	48,644	25.6	0	NO	347	48,991
7/28/2022	34.5	0.0	NO	39,264	0.0	0	NO		39,264
7/29/2022	34.8	0.0	NO	38,395	26.1	0	NO	358	38,753
7/30/2022	34.6	0.0	NO	14,233	0.0	0	NO		14,233
7/31/2022	34.7	0.0	NO	20,388	0.0	0	NO		20,388

Max Daily Flow (Limit: 51,120):

49,026

Monthly Total:

1,100,925

8/1/2022	34.9	0.0	NO	36,960	25.9	0	NO	347	37,307
8/2/2022	34.9	0.0	NO	28,894	0.0	0	NO		28,894
8/3/2022	35.3	0.0	NO	27,590	26.8	0	NO	343	27,934
8/4/2022	34.8	0.0	NO	43,118	0.0	0	NO		43,118
8/5/2022	34.6	0.0	NO	48,640	26.2	0	NO	346	48,985
8/6/2022	35.1	0.0	NO	45,989	0.0	0	NO		45,989
8/7/2022	34.8	0.0	NO	39,828	0.0	0	NO		39,828
8/8/2022	34.5	1.0	NO	46,952	0.0	2	NO		46,952
8/9/2022	34.5	0.0	NO	46,958	25.8	0	NO	355	47,313
8/10/2022	34.8	0.0	NO	36,101	27.5	0	NO	355	36,457
8/11/2022	34.9	0.0	NO	36,486	0.0	0	NO		36,486
8/12/2022	34.6	0.0	NO	21,413	28.1	0	NO	361	21,773
8/13/2022	34.9	0.0	NO	35,770	0.0	0	NO		35,770
8/14/2022	35.0	0.0	NO	45,064	0.0	0	NO		45,064
8/15/2022	34.9	0.0	NO	26,428	0.0	0	NO		26,428
8/16/2022	34.8	0.0	NO	28,771	27.0	0	NO	363	29,135
8/17/2022	34.6	0.0	NO	43,971	0.0	0	NO		43,971
8/18/2022	35.0	0.0	NO	30,683	26.2	0	NO	348	31,031
8/19/2022	34.8	0.0	NO	30,692	0.0	0	NO		30,692

Public

PG&E Gateway Generating Station

Discharge Flow Data

July 2022-September 2022

Date	Industrial Flow				Sanitary Flow				Site Total (Gallons)
	Instantaneous Flow (GPM)	Time Over 35.5 GPM (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	Instantaneous Flow (GPM)	Time Meter went Bad Quality (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	
8/20/2022	34.8	0.0	NO	32,650	0.0	0	NO		32,650
8/21/2022	34.5	0.0	NO	45,827	0.0	0	NO		45,827
8/22/2022	34.4	0.0	NO	48,423	27.8	0	NO	372	48,795
8/23/2022	34.8	0.0	NO	27,421	0.0	0	NO		27,421
8/24/2022	34.7	0.0	NO	39,497	27.2	0	NO	349	39,846
8/25/2022	35.2	0.0	NO	36,141	27.7	0	NO	363	36,505
8/26/2022	34.7	0.0	NO	47,131	0.0	0	NO		47,131
8/27/2022	34.8	10.0	NO	43,259	0.0	10	NO		43,259
8/28/2022	34.5	0.0	NO	45,504	0.0	0	NO		45,504
8/29/2022	34.5	0.0	NO	25,654	28.7	0	NO	369	26,022
8/30/2022	34.4	0.0	NO	28,703	24.7	0	NO	234	28,937
8/31/2022	34.5	0.0	NO	49,024	0.0	0	NO		49,024

Max Daily Flow (Limit: 51,120): 49,024

Monthly Total: 1,174,046

9/1/2022	34.5	0.0	NO	40,577	28.0	0	NO	376	40,953
9/2/2022	34.9	0.0	NO	22,580	0.0	0	NO		22,580
9/3/2022	35.1	0.0	NO	27,834	0.0	0	NO		27,834
9/4/2022	34.9	0.0	NO	42,602	25.9	0	NO	365	42,967
9/5/2022	34.9	0.0	NO	32,673	0.1	0	NO		32,673
9/6/2022	34.8	0.0	NO	33,342	0.0	0	NO		33,342
9/7/2022	34.7	0.0	NO	43,980	28.4	0	NO	393	44,373
9/8/2022	34.5	1.0	NO	46,541	28.4	2	NO	780	47,321
9/9/2022	34.8	0.0	NO	35,974	0.0	0	NO		35,974
9/10/2022	35.0	0.0	NO	36,306	0.0	0	NO		36,306
9/11/2022	34.5	0.0	NO	46,980	26.8	0	NO	378	47,358
9/12/2022	34.8	0.0	NO	47,820	0.1	0	NO		47,820
9/13/2022	34.6	0.0	NO	44,712	26.4	0	NO	370	45,082
9/14/2022	34.6	0.0	NO	20,686	0.1	0	NO		20,686
9/15/2022	34.8	0.0	NO	6,549	25.3	0	NO	350	6,899
9/16/2022	34.8	0.0	NO	14,350	0.0	0	NO		14,350
9/17/2022	34.9	0.0	NO	23,348	0.0	0	NO		23,348
9/18/2022	34.7	0.0	NO	39,466	0.0	0	NO		39,466
9/19/2022	34.6	0.0	NO	22,540	0.0	0	NO		22,540
9/20/2022	34.7	0.0	NO	14,453	0.0	0	NO		14,453
9/21/2022	34.7	0.0	NO	14,743	27.8	0	NO	656	15,400
9/22/2022	34.6	0.0	NO	22,641	27.7	0	NO	393	23,034
9/23/2022	34.8	0.0	NO	22,420	0.0	0	NO		22,420
9/24/2022	35.0	0.0	NO	24,158	0.0	0	NO		24,158
9/25/2022	35.0	0.0	NO	28,548	0.1	0	NO		28,548
9/26/2022	34.7	0.0	NO	26,066	27.3	0	NO	396	26,462
9/27/2022	34.7	0.0	NO	25,624	0.0	0	NO		25,624
9/28/2022	34.8	0.0	NO	29,327	28.2	0	NO	392	29,718
9/29/2022	34.7	0.0	NO	23,203	0.0	0	NO		23,203
9/30/2022	34.5	0.0	NO	19,144	0.0	0	NO		19,144

Max Daily Flow (Limit: 51,120): 47,820

Monthly Total: 884,037

PG&E Gateway Generating Station

Discharge Flow Data

October 2022-December 2022

Date	Industrial Flow				Sanitary Flow				Site Total (Gallons)
	Instantaneous Flow (GPM)	Time Over 35.5 GPM (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	Instantaneous Flow (GPM)	Time Meter went Bad Quality (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	
10/1/2022	34.7	0.0	NO	23,858	25.6	0	NO	389	24,247
10/2/2022	34.7	0.0	NO	26,804	0.0	0	NO		26,804
10/3/2022	34.7	0.0	NO	21,519	29.0	0	NO	877	22,395
10/4/2022	34.7	0.0	NO	20,101	0.0	0	NO		20,101
10/5/2022	35.0	0.0	NO	26,409	24.7	0	NO	508	26,917
10/6/2022	34.9	0.0	NO	19,377	34.4	0	NO	559	19,936
10/7/2022	35.1	0.0	NO	27,052	7.8	0	NO		27,052
10/8/2022	35.0	1.0	NO	20,936	23.9	2	NO	113	21,049
10/9/2022	35.0	0.0	NO	34,711	0.0	0	NO		34,711
10/10/2022	34.7	0.0	NO	30,504	0.0	0	NO		30,504
10/11/2022	34.8	0.0	NO	40,995	0.0	0	NO		40,995
10/12/2022	34.8	0.0	NO	25,167	0.0	0	NO		25,167
10/13/2022	34.7	0.0	NO	22,921	26.6	0	NO	921	23,842
10/14/2022	34.7	0.0	NO	24,237	0.1	0	NO		24,237
10/15/2022	34.9	0.0	NO	16,747	25.9	0	NO	482	17,228
10/16/2022	34.7	0.0	NO	39,575	24.7	0	NO	145	39,720
10/17/2022	34.6	0.0	NO	15,948	0.0	0	NO		15,948
10/18/2022	34.8	0.0	NO	22,080	28.6	0	NO	135	22,214
10/19/2022	34.9	0.0	NO	30,462	22.2	0	NO	210	30,672
10/20/2022	34.7	0.0	NO	16,613	0.1	0	NO		16,613
10/21/2022	34.6	0.0	NO	37,898	0.0	0	NO		37,898
10/22/2022	34.1	0.0	NO	8,647	0.0	0	NO		8,647
10/23/2022	30.6	0.0	NO	25,169	0.0	0	NO		25,169
10/24/2022	35.1	0.0	NO	39,164	27.4	0	NO	231	39,394
10/25/2022	34.2	0.0	NO	26,820	0.0	0	NO		26,820
10/26/2022	34.3	0.0	NO	32,363	27.1	0	NO	789	33,152
10/27/2022	32.6	0.0	NO	26,140	0.0	0	NO		26,140
10/28/2022	32.8	0.0	NO	45,906	26.9	0	NO	196	46,102
10/29/2022	34.4	0.0	NO	29,182	0.1	0	NO		29,182
10/30/2022	34.8	0.0	NO	22,438	0.0	0	NO		22,438
10/31/2022	34.8	0.0	NO	28,738	0.0	0	NO		28,738

Max Daily Flow (Limit: 51,120):

46,102

Monthly Total:

834,034

11/1/2022	34.9	0.0	NO	26,689	26.9	0	NO	633	27,323
11/2/2022	34.6	0.0	NO	34,534	0.1	0	NO	0	34,534
11/3/2022	34.8	0.0	NO	14,343	26.4	0	NO	373	14,716
11/4/2022	34.8	0.0	NO	26,721	0.0	0	NO		26,721
11/5/2022	34.5	0.0	NO	25,734	26.8	0	NO	366	26,100
11/6/2022	34.7	1.0	NO	24,844	0.1	1	NO		24,844
11/7/2022	34.6	0.0	NO	48,245	0.0	0	NO		48,245
11/8/2022	34.5	1.0	NO	22,427	0.1	2	NO		22,427
11/9/2022	34.4	0.0	NO	28,583	27.1	0	NO	371	28,955
11/10/2022	34.6	0.0	NO	33,849	0.1	0	NO	371	34,220
11/11/2022	34.6	0.0	NO	30,415	0.1	0	NO		30,415
11/12/2022	34.7	0.0	NO	14,211	27.8	0	NO	385	14,597
11/13/2022	34.6	0.0	NO	30,668	0.1	0	NO		30,668
11/14/2022	34.9	0.0	NO	29,499	0.0	0	NO		29,499
11/15/2022	34.6	0.0	NO	24,364	28.1	0	NO	392	24,756
11/16/2022	34.4	0.0	NO	29,455	0.0	0	NO		29,455
11/17/2022	35.0	0.0	NO	30,338	27.3	0	NO	375	30,714
11/18/2022	34.8	0.0	NO	25,970	0.0	0	NO	4	25,974
11/19/2022	34.4	0.0	NO	21,472	0.0	0	NO		21,472

Public

PG&E Gateway Generating Station

Discharge Flow Data

October 2022-December 2022

Date	Industrial Flow				Sanitary Flow				Site Total (Gallons)
	Instantaneous Flow (GPM)	Time Over 35.5 GPM (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	Instantaneous Flow (GPM)	Time Meter went Bad Quality (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	
11/20/2022	34.8	0.0	NO	29,804	26.3	0	NO	389	30,193
11/21/2022	34.5	0.0	NO	28,017	0.1	0	NO		28,017
11/22/2022	34.7	0.0	NO	26,745	0.1	0	NO		26,745
11/23/2022	34.6	0.0	NO	20,713	0.1	0	NO		20,713
11/24/2022	34.6	0.0	NO	14,820	23.5	0	NO	384	15,204
11/25/2022	34.9	0.0	NO	30,704	0.1	0	NO		30,704
11/26/2022	34.5	0.0	NO	18,610	0.0	0	NO		18,610
11/27/2022	34.8	0.0	NO	35,448	0.0	0	NO		35,448
11/28/2022	34.8	0.0	NO	9,834	25.9	0	NO	389	10,223
11/29/2022	-0.5	0.0	NO		0.1	0	NO	2	2
11/30/2022	34.5	0.0	NO	18,338	26.0	0	NO	403	18,741

Max Daily Flow (Limit: 51,120): 48,245

Monthly Total: 760,234

12/1/2022	34.5	0.0	NO	32,435	0.1	0	NO	1	32,436
12/2/2022	34.6	0.0	NO	17,568	0.0	0	NO		17,568
12/3/2022	34.6	0.0	NO	44,803	26.1	0	NO	393	45,196
12/4/2022	34.4	0.0	NO	33,127	0.1	0	NO	1	33,128
12/5/2022	34.7	0.0	NO	37,252	0.0	0	NO		37,252
12/6/2022	34.5	0.0	NO	28,397	26.3	0	NO	262	28,659
12/7/2022	34.9	0.0	NO	30,375	25.4	0	NO	287	30,662
12/8/2022	34.5	1.0	NO	43,605	0.0	2	NO		43,605
12/9/2022	34.5	0.0	NO	34,575	0.0	0	NO		34,575
12/10/2022	34.5	0.0	NO	32,894	26.6	0	NO		32,894
12/11/2022	34.4	0.0	NO	39,559	0.0	0	NO		39,559
12/12/2022	34.5	0.0	NO	24,316	0.0	0	NO		24,316
12/13/2022	34.5	0.0	NO	20,509	25.4	0	NO	391	20,900
12/14/2022	34.4	0.0	NO	24,504	0.1	0	NO		24,504
12/15/2022	34.4	0.0	NO	15,789	26.3	0	NO	411	16,199
12/16/2022	34.5	0.0	NO	17,808	0.0	0	NO		17,808
12/17/2022	34.6	0.0	NO	43,217	0.1	0	NO		43,217
12/18/2022	34.4	0.0	NO	27,112	27.6	0	NO	374	27,486
12/19/2022	35.0	0.0	NO	25,067	0.0	0	NO		25,067
12/20/2022	34.6	0.0	NO	34,774	0.0	0	NO		34,774
12/21/2022	34.4	0.0	NO	14,822	27.2	0	NO	389	15,211
12/22/2022	34.5	0.0	NO	6,791	0.0	0	NO		6,791
12/23/2022	34.7	0.0	NO	20,031	0.1	0	NO		20,031
12/24/2022	34.5	0.0	NO	25,279	0.0	0	NO		25,279
12/25/2022	34.5	0.0	NO	29,070	26.4	0	NO	383	29,453
12/26/2022	34.8	0.0	NO	24,652	0.1	0	NO		24,652
12/27/2022	34.6	0.0	NO	28,013	0.0	0	NO		28,013
12/28/2022	34.6	0.0	NO	28,012	27.1	0	NO	384	28,396
12/29/2022	34.5	0.0	NO	3,928	0.1	0	NO		3,928
12/30/2022	34.4	0.0	NO	33,128	0.0	0	NO		33,128
12/31/2022	35.6	0.0	NO	44,852	25.6	0	NO	397	45,249

Max Daily Flow (Limit: 51,120): 45,249

Monthly Total: 869,937

GGG Water Usage for CY 2022 (Estimated)

Volume of Incoming Water (gallons)	2017 (Billing Records)	2018 (Billing Records)	2019 (Billing Records)	2020 (Billing Records)	2021 (Billing Records)	2022 (Billing Records)	2022 (Estimated based on Percentage Discharge))
January	1,294,788	825,792	784,652	881,144	1,507,968	134,640	1,501,106
February	224,400	1,140,700	1,119,008	1,093,576	1,671,780	11,220	320,152
March	3,184,236	1,119,008	1,228,216	1,220,736	2,167,704	82,280	858,996
April	1,401,752	319,396	478,720	685,916	2,316,556	130,900	1,608,210
May	2,168,452	1,218,492	1,068,144	1,852,048	797,368	129,404	1,885,044
June	2,061,488	2,280,652	1,377,068	1,806,420	2,664,376	157,828	2,077,684
July	1,786,224	2,104,872	2,508,044	1,469,820	2,584,340	246,840	2,225,176
August	1,681,504	1,311,244	2,692,800	1,317,976	2,079,440	180,268	1,945,147
September	2,055,504	1,252,152	2,255,220	1,605,956	1,543,872	175,780	1,402,647
October	1,188,572	1,205,028	1,676,268	1,292,544	1,518,440	130,900	1,147,879
November	712,844	860,948	1,280,576	1,548,360	1,280,576	111,452	1,047,635
December	861,696	786,896	946,968	1,477,300	871,420	93,500	1,117,468
	18,621,460	14,425,180	17,415,684	16,251,796	21,003,840	1,585,012	17,137,144

Volume of Discharged Wastewater (gallons)	2017 (Flowmeter Readings)	2018 (Flowmeter Readings)	2019 (Flowmeter Readings)	2020 (Flowmeter Readings)	2021 (Flowmeter Readings)	2022 (Flowmeter Readings)
January	922,981	595,902	583,462	573,723	999,816	1,048,427
February	995,149	665,341	642,154	637,223	965,002	185,453
March	1,081,198	766,023	793,611	813,098	1,179,151	494,831
April	647,934	223,178	234,569	391,835	1,050,020	860,553
May	961,357	491,880	573,277	882,603	338,050	861,176
June	1,097,960	926,551	633,026	1,065,745	1,212,301	1,015,382
July	1,148,569	837,244	930,128	900,501	1,161,648	1,100,925
August	1,169,873	915,593	817,158	994,281	1,177,030	1,174,046
September	1,245,381	856,884	849,400	1,312,252	1,030,315	884,037
October	1,009,096	754,451	858,003	1,165,312	1,130,378	834,034
November	666,388	553,929	726,401	1,044,092	1,035,399	760,234
December	663,539	502,374	677,412	1,055,450	918,641	869,937
	11,609,425	8,089,350	8,318,601	10,836,115	12,197,751	10,089,035

Percentage of Discharge (Calculated)	2017	2018	2019	2020	2021	5-average
January	71	72	74	65	66	70
February		58	57	58	58	58
March	34	68	65	67	54	58
April	46	70	49	57	45	54
May	44	40	54	48	42	46
June	53	41	46	59	46	49
July	64	40	37	61	45	49
August	70	70	30	75	57	60
September	61	68	38	82	67	63
October	85	63	51	90	74	73
November	93	64	57	67	81	73
December	77	64	72	71	105	78

Gateway Generating Station
(00-AFC-1C)

Annual Compliance Report No. 14

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

Gateway Generating Station
(00-AFC-1C)

Annual Compliance Report No. 14

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



**Pacific Gas and
Electric Company®**

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

April 14, 2022

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

Antioch
4-14-22

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, 2021)

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, 2022, as required under DD Industrial Wastewater Discharge Permit Number 0208841-C.

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

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

Sincerely,

Tim Wisdom

Tim Wisdom
Senior Plant Manager

Attachment: a/s

Pacific Gas and Electric Company
Gateway Generating Station

Quarterly Self-Monitoring Report
For the reporting period ending in March 31, 2022

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, 2023.

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, 2022

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

Signature:_____ **Date:**_____

Print Name: Tim Wisdom

Attachment 2
Industrial User Compliance Report

Industrial User Compliance Report Form

Attn: Andrew Mora

Fax # (925)756-1961

From: Tim Wisdom

Company: Pacific Gas and Electric Company – Gateway Generating Station

Period Covered: Period ending March 31, 2022

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	3/28/2021	3/29/2022	3/29/2022	3/29/2022	3/29/2022			
TYPE	G	G	C24	G	G			
STATION	E-001	E-001	E-001	E-001	E-001			
SMP.BY	Muskan	Muskan	Muskan	Muskan	Muskan			
PURPOSE	Compliance Quarterly (Q1)	Compliance Quarterly (Q1)	Compliance Quarterly (Q1)	Compliance Semi-annually (SA1)	Compliance Annually (A)			

Units: mg/L

PARAMETERS	LIMITS								
FLOW, DAILY (gal)	51,120								
FLOW, MONTH (gal)									
pH	6-10 s.u.	8.92							
BOD				ND(<40)					
COD				16.0					
TDS				354.0					
TSS				15.2					
Arsenic	0.15			ND(<0.0025)					
Cadmium	0.1			ND(<0.0025)					
Chromium	0.5			0.0070					
Copper	0.5			0.0180					
Iron				14.0					
Lead	0.5			ND(<0.0025)					
Mercury	0.003			ND(<0.0002)					
Molybdenum				0.016					
Nickel	0.5			0.0079					
Selenium	0.25			ND(<0.0025)					
Silver	0.2			ND(<0.0025)					
Zinc	1.00			0.680					
Cyanide	0.2		0.012						
Phenol	1.00		ND(<0.002)						
Ammonia	200		13						
O&G Petro/Min (E1664A w/ Silica)	100	ND(<5.0)	ND(<5.0)						
O&G Animal/Vegetable Oil	300	15	ND(<5.0)						
TTO EPA 608					ND(<0.000001)				
TTO EPA 624					0.00385				
TTO EPA 625					0.001819				
TTO	2.00				0.005669				
Sulfide						ND (<0.1)			
Sulfate						96			

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

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

Attachment 4
Discharge Flow Data

PG&E Gateway Generating Station

Discharge Flow Data

January 2022-March 2022

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)	
1/1/2022	34.6	0.0	NO	27,479	0.0	0	NO		27,479
1/2/2022	34.5	0.0	NO	20,341	0.0	0	NO		20,341
1/3/2022	34.9	0.0	NO	37,554	8.0	0	NO	402	37,956
1/4/2022	34.5	0.0	NO	25,157	10.7	0	NO	388	25,546
1/5/2022	35.0	0.0	NO	41,634	0.0	0	NO		41,634
1/6/2022	35.1	0.0	NO	31,573	11.2	0	NO	440	32,013
1/7/2022	34.5	0.0	NO	24,528	0.0	0	NO		24,528
1/8/2022	34.7	1.0	NO	23,181	0.0	2	NO		23,181
1/9/2022	35.0	0.0	NO	33,548	0.0	0	NO		33,548
1/10/2022	34.8	0.0	NO	45,441	0.4	0	NO		45,441
1/11/2022	34.7	0.0	NO	31,435	0.4	0	NO	128	31,563
1/12/2022	34.8	0.0	NO	38,695	10.4	0	NO	592	39,288
1/13/2022	35.0	0.0	NO	20,035	0.0	0	NO	0	20,035
1/14/2022	35.5	0.0	NO	31,883	12.3	0	NO	364	32,247
1/15/2022	34.8	0.0	NO	23,400	0.1	0	NO	2	23,403
1/16/2022	35.4	0.0	NO	47,169	0.1	0	NO		47,169
1/17/2022	34.7	0.0	NO	18,848	0.0	0	NO		18,848
1/18/2022	35.5	0.0	NO	27,093	0.0	0	NO		27,093
1/19/2022	34.6	0.0	NO	16,468	8.0	0	NO	402	16,871
1/20/2022	35.3	0.0	NO	29,923	0.0	0	NO		29,923
1/21/2022	35.0	0.0	NO	33,178	6.3	0	NO	386	33,564
1/22/2022	34.9	0.0	NO	44,222	0.1	0	NO		44,222
1/23/2022	34.7	0.0	NO	38,873	0.0	0	NO		38,873
1/24/2022	50.7	6.0	NO	47,498	0.0	0	NO		47,498
1/25/2022	34.5	0.0	NO	45,239	9.2	0	NO	381	45,620
1/26/2022	34.6	0.0	NO	48,997	0.0	0	NO		48,997
1/27/2022	34.6	0.0	NO	25,269	11.2	0	NO	380	25,649
1/28/2022	34.8	0.0	NO	48,995	0.0	0	NO		48,995
1/29/2022	34.6	0.0	NO	38,755	0.0	0	NO		38,755
1/30/2022	34.9	0.0	NO	41,884	8.0	0	NO	154	42,038
1/31/2022	34.5	0.0	NO	35,872	11.8	0	NO	241	36,113

Max Daily Flow (Limit: 51,120):

48,997

Monthly Total:

1,048,427

2/1/2022	34.9	0.0	NO	40,374	4.7	0	NO	413	40,788
2/2/2022	35.1	0.0	NO	49,006	0.0	0	NO		49,006
2/3/2022	35.0	0.0	NO	36,334	2.1	0	NO	444	36,778
2/4/2022	35.1	0.0	NO	33,481	0.1	0	NO	0	33,481
2/5/2022	-0.7	0.0	NO		2.5	0	NO	407	407
2/6/2022	-0.7	0.0	NO		0.1	0	NO	1	1
2/7/2022	34.7	0.0	NO	6,859	3.9	0	NO	320	7,179
2/8/2022	-0.5	1.0	NO		1.9	2	NO	46	46
2/9/2022	-0.5	0.0	NO		6.2	0	NO	436	436
2/10/2022	-0.5	0.0	NO		0.1	0	NO	436	436
2/11/2022	-0.5	0.0	NO		5.8	0	NO	367	367
2/12/2022	-0.5	0.0	NO		0.1	0	NO	0	0
2/13/2022	-0.5	0.0	NO		0.1	0	NO		-
2/14/2022	-0.5	0.0	NO		2.8	0	NO	465	465
2/15/2022	34.5	0.0	NO	13,082	8.4	296	NO	391	13,473
2/16/2022	-0.6	0.0	NO		3.0	35	NO	27	27
2/17/2022	0.0	0.0	NO	-	6.5	0	NO	359	359
2/18/2022	0.0	0.0	NO	-	9.4	0	NO	420	420
2/19/2022	0.0	0.0	NO	-	0.0	0	NO		-

PG&E Gateway Generating Station

Discharge Flow Data

January 2022-March 2022

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)	
2/20/2022	0.0	0.0	NO	-	0.0	0	NO		-
2/21/2022	0.0	0.0	NO	-	10.3	0	NO	390	390
2/22/2022	0.0	0.0	NO	-	6.4	0	NO	247	247
2/23/2022	0.0	0.0	NO	-	7.5	0	NO	155	155
2/24/2022	0.0	0.0	NO	-	10.3	0	NO	368	368
2/25/2022	0.0	0.0	NO	-	0.1	0	NO		-
2/26/2022	0.0	0.0	NO	-	4.2	0	NO	410	410
2/27/2022	0.0	0.0	NO	-	0.1	0	NO	1	1
2/28/2022	0.0	0.0	NO	-	11.3	0	NO	213	213

Max Daily Flow (Limit: 51,120): 49,006

Monthly Total: 185,453

3/1/2022	0.0	0.0	NO	-	11.3	0	NO	169	169
3/2/2022	96.7	1.0	NO		4.2	0	NO	408	408
3/3/2022	-0.5	0.0	NO		0.0	0	NO		-
3/4/2022	-0.5	0.0	NO		0.0	0	NO		-
3/5/2022	-0.5	0.0	NO		14.9	0	NO	350	350
3/6/2022	-0.5	0.0	NO		0.1	0	NO		-
3/7/2022	-0.4	0.0	NO		0.0	0	NO		-
3/8/2022	-0.5	1.0	NO		3.6	2	NO	452	452
3/9/2022	-0.4	0.0	NO		0.0	0	NO		-
3/10/2022	-0.5	0.0	NO		20.9	0	NO		-
3/11/2022	-0.5	0.0	NO		0.0	0	NO		-
3/12/2022	-0.5	0.0	NO		0.0	0	NO		-
3/13/2022	-0.5	60.0	NO		0.0	60	NO		-
3/14/2022	34.8	0.0	NO	10,601	20.2	0	NO	412	11,013
3/15/2022	34.6	0.0	NO	6,709	0.1	0	NO		6,709
3/16/2022	34.5	0.0	NO	40,990	18.3	0	NO	386	41,376
3/17/2022	34.5	0.0	NO	33,260	0.0	0	NO		33,260
3/18/2022	34.7	0.0	NO	17,900	0.0	0	NO		17,900
3/19/2022	35.0	0.0	NO	21,010	0.0	0	NO		21,010
3/20/2022	34.9	0.0	NO	30,784	11.6	0	NO	350	31,134
3/21/2022	34.5	0.0	NO	48,707	0.0	0	NO		48,707
3/22/2022	34.4	0.0	NO	48,857	6.6	0	NO	141	48,998
3/23/2022	34.6	0.0	NO	48,693	10.4	0	NO	296	48,989
3/24/2022	34.5	0.0	NO	7,741	0.0	0	NO		7,741
3/25/2022	34.7	0.0	NO	14,625	20.4	0	NO	390	15,015
3/26/2022	34.8	0.0	NO	42,331	0.0	0	NO	2	42,333
3/27/2022	34.4	0.0	NO	28,565	0.0	0	NO		28,565
3/28/2022	32.8	0.0	NO	25,155	20.8	0	NO	306	25,461
3/29/2022	32.5	0.0	NO	28,407	0.0	0	NO		28,407
3/30/2022	32.6	0.0	NO	26,735	18.3	0	NO	388	27,123
3/31/2022	32.5	0.0	NO	9,711	0.1	0	NO		9,711

Max Daily Flow (Limit: 51,120): 48,998

Monthly Total: 494,831

Notes:

- On 2/15/2022: System placed in LOTO for repair work on outlet valve. The bad quality in meter reading was due to no water in the meter.
- On 3/13/2022: There was no missing data. The reading was a result of change of time to daylight savings time.

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: **2022**

Month	Flow (gallons)	Due Date
January	1,048,427	4/15/2022
February	185,453	4/15/2022
March	494,831	4/15/2022
April		
May		
June		
July		
August		
September		
October		
November		
December		

Note:

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

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

Attachment 6
WSAC Operating Hours Report

PG&E Gateway Generating Station

WSAC Operating Hours Report
January 2022 to March 2022

WSAC Operation	
Month	Hours of Operation
January-22	0.00
February-22	0.00
March-22	7.25
April-22	
May-22	
June-22	
July-22	
August-22	
September-22	
October-22	
November-22	
December-22	

Attachment 7
Cycles of Concentration

PG&E Gateway Generating Station

WSAC Average Daily Blowdown Cycles Report
January 2022 to March 2022

WSAC Operation	
Month	Average Daily Blowdown Cycles
January-22	Not in operation
February-22	Not in operation
March-22	3.34
April-22	
May-22	
June-22	
July-22	
August-22	
September-22	
October-22	
November-22	
December-22	

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)



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Analytical Report

WorkOrder: 2203H62

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Angel Espiritu

Project P.O.:

Project: Quarterly Sampling (March 2022)

Project Received: 03/29/2022

Analytical Report reviewed & approved for release on 04/06/2022 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: 2203H62

Project: Quarterly Sampling (March 2022)

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
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
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2203H62

Project: Quarterly Sampling (March 2022)

Analytical Qualifiers

- | | |
|----|--|
| b1 | Aqueous sample that contains greater than ~1 vol. % sediment |
| i9 | The BOD dilution scheme was setup per the method and met the criterion of a residual dissolved oxygen of at least 1 mg/L and final DO difference of 2mg/L, however the reported sample yielded a result of ND based on the method dilutions performed. |



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/29/2022 12:45
Date Prepared: 03/30/2022
Project: Quarterly Sampling (March 2022)

WorkOrder: 2203H62
Extraction Method: E1664A_SG
Analytical Method: E1664A
Unit: mg/L

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2203H62-001A	Water	03/28/2022 09:30	O&G	242308

Analytes	Result	RL	DF	Date Analyzed
SGT-HEM	ND	5.0	1	03/30/2022 16:00

Analyst(s): HN

Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2203H62-002A	Water	03/29/2022 10:50	O&G	242308

Analytes	Result	RL	DF	Date Analyzed
SGT-HEM	ND	5.0	1	03/30/2022 16:05

Analyst(s): HN

Analytical Comments: b1



Analytical Report

Client: PG&E Gateway Generating Station

Date Received: 03/29/2022 12:45

Date Prepared: 03/30/2022

Project: Quarterly Sampling (March 2022)

WorkOrder: 2203H62

Extraction Method: E1664A

Analytical Method: E1664A

Unit: mg/L

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2203H62-001B	Water	03/28/2022 09:30	O&G	242307

Analytes	Result	RL	DF	Date Analyzed
HEM	15	5.0	1	03/30/2022 15:35

Analyst(s): HN

Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2203H62-002B	Water	03/29/2022 10:50	O&G	242307

Analytes	Result	RL	DF	Date Analyzed
HEM	ND	5.0	1	03/30/2022 15:40

Analyst(s): HN

Analytical Comments: b1



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/29/2022 12:45
Date Prepared: 03/30/2022
Project: Quarterly Sampling (March 2022)

WorkOrder: 2203H62
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	2203H62-002C	Water	03/29/2022 10:50	WC S ALAR 033022E 52	242309

Analytes	Result	RL	DF	Date Analyzed
Ammonia, total as N	13	1.0	10	03/30/2022 16:02

Analyst(s): RB

Analytical Comments: b1



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/29/2022 12:45
Date Prepared: 03/31/2022
Project: Quarterly Sampling (March 2022)

WorkOrder: 2203H62
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	2203H62-003A	Water	03/29/2022 10:30	WetChem	242399

Analytes	Result	RL	DE	Date Analyzed
BOD	ND	40	10	04/05/2022 07:53

Analyst(s): HAD

Analytical Comments: i9,b1



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/29/2022 12:45
Date Prepared: 03/31/2022
Project: Quarterly Sampling (March 2022)

WorkOrder: 2203H62
Extraction Method: SM5220 D-1997
Analytical Method: SM5220 D-1997
Unit: mg/L

Chemical Oxygen Demand (COD) as mg O₂ /L

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2203H62-003B	Water	03/29/2022 10:30	SPECTROPHOTOMETER2	242458

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
COD	16	10	1	03/31/2022 18:06

Analyst(s): NYG

Analytical Comments: b1



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/29/2022 12:45
Date Prepared: 03/30/2022
Project: Quarterly Sampling (March 2022)

WorkOrder: 2203H62
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	2203H62-003E	Water	03/29/2022 10:30	AA1 23	242323

Analytes	Result	RL	DF	Date Analyzed
Mercury	ND	0.20	1	03/30/2022 16:45

Analyst(s): MIG

Analytical Comments: b1



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/29/2022 12:45
Date Prepared: 03/29/2022
Project: Quarterly Sampling (March 2022)

WorkOrder: 2203H62
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Metals (>1% Sediment Content)

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
E-001 Comp	2203H62-003F	Water	03/29/2022 10:30		ICP-MS3 042SMPL.D	242206
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>	
Arsenic	ND		2.5	1	03/30/2022 15:15	
Cadmium	ND		2.5	1	03/30/2022 15:15	
Chromium	7.0		2.5	1	03/30/2022 15:15	
Copper	18		2.5	1	03/30/2022 15:15	
Iron	14,000		250	1	03/30/2022 15:15	
Lead	ND		2.5	1	03/30/2022 15:15	
Molybdenum	16		2.5	1	03/30/2022 15:15	
Nickel	7.9		2.5	1	03/30/2022 15:15	
Selenium	ND		2.5	1	03/30/2022 15:15	
Silver	ND		2.5	1	03/30/2022 15:15	
Zinc	680		50	1	03/30/2022 15:15	
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>			
Terbium	117		70-130		03/30/2022 15:15	
<u>Analyst(s):</u>	MIG		<u>Analytical Comments:</u> b1			



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/29/2022 12:45
Date Prepared: 04/06/2022
Project: Quarterly Sampling (March 2022)

WorkOrder: 2203H62
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	2203H62-002C	Water	03/29/2022 10:50	WC S ALAR 04062022C1-2	242903

Analytes	Result	RL	DF	Date Analyzed
Phenolics	ND	2.0	1	04/06/2022 11:35

Analyst(s): JN

Analytical Comments: b1



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/29/2022 12:45
Date Prepared: 03/29/2022
Project: Quarterly Sampling (March 2022)

WorkOrder: 2203H62
Extraction Method: SM2540 C-1997
Analytical Method: SM2540 C-1997
Unit: mg/L

Total Dissolved Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2203H62-003C	Water	03/29/2022 10:30	WetChem	242276

Analytes	Result	RL	DF	Date Analyzed
Total Dissolved Solids	354	10.0	1	03/30/2022 16:55

Analyst(s): JRA

Analytical Comments: b1



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/29/2022 12:45
Date Prepared: 03/31/2022
Project: Quarterly Sampling (March 2022)

WorkOrder: 2203H62
Extraction Method: SM2540 D-1997
Analytical Method: SM2540 D-1997
Unit: mg/L

Total Suspended Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2203H62-003D	Water	03/29/2022 10:30	WetChem	242379

Analytes	Result	RL	DF	Date Analyzed
Total Suspended Solids	15.2	1.00	1	03/31/2022 14:40

Analyst(s): HAD

Analytical Comments: b1



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/30/2022
Date Analyzed: 03/30/2022
Instrument: O&G
Matrix: Water
Project: Quarterly Sampling (March 2022)

WorkOrder: 2203H62
BatchID: 242308
Extraction Method: E1664A_SG
Analytical Method: E1664A
Unit: mg/L
Sample ID: MB/LCS/LCSD-242308

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL			
SGT-HEM	ND	0.72	5.0	-	-	-

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
SGT-HEM	8.5	8.1	10.42	81	77	64-132	5.04	30



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/30/2022
Date Analyzed: 03/30/2022
Instrument: O&G
Matrix: Water
Project: Quarterly Sampling (March 2022)

WorkOrder: 2203H62
BatchID: 242307
Extraction Method: E1664A
Analytical Method: E1664A
Unit: mg/L
Sample ID: MB/LCS/LCSD-242307

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL			
HEM	ND	1.3	5.0	-	-	-

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
HEM	18	18	20.83	87	88	78-114	1.60	30



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/30/2022
Date Analyzed: 03/30/2022
Instrument: WC_SKALAR
Matrix: Water
Project: Quarterly Sampling (March 2022)

WorkOrder: 2203H62
BatchID: 242309
Extraction Method: SM4500-NH3 BG
Analytical Method: SM4500-NH3 BG
Unit: mg/L
Sample ID: MB/LCS/LCSD-242309
2203H62-002CMS/MSD

QC Summary Report for SM4500-NH3

Analyte	MB Result	MDL	RL			
Ammonia, total as N	ND	0.096	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Ammonia, total as N	3.8	3.8	4	96	95	88-113	0.797	20



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

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2203H62
Date Prepared:	03/31/2022	BatchID:	242399
Date Analyzed:	04/05/2022	Extraction Method:	SM5210B
Instrument:	WetChem	Analytical Method:	SM5210 B
Matrix:	Water	Unit:	mg/L
Project:	Quarterly Sampling (March 2022)	Sample ID:	MB/LCS/LCSD-242399 2203H62-003A

QC Summary Report for BOD

Analyte	MB Result	MDL	RL
BOD	ND	4.0	4.0

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
BOD	200	190	198	100	94	80-120	16

Analyte	SAMP Result	DUP Result	RPD Limit
BOD	ND<40	ND<40	N/A



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2203H62
Date Prepared:	03/31/2022	BatchID:	242458
Date Analyzed:	03/31/2022	Extraction Method:	SM5220 D-1997
Instrument:	SPECTROPHOTOMETER2	Analytical Method:	SM5220 D-1997
Matrix:	Water	Unit:	mg/L
Project:	Quarterly Sampling (March 2022)	Sample ID:	MB/LCS/LCSD-242458 2203H62-003BMS/MSD

QC Summary Report for COD

Analyte	MB Result	MDL	RL
COD	ND	9.5	10

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

Analyte	MS DF	MS Result	MSD Result	SP Val	SP Ref Val	MS %REC	MSD %REC	MS/MSD Limits	RPD Limit
COD	1	110	110	100	16.00	94	92	80-120	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/30/2022
Date Analyzed: 03/30/2022
Instrument: AA1
Matrix: Water
Project: Quarterly Sampling (March 2022)

WorkOrder: 2203H62
BatchID: 242323
Extraction Method: E245.2
Analytical Method: E245.2
Unit: µg/L
Sample ID: MB/LCS/LCSD-242323

QC Summary Report for Mercury

Analyte	MB Result	MDL	RL			
Mercury	ND	0.13	0.20	-	-	-

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Mercury	1.9	1.7	2	95	86	85-115	9.33	20



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2203H62
Date Prepared:	03/29/2022	BatchID:	242206
Date Analyzed:	03/29/2022	Extraction Method:	E200.8
Instrument:	ICP-MS4	Analytical Method:	E200.8
Matrix:	Water	Unit:	µg/L
Project:	Quarterly Sampling (March 2022)	Sample ID:	MB/LCS/LCSD-242206

QC Report for Metals (>1% Sediment Content)

Analyte	MB Result	MDL	RL	SP Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.54	2.5	-	-	-
Cadmium	ND	0.35	2.5	-	-	-
Chromium	ND	0.76	2.5	-	-	-
Copper	ND	1.0	2.5	-	-	-
Iron	ND	83	250	-	-	-
Lead	ND	0.74	2.5	-	-	-
Molybdenum	ND	0.49	2.5	-	-	-
Nickel	ND	1.9	2.5	-	-	-
Selenium	ND	1.1	2.5	-	-	-
Silver	ND	0.33	2.5	-	-	-
Zinc	ND	24	50	-	-	-

Surrogate Recovery

Terbium	2400	2500	97	70-130
---------	------	------	----	--------

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Arsenic	250	250	250	100	102	85-115	1.81
Cadmium	250	250	250	101	102	85-115	0.638
Chromium	250	260	250	100	103	85-115	3.03
Copper	240	240	250	95	96	85-115	1.52
Iron	24,000	24,000	25000	94	97	85-115	3.44
Lead	250	250	250	99	101	85-115	1.31
Molybdenum	230	240	250	93	96	85-115	3.27
Nickel	240	250	250	96	99	85-115	2.46
Selenium	250	250	250	99	100	85-115	1.02
Silver	240	250	250	96	98	85-115	1.73
Zinc	2500	2500	2500	99	99	85-115	0.543

Surrogate Recovery

Terbium	2500	2600	2500	102	104	70-130	1.76	20
---------	------	------	------	-----	-----	--------	------	----



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 04/06/2022
Date Analyzed: 04/06/2022
Instrument: WC_SKALAR
Matrix: Water
Project: Quarterly Sampling (March 2022)

WorkOrder: 2203H62
BatchID: 242903
Extraction Method: E420.4
Analytical Method: E420.4
Unit: µg/L
Sample ID: MB/LCS/LCSD-242903
2203H62-002CMS/MSD

QC Summary Report for E420.4

Analyte	MB Result	MDL	RL			
Phenolics	ND	1.4	2.0	-	-	-

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Phenolics	40	39	40	100	99	80-120	1.14	20

Analyte	MS DF	MS Result	MSD Result	SP Val	SP Ref Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Phenolics	1	41	42	40	ND	102	104	70-130	2.20	30



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Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/29/2022
Date Analyzed: 03/30/2022
Instrument: WetChem
Matrix: Water
Project: Quarterly Sampling (March 2022)

WorkOrder: 2203H62
BatchID: 242276
Extraction Method: SM2540 C-1997
Analytical Method: SM2540 C-1997
Unit: mg/L
Sample ID: MB/LCS/LCSD-242276

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	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Dissolved Solids	978	1020	1000	98	102	80-120	3.81	10



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/31/2022
Date Analyzed: 03/31/2022
Instrument: WetChem
Matrix: Water
Project: Quarterly Sampling (March 2022)

WorkOrder: 2203H62
BatchID: 242379
Extraction Method: SM2540 D-1997
Analytical Method: SM2540 D-1997
Unit: mg/L
Sample ID: MB/LCS/LCSD-242379

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	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Suspended Solids	87.0	84.0	100	87	84	80-120	3.51	10



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2203H62

ClientCode: PGEA

☐ WaterTrax

☐ CLIP

☐ EDF

☐ EQuIS

☐ Dry-Weight

☒ Email

☐ HardCopy

☐ ThirdParty

☐ J-flag

☐ Detection Summary

☐ Excel

Report to:

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

Email: abe4@pge.com
cc/3rd Party: A1HE@pge.com; J5Ld@pge.com;
PO:
Project: Quarterly Sampling (March 2022)

Bill to:

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

Re uested TATs: 1 day;
5 days;

Date Received: 03/29/2022

Date Logged: 03/29/2022

Lab ID	Client ID	Matri	Collection Date	Hold	Re uested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2203H62-001	E-001 Grab	Water	3/28/2022 09:30	<input type="checkbox"/>	A	B								A		
2203H62-002	E-001 Grab	Water	3/29/2022 10:50	<input type="checkbox"/>	A	B	C		D				C	A		
2203H62-003	E-001 Comp	Water	3/29/2022 10:30	<input type="checkbox"/>				A		B	E	F		A	C	D

Test Legend:

1	1664A SG W
5	CN SM4500CE W
9	PHENOLICS W

2	1664A W
6	COD W
10	PRDisposal Fee

3	AMMONIA-SM4500BG W
7	HG W
11	TDS W

4	BOD W
8	METALSMS TTLC Sed
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.



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WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Quarterly Sampling (March 2022)

Work Order: 2203H62

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 3/29/2022

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001 Grab	Water	E1664A (SGT- HEM; Non-polar Material)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/28/2022 9:30	1 day	3/30/2022	1%+	<input type="checkbox"/>	<input type="checkbox"/>
001B	E-001 Grab	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/28/2022 9:30	1 day	3/30/2022	1%+	<input type="checkbox"/>	<input type="checkbox"/>
002A	E-001 Grab	Water	E1664A (SGT- HEM; Non-polar Material)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/29/2022 10:50	1 day	3/30/2022	1%+	<input type="checkbox"/>	<input type="checkbox"/>
002B	E-001 Grab	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/29/2022 10:50	1 day	3/30/2022	1%+	<input type="checkbox"/>	<input type="checkbox"/>
002C	E-001 Grab	Water	E420.4 (Phenolics)	1	500mL aG w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/29/2022 10:50	1 day	3/30/2022	1%+	<input type="checkbox"/>	<input type="checkbox"/>
			SM4500-NH3 BG (Ammonia Nitrogen)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		1 day	3/30/2022	1%+	<input type="checkbox"/>	<input type="checkbox"/>
002D	E-001 Grab	Water	SM4500-CN CE (Cyanide, Total)	1	250mL aHDPE w/ NaOH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/29/2022 10:50	1 day	3/30/2022	1%+	<input type="checkbox"/>	<input checked="" type="checkbox"/>
003A	E-001 Comp	Water	SM5210B (BOD)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/29/2022 10:30	5 days	4/5/2022	1%+	<input type="checkbox"/>	<input type="checkbox"/>
003B	E-001 Comp	Water	SM5220D (COD)	2	aVOA w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/29/2022 10:30	1 day	3/30/2022	1%+	<input type="checkbox"/>	<input type="checkbox"/>
003C	E-001 Comp	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/29/2022 10:30	1 day	3/30/2022	1%+	<input type="checkbox"/>	<input type="checkbox"/>
003D	E-001 Comp	Water	SM2540D (TSS)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/29/2022 10:30	1 day	3/30/2022	1%+	<input type="checkbox"/>	<input type="checkbox"/>
003E	E-001 Comp	Water	E245.2 (Mercury)	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/29/2022 10:30	1 day	3/30/2022	1%+	<input type="checkbox"/>	<input type="checkbox"/>

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

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

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

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Quarterly Sampling (March 2022)

Work Order: 2203H62

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 3/29/2022

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
003F	E-001 Comp	Water	E200.8 (Metals) <Arsenic, Cadmium, Chromium, Copper, Iron, Lead, Molybdenum, Nickel, Selenium, Silver, Zinc>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/29/2022 10:30	1 day	3/30/2022	1%+	<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).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not include 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.

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Email: main@mccampbell.com

Telephone: (877) 252-9262

Fax: (925) 252-9269

RUSH

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, A1HE@pge.com, JSLd@pge.com, tlWY@pge.com

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

Project Name: Quarterly Sampling (March 2022)

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 preserve ABCE	Metals by 200.1 Selenium	Oil/Grease and with and without silica gel clean up	Total Ph	Ammonia	Mercury	Metals (Copper, Lead, Molybdenum)	BOD (5/20)	COD (5/20)	TDS (5/20)	TSS (5/20)
			Date	Time			Waste Water	Sewer Water	None	ICE	H ₂ SO ₄	NaOH	HCL	HNO ₃	Other											
E-001		G	3-28-22	09:30	2	1L Amb	X			X			X													
E-001		G	3-29-22	10:50	2	1L Amb	X			X			X													
E-001		G	3-29-22	10:50	1	500ml Amb	X			X	X							X	X							
E-001		G	3-29-22	10:50	1	250-ml Poly	X			X		X			X											
E-001		C	3-29-22	10:30	1	1L Poly	X			X	X												X			
E-001		C	3-29-22	10:30	2	43-ml VOA	X			X	X												X			
E-001		C	3-29-22	10:30	1	500-ml poly	X			X	X													X		
E-001		C	3-29-22	10:30	1	1L poly	X			X	X														X	
E-001		C	3-29-22	10:30	1	250-ml Poly	X			X				X						X						
E-001		C	3-29-22	10:30	1	250-ml poly	X			X				X												

Relinquished By:	Date: 3/29/22	Time: 12:45	Received By:
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/W: 1.4°C wet

GOOD CONDITION

HEAD SPACE ABSENT

DECHLORINATED IN LAB

APPROPRIATE CONTAINERS

PRESERVED IN LAB

VOAS O&G METALS OTHER

PRESERVATION pH<2

COMMENTS:

1 of 1



Sample Receipt Checklist

Client Name: **PG&E Gateway Generating Station**
Project: **Quarterly Sampling (March 2022)**

Date and Time Received: **3/29/2022 12:45**

Date Logged: **3/29/2022**

Received by: **Tina Perez**

Logged by: **Valerie Alfaro**

WorkOrder No: **2203H62** Matrix: Water

Carrier: Client Drop-In

Chain of Custody (COC) Information

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

NA ☒

Sample Receipt Information

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

NA ☒

NA ☒

Sample Preservation and Hold Time (HT) Information

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

NA ☐

(Ice Type: WET ICE)

Sample/Temp Blank temperature Temp: 1.4°C

NA ☐

ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? Yes ☐ No ☐

NA ☒

Sample labels checked for correct preservation? Yes ☒ No ☐

pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)? Yes ☒ No ☐

NA ☐

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? Yes ☐ No ☐

NA ☒

Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? Yes ☐ No ☐

NA ☒

Comments:

ANALYTICAL REPORT

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-112013-1
Client Project/Site: 2203H62

For:
McCampbell Analytical, Inc.
1534 Willow Pass Road
Pittsburg, California 94565

Attn: Sub Data



Authorized for release by:
4/4/2022 4:07:21 PM

Pauline Matlock, Project Manager
(253)922-2310
Pauline.Matlock@et.eurofinsus.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: McCampbell Analytical, Inc.
Project/Site: 2203H62

Job ID: 580-112013-1

Job ID: 580-112013-1

Laboratory: Eurofins Seattle

Narrative

Job Narrative
580-112013-1

Comments

No additional comments.

Receipt

The sample was received on 3/31/2022 9:45 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.3° C.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: McCampbell Analytical, Inc.
Project/Site: 2203H62

Job ID: 580-112013-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: McCampbell Analytical, Inc.
Project/Site: 2203H62

Job ID: 580-112013-1

Client Sample ID: E-001 Grab

Lab Sample ID: 580-112013-1

Date Collected: 03/29/22 10:50

Matrix: Water

Date Received: 03/31/22 09:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.012	J	0.020	0.0080	mg/L		04/01/22 15:06	04/01/22 15:09	1

QC Sample Results

Client: McCampbell Analytical, Inc.
Project/Site: 2203H62

Job ID: 580-112013-1

Method: SM 4500 CN E - Cyanide, Total

Lab Sample ID: MB 580-386058/1-A

Matrix: Water

Analysis Batch: 386059

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 386058

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.020	0.0080	mg/L		04/01/22 15:06	04/01/22 15:09	1

Lab Sample ID: LCS 580-386058/2-A

Matrix: Water

Analysis Batch: 386059

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 386058

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.200	0.201		mg/L		100	90 - 110

Lab Sample ID: LCSD 580-386058/3-A

Matrix: Water

Analysis Batch: 386059

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 386058

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.200	0.207		mg/L		104	90 - 110	3	10

Lab Sample ID: 580-112018-A-1-B MS

Matrix: Water

Analysis Batch: 386059

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 386058

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	ND	F1	0.200	ND	F1	mg/L		0	90 - 110

Lab Sample ID: 580-112018-A-1-C MSD

Matrix: Water

Analysis Batch: 386059

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 386058

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	ND	F1	0.200	ND	F1	mg/L		0	90 - 110	NC	10

Lab Chronicle

Client: McCampbell Analytical, Inc.
Project/Site: 2203H62

Job ID: 580-112013-1

Client Sample ID: E-001 Grab

Lab Sample ID: 580-112013-1

Date Collected: 03/29/22 10:50

Matrix: Water

Date Received: 03/31/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Distill/CN			386058	04/01/22 15:06	R1K	FGS SEA
Total/NA	Analysis	SM 4500 CN E		1	386059	04/01/22 15:09	R1K	FGS SEA

Laboratory References:

FGS SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: McCampbell Analytical, Inc.
Project/Site: 2203H62

Job ID: 580-112013-1

Laboratory: Eurofins Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2954	07-07-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 CN E	Distill/CN	Water	Cyanide, Total
Washington	State	C788	07-13-22

Sample Summary

Client: McCampbell Analytical, Inc.
Project/Site: 2203H62

Job ID: 580-112013-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-112013-1	E-001 Grab	Water	03/29/22 10:50	03/31/22 09:45

1

2

3

4

5

6

7

8

9

10

11

McC Campbell Analyt



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



580-112013 Chain of Custody

SUB CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2203H62

ClientCode: PGEA

EDF: NO

☐ J-flag

Subcontractor:

Eurofins TestAmerica
5755 8th Street East
Tacoma, WA 98424

TEL: (949) 333-9055

FAX:

ProjectNo: Quarterly Sampling (March 2022)

Acct #:

1 day RUSH!

Date Received: 03/29/2022

RUSH

Lab ID	Client ID	Matrix	Collection Date	TAT	Requested Tests (see Legend below)							
					1	2	3	4	5	6	7	8
2203H62-002D	E-001 Grab	Water	3/29/2022 10:50	STD	1							

* Cyanide by EPA 4500 CN E

Test Legend:

1	CN_SM4500CE_W	2		3		4	
5		6		7		8	

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

Therm. ID: A3 Cor: 2.3 ° Unc: 2.5 °
Cooler Desc: STURU 120V FedEx: _____
Packing: _____ UPS: NDA
Cust. Seal: Yes ☒ No ☒ Lab Cour: _____
Blue Ice: Wet Dry, None Other: _____

Please email results to Valerie Alfaro at subdata@mccampbell.com upon completion.

Relinquished by: <u>Val Alfaro</u>	Date/Time: <u>3/30/22</u>	Received by: <u>MA</u>	Date/Time: <u>3/31/22 0945</u>
Relinquished by: _____	Received by: _____	Received by: _____	

Login Sample Receipt Checklist

Client: McCampbell Analytical, Inc.

Job Number: 580-112013-1

Login Number: 112013

List Source: Eurofins Seattle

List Number: 1

Creator: Greene, Ashton R

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2203H67

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Sanjiv Gill

Project P.O.:

Project: pH Sampling (March 2022)

Project Received: 03/29/2022

Analytical Report reviewed & approved for release on 03/30/2022 by:

Susan Thompson
Project Manager

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





Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2203H67

Project: pH Sampling (March 2022)

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
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
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



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Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2203H67

Project: pH Sampling (March 2022)

Analytical Qualifiers

H Sample was analyzed out of hold time



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/29/2022 12:45
Date Prepared: 03/29/2022
Project: pH Sampling (March 2022)

WorkOrder: 2203H67
Extraction Method: SM4500H+B-2000
Analytical Method: SM4500H+B
Unit: pH units

pH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2203H67-001A	Water	03/28/2022 09:35	WetChem	242350

Analytes	Result	Qualifiers	Accuracy	DE	Date Analyzed
pH	8.92	H	±0.05	1	03/29/2022 21:36

Analyst(s): JRA



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/29/2022 - 03/30/2022
Date Analyzed: 03/29/2022 - 03/30/2022
Instrument: WetChem
Matrix: Water
Project: pH Sampling (March 2022)

WorkOrder: 2203H67
BatchID: 242350
Extraction Method: SM4500H+B-2000
Analytical Method: SM4500H+B
Unit: pH units
Sample ID: CCV-242350

QC Summary Report for pH

Analyte	CCV Result	CCV Limits
pH	7.02	6.9-7.1

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(925) 252-9262

☐ WaterTrax

☐ CLIP

☐ EDF

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2203H67

ClientCode: PGEA

☐ EQuIS

☐ Dry-Weight

☒ Email

☐ HardCopy

☐ ThirdParty

☐ U-flag

☐ Detection Summary

☐ Excel

Report to:

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

Email: sanjivgill@comcast.net
cc/3rd Party:
PO:
Project: pH Sampling (March 2022)

Bill to:

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

Re uested TAT: 1 day;

Date Received: 03/29/2022

Date Logged: 03/29/2022

Lab ID	Client ID	Matri	Collection Date	Hold	Re uested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2203H67-001	E-001	Water	3/28/2022 09:35	<input type="checkbox"/>	A	A										

Test Legend:

1	PH W SAN IV
5	
9	

2	PRDisposal Fee
6	
10	

3	
7	
11	

4	
8	
12	

Prepared by: Valerie Alfaro

Comments:

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

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: pH Sampling (March 2022)

Work Order: 2203H67

Client Contact: Sanjiv Gill

QC Level: LEVEL 2

Contact's Email: sanjivgill@comcast.net

Comments:
Date Logged: 3/29/2022

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001	Water	SM4500H+B (Field pH)	0	<NOT RECEIVED>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/28/2022 9:35	1 day	3/30/2022		<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).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not include 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

Page 45 of 100



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Client supplied pH data

Client Name: **PG&E Gateway Generating Station**
Project: **pH Sampling (March 2022)**

WorkOrder No: **2203H67**

SampID	ClientSampID	pH
2203H67-001A	E-001	8.92 [analyzed: 3/28/2022 9:35:00 AM]



Sample Receipt Checklist

Client Name: **PG&E Gateway Generating Station**
Project: **pH Sampling (March 2022)**

Date and Time Received: **3/29/2022 12:45**

Date Logged: **3/29/2022**

Received by: **Tina Perez**

Logged by: **Valerie Alfaro**

WorkOrder No: **2203H67** Matrix: Water

Carrier: Client Drop-In

Chain of Custody (COC) Information

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

NA ☒

Sample Receipt Information

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

NA ☒

NA ☒

Sample Preservation and Hold Time (HT) Information

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

NA ☒

Sample/Temp Blank temperature

Temp:

NA ☒

ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?

Yes ☐ No ☐

NA ☒

Sample labels checked for correct preservation?

Yes ☒ No ☐

pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?

Yes ☐ No ☐

NA ☒

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?

Yes ☐ No ☐

NA ☒

Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?

Yes ☐ No ☐

NA ☒

Comments: Sample E-001 was not received.

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



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2203H64

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Angel Espiritu

Project P.O.:

Project: Semi-Annual Sampling (March 2022)

Project Received: 03/29/2022

Analytical Report reviewed & approved for release on 03/31/2022 by:

Yen Cao
Project Manager

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Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2203H64

Project: Semi-Annual Sampling (March 2022)

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
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
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station
Project: Semi-Annual Sampling (March 2022)

WorkOrder: 2203H64

Analytical Qualifiers

S	Surrogate recovery outside accepted recovery limits.
a2	Sample diluted due to cluttered chromatogram.
c2	Surrogate recovery outside of the control limits due to matrix interference.
h7	Copper (EPA 3660B) cleanup.

Quality Control Qualifiers

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

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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/29/2022 12:45
Date Prepared: 03/29/2022
Project: Semi-Annual Sampling (March 2022)**WorkOrder:** 2203H64
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	2203H64-001D	Water	03/29/2022 10:50	GC22 03312211.D	242183

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.0010	1	03/31/2022 11:00
a-BHC	ND	0.0010	1	03/31/2022 11:00
b-BHC	ND	0.0010	1	03/31/2022 11:00
d-BHC	ND	0.0010	1	03/31/2022 11:00
g-BHC	ND	0.0010	1	03/31/2022 11:00
Chlordane (Technical)	ND	0.020	1	03/31/2022 11:00
p,p-DDD	ND	0.0010	1	03/31/2022 11:00
p,p-DDE	ND	0.0010	1	03/31/2022 11:00
p,p-DDT	ND	0.0010	1	03/31/2022 11:00
Dieldrin	ND	0.0010	1	03/31/2022 11:00
Endosulfan I	ND	0.0010	1	03/31/2022 11:00
Endosulfan II	ND	0.0010	1	03/31/2022 11:00
Endosulfan sulfate	ND	0.0020	1	03/31/2022 11:00
Endrin	ND	0.0010	1	03/31/2022 11:00
Endrin aldehyde	ND	0.0010	1	03/31/2022 11:00
Heptachlor	ND	0.0010	1	03/31/2022 11:00
Heptachlor epoxide	ND	0.0010	1	03/31/2022 11:00
Toxaphene	ND	0.020	1	03/31/2022 11:00
Aroclor1016	ND	0.020	1	03/31/2022 11:00
Aroclor1221	ND	0.020	1	03/31/2022 11:00
Aroclor1232	ND	0.020	1	03/31/2022 11:00
Aroclor1242	ND	0.020	1	03/31/2022 11:00
Aroclor1248	ND	0.020	1	03/31/2022 11:00
Aroclor1254	ND	0.020	1	03/31/2022 11:00
Aroclor1260	ND	0.020	1	03/31/2022 11:00
PCBs, total	ND	0.020	1	03/31/2022 11:00

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	115	60-130	03/31/2022 11:00
Analyst(s): CK		Analytical Comments: a2,h7	

Analytical Report

Client: PG&E Gateway Generating Station

Date Received: 03/29/2022 12:45

Date Prepared: 03/29/2022

Project: Semi-Annual Sampling (March 2022)

WorkOrder: 2203H64

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	2203H64-001B	Water	03/29/2022 10:50	GC10 03292210.D	242234

Analyst(s): KF			
Analytes	Result	RL	DF
Acrolein (Propenal)	ND	5.0	1
Acrylonitrile	ND	2.0	1
2-Chloroethyl Vinyl Ether	ND	1.0	1
Surrogates	REC (%)	Limits	
Dibromofluoromethane	106	70-130	
03/29/2022 20:52			



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/29/2022 12:45
Date Prepared: 03/31/2022
Project: Semi-Annual Sampling (March 2022)
WorkOrder: 2203H64
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	2203H64-001A	Water	03/29/2022 10:50	GC18 03312210.D	242436

Analyses Result RL DF Date Analyzed

Benzene	ND	0.20	1	03/31/2022 14:01
Bromodichloromethane	1.1	0.050	1	03/31/2022 14:01
Bromomethane	0.98	0.50	1	03/31/2022 14:01
Carbon tetrachloride	ND	0.050	1	03/31/2022 14:01
Chlorobenzene	ND	0.50	1	03/31/2022 14:01
Chloroethane	ND	0.50	1	03/31/2022 14:01
Chloroform	1.0	0.10	1	03/31/2022 14:01
Chloromethane	ND	0.50	1	03/31/2022 14:01
Dibromochloromethane	0.77	0.15	1	03/31/2022 14:01
1,2-Dichlorobenzene	ND	0.50	1	03/31/2022 14:01
1,3-Dichlorobenzene	ND	0.50	1	03/31/2022 14:01
1,4-Dichlorobenzene	ND	0.50	1	03/31/2022 14:01
1,1-Dichloroethane	ND	0.50	1	03/31/2022 14:01
1,2-Dichloroethane (1,2-DCA)	ND	0.020	1	03/31/2022 14:01
1,1-Dichloroethene	ND	0.010	1	03/31/2022 14:01
trans-1,2-Dichloroethene	ND	0.50	1	03/31/2022 14:01
1,2-Dichloropropane	ND	0.20	1	03/31/2022 14:01
cis-1,3-Dichloropropene	ND	0.50	1	03/31/2022 14:01
trans-1,3-Dichloropropene	ND	0.50	1	03/31/2022 14:01
Ethylbenzene	ND	0.50	1	03/31/2022 14:01
Methylene chloride	ND	2.0	1	03/31/2022 14:01
1,1,2,2-Tetrachloroethane	ND	0.020	1	03/31/2022 14:01
Tetrachloroethene	ND	0.20	1	03/31/2022 14:01
Toluene	ND	0.50	1	03/31/2022 14:01
1,1,1-Trichloroethane	ND	0.50	1	03/31/2022 14:01
1,1,2-Trichloroethane	ND	0.20	1	03/31/2022 14:01
Trichloroethene	ND	0.50	1	03/31/2022 14:01
Trichlorofluoromethane	ND	0.50	1	03/31/2022 14:01
Vinyl chloride	ND	0.0050	1	03/31/2022 14:01
Surrogates	REC (%)	Limits		
Dibromofluoromethane	99	70-130		03/31/2022 14:01
Toluene-d8	98	70-130		03/31/2022 14:01
4-BFB	81	70-130		03/31/2022 14:01
Analyst(s): TW				



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/29/2022 12:45
Date Prepared: 03/30/2022
Project: Semi-Annual Sampling (March 2022)

WorkOrder: 2203H64
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	2203H64-001C	Water	03/29/2022 10:50		GC53 03302211.D	242330
Analytes	Result	RL	DF	Date Analyzed		
Acenaphthene	ND	0.0047	1	03/30/2022 13:36		
Acenaphthylene	ND	0.0047	1	03/30/2022 13:36		
Anthracene	ND	0.0047	1	03/30/2022 13:36		
Benzidine	ND	4.7	1	03/30/2022 13:36		
Benzo (a) anthracene	ND	0.047	1	03/30/2022 13:36		
Benzo (a) pyrene	ND	0.0047	1	03/30/2022 13:36		
Benzo (b) fluoranthene	ND	0.019	1	03/30/2022 13:36		
Benzo (g,h,i) perylene	ND	0.019	1	03/30/2022 13:36		
Benzo (k) fluoranthene	ND	0.019	1	03/30/2022 13:36		
Bis (2-chloroethoxy) Methane	ND	0.95	1	03/30/2022 13:36		
Bis (2-chloroethyl) Ether	ND	0.0047	1	03/30/2022 13:36		
Bis (2-chloroisopropyl) Ether	ND	0.047	1	03/30/2022 13:36		
Bis (2-ethylhexyl) Phthalate	1.8	0.19	1	03/30/2022 13:36		
4-Bromophenyl Phenyl Ether	ND	0.95	1	03/30/2022 13:36		
Butylbenzyl Phthalate	ND	0.047	1	03/30/2022 13:36		
4-Chloro-3-methylphenol	ND	0.95	1	03/30/2022 13:36		
2-Chloronaphthalene	ND	0.95	1	03/30/2022 13:36		
2-Chlorophenol	ND	0.047	1	03/30/2022 13:36		
4-Chlorophenyl Phenyl Ether	ND	0.95	1	03/30/2022 13:36		
Chrysene	ND	0.0047	1	03/30/2022 13:36		
Dibenzo (a,h) anthracene	ND	0.019	1	03/30/2022 13:36		
Di-n-butyl Phthalate	ND	0.047	1	03/30/2022 13:36		
1,2-Dichlorobenzene	ND	0.95	1	03/30/2022 13:36		
1,3-Dichlorobenzene	ND	0.95	1	03/30/2022 13:36		
1,4-Dichlorobenzene	ND	0.95	1	03/30/2022 13:36		
3,3-Dichlorobenzidine	ND	0.0047	1	03/30/2022 13:36		
2,4-Dichlorophenol	ND	0.0095	1	03/30/2022 13:36		
Diethyl Phthalate	ND	0.047	1	03/30/2022 13:36		
2,4-Dimethylphenol	ND	0.95	1	03/30/2022 13:36		
Dimethyl Phthalate	ND	0.0095	1	03/30/2022 13:36		
4,6-Dinitro-2-methylphenol	ND	4.7	1	03/30/2022 13:36		
2,4-Dinitrophenol	ND	0.95	1	03/30/2022 13:36		
2,4-Dinitrotoluene	ND	0.047	1	03/30/2022 13:36		
2,6-Dinitrotoluene	ND	0.047	1	03/30/2022 13:36		
Di-n-octyl Phthalate	ND	0.95	1	03/30/2022 13:36		
1,2-Diphenylhydrazine	ND	0.95	1	03/30/2022 13:36		
Fluoranthene	ND	0.0095	1	03/30/2022 13:36		

(Cont.)



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/29/2022 12:45
Date Prepared: 03/30/2022
Project: Semi-Annual Sampling (March 2022)

WorkOrder: 2203H64
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	2203H64-001C	Water	03/29/2022 10:50	GC53 03302211.D	242330

Analytes	Result	RL	DF	Date Analyzed
Fluorene	ND	0.0095	1	03/30/2022 13:36
Hexachlorobenzene	ND	0.0047	1	03/30/2022 13:36
Hexachlorobutadiene	ND	0.0047	1	03/30/2022 13:36
Hexachlorocyclopentadiene	ND	4.7	1	03/30/2022 13:36
Hexachloroethane	ND	0.0095	1	03/30/2022 13:36
Indeno (1,2,3-cd) pyrene	ND	0.019	1	03/30/2022 13:36
Isophorone	ND	1.9	1	03/30/2022 13:36
Naphthalene	ND	0.047	1	03/30/2022 13:36
Nitrobenzene	ND	0.95	1	03/30/2022 13:36
2-Nitrophenol	ND	4.7	1	03/30/2022 13:36
4-Nitrophenol	ND	4.7	1	03/30/2022 13:36
N-Nitrosodimethylamine	ND	4.7	1	03/30/2022 13:36
N-Nitrosodiphenylamine	ND	0.95	1	03/30/2022 13:36
N-Nitrosodi-n-propylamine	ND	0.95	1	03/30/2022 13:36
Pentachlorophenol	ND	0.24	1	03/30/2022 13:36
Phenanthrene	0.019	0.0047	1	03/30/2022 13:36
Phenol	ND	0.19	1	03/30/2022 13:36
Pyrene	ND	0.0047	1	03/30/2022 13:36
1,2,4-Trichlorobenzene	ND	0.95	1	03/30/2022 13:36
2,4,6-Trichlorophenol	ND	0.0095	1	03/30/2022 13:36

Surrogates	REC (%)	Qualifiers	Limits	
2-Fluorophenol	33		30-130	03/30/2022 13:36
Phenol-d5	24		20-130	03/30/2022 13:36
Nitrobenzene-d5	55	S	60-130	03/30/2022 13:36
2-Fluorobiphenyl	61		50-130	03/30/2022 13:36
2,4,6-Tribromophenol	62		60-130	03/30/2022 13:36
4-Terphenyl-d14	65		40-130	03/30/2022 13:36

Analyst(s): KVE

Analytical Comments: c2



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/29/2022
Date Analyzed: 03/30/2022
Instrument: GC22
Matrix: Water
Project: Semi-Annual Sampling (March 2022)

WorkOrder: 2203H64
BatchID: 242183
Extraction Method: E608.3/SW3620B
Analytical Method: E608.3
Unit: µg/L
Sample ID: MB/LCS/LCSD-242183

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

Analyte	MB Result	MDL	RL	SP Val	MB SS %REC	MB SS Limits
Aldrin	ND	0.00028	0.0010	-	-	-
a-BHC	ND	0.00031	0.0010	-	-	-
b-BHC	ND	0.00069	0.0010	-	-	-
d-BHC	ND	0.00014	0.0010	-	-	-
g-BHC	ND	0.00045	0.0010	-	-	-
Chlordane (Technical)	ND	0.0023	0.020	-	-	-
a-Chlordane	ND	0.00085	0.0010	-	-	-
g-Chlordane	ND	0.00015	0.0010	-	-	-
p,p-DDD	ND	0.00011	0.0010	-	-	-
p,p-DDE	ND	0.00018	0.0010	-	-	-
p,p-DDT	ND	0.00017	0.0010	-	-	-
Dieldrin	ND	0.00014	0.0010	-	-	-
Endosulfan I	ND	0.00011	0.0010	-	-	-
Endosulfan II	ND	0.00046	0.0010	-	-	-
Endosulfan sulfate	ND	0.00033	0.0020	-	-	-
Endrin	ND	0.00018	0.0010	-	-	-
Endrin aldehyde	ND	0.00053	0.0010	-	-	-
Endrin ketone	ND	0.00026	0.0010	-	-	-
Heptachlor	ND	0.00041	0.0010	-	-	-
Heptachlor epoxide	ND	0.00025	0.0010	-	-	-
Methoxychlor	ND	0.00012	0.0010	-	-	-
Toxaphene	ND	0.0020	0.020	-	-	-
Aroclor1016	ND	0.0019	0.020	-	-	-
Aroclor1221	ND	0.0024	0.020	-	-	-
Aroclor1232	ND	0.0038	0.020	-	-	-
Aroclor1242	ND	0.0028	0.020	-	-	-
Aroclor1248	ND	0.0018	0.020	-	-	-
Aroclor1254	ND	0.0015	0.020	-	-	-
Aroclor1260	ND	0.0028	0.020	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.043			0.05	87	60-130

(Cont.)



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/29/2022
Date Analyzed: 03/30/2022
Instrument: GC22
Matrix: Water
Project: Semi-Annual Sampling (March 2022)

WorkOrder: 2203H64
BatchID: 242183
Extraction Method: E608.3/SW3620B
Analytical Method: E608.3
Unit: µg/L
Sample ID: MB/LCS/LCSD-242183

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

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aldrin	0.049	0.054	0.050	99	107	60-130	8.30	20
a-BHC	0.051	0.055	0.050	103	110	70-130	7.22	20
b-BHC	0.046	0.050	0.050	93	100	70-130	7.79	20
d-BHC	0.053	0.058	0.050	106	117	70-130	9.73	20
g-BHC	0.047	0.051	0.050	93	101	60-130	8.00	20
a-Chlordane	0.048	0.053	0.050	97	107	60-130	9.70	20
g-Chlordane	0.050	0.055	0.050	100	110	70-130	9.23	20
p,p-DDD	0.054	0.059	0.050	108	119	70-130	9.80	20
p,p-DDE	0.050	0.055	0.050	100	109	70-130	9.26	20
p,p-DDT	0.052	0.060	0.050	104	119	70-130	13.2	20
Dieldrin	0.051	0.056	0.050	101	111	70-130	9.40	20
Endosulfan I	0.048	0.053	0.050	96	106	70-130	9.85	20
Endosulfan II	0.049	0.055	0.050	98	110	70-130	10.8	20
Endosulfan sulfate	0.051	0.057	0.050	102	114	70-130	11.5	20
Endrin	0.058	0.064	0.050	116	129	70-130	10.4	20
Endrin aldehyde	0.044	0.049	0.050	89	99	60-130	10.7	20
Endrin ketone	0.047	0.053	0.050	95	106	60-130	11.1	20
Heptachlor	0.053	0.058	0.050	105	115	70-130	9.06	20
Heptachlor epoxide	0.048	0.052	0.050	95	104	70-130	8.61	20
Methoxychlor	0.053	0.060	0.050	106	120	70-130	12.0	20
Aroclor1016	0.15	0.15	0.15	99	100	70-130	1.13	20
Aroclor1260	0.16	0.15	0.15	104	102	70-130	1.75	20
Surrogate Recovery								
Decachlorobiphenyl	0.037	0.042	0.050	73	85	60-130	14.6	20



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2203H64
Date Prepared:	03/29/2022	BatchID:	242234
Date Analyzed:	03/29/2022	Extraction Method:	E624.1
Instrument:	GC10	Analytical Method:	E624.1
Matrix:	Water	Unit:	µg/L
Project:	Semi-Annual Sampling (March 2022)	Sample ID:	MB/LCS/LCSD-242234

QC Summary Report for E624.1

Analyte	MB Result	MDL	RL	SP Val	MB SS %REC	MB SS Limits
Acrolein (Propenal)	ND	3.9	5.0	-	-	-
Acrylonitrile	ND	0.23	2.0	-	-	-
2-Chloroethyl Vinyl Ether	ND	0.44	1.0	-	-	-
Surrogate Recovery						
Dibromofluoromethane	26			25	103	70-130

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Acrolein (Propenal)	22	23	20	110	113	71-140	20
Acrylonitrile	19	19	20	94	97	67-145	20
2-Chloroethyl Vinyl Ether	20	21	20	98	103	70-124	20
Surrogate Recovery							
Dibromofluoromethane	26	26	25	105	103	70-130	1.32 20



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

Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/31/2022
Date Analyzed: 03/31/2022
Instrument: GC18
Matrix: Water
Project: Semi-Annual Sampling (March 2022)

WorkOrder: 2203H64
BatchID: 242436
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-242436

QC Summary Report for E624.1

Analyte	MB Result	MDL	RL	SP Val	MB SS %REC	MB SS Limits
tert-Amyl methyl ether (TAME)	ND	0.13	0.50	-	-	-
Benzene	ND	0.12	0.20	-	-	-
Bromodichloromethane	ND	0.025	0.050	-	-	-
Bromoform	ND	0.31	0.50	-	-	-
Bromomethane	ND	0.18	0.50	-	-	-
t-Butyl alcohol (TBA)	ND	2.5	5.0	-	-	-
Carbon Disulfide	ND	0.18	0.50	-	-	-
Carbon tetrachloride	ND	0.028	0.050	-	-	-
Chlorobenzene	ND	0.11	0.50	-	-	-
Chloroethane	ND	0.20	0.50	-	-	-
Chloroform	ND	0.091	0.10	-	-	-
Chloromethane	ND	0.28	0.50	-	-	-
Dibromochloromethane	ND	0.026	0.15	-	-	-
1,2-Dibromoethane (EDB)	ND	0.021	0.040	-	-	-
1,2-Dichlorobenzene	ND	0.16	0.50	-	-	-
1,3-Dichlorobenzene	ND	0.12	0.50	-	-	-
1,4-Dichlorobenzene	ND	0.093	0.50	-	-	-
Dichlorodifluoromethane	ND	0.29	0.50	-	-	-
1,1-Dichloroethane	ND	0.15	0.50	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.011	0.020	-	-	-
1,1-Dichloroethene	ND	0.0094	0.010	-	-	-
trans-1,2-Dichloroethene	ND	0.11	0.50	-	-	-
1,2-Dichloropropane	ND	0.019	0.20	-	-	-
cis-1,3-Dichloropropene	ND	0.21	0.50	-	-	-
trans-1,3-Dichloropropene	ND	0.28	0.50	-	-	-
Diisopropyl ether (DIPE)	ND	0.12	0.50	-	-	-
Ethylbenzene	ND	0.14	0.50	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.16	0.50	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.16	0.50	-	-	-
Methylene chloride	ND	0.74	2.0	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.011	0.020	-	-	-
Tetrachloroethene	ND	0.16	0.20	-	-	-
Toluene	ND	0.17	0.50	-	-	-
1,1,1-Trichloroethane	ND	0.11	0.50	-	-	-
1,1,2-Trichloroethane	ND	0.11	0.20	-	-	-
Trichloroethene	ND	0.25	0.50	-	-	-
Trichlorofluoromethane	ND	0.14	0.50	-	-	-
Vinyl chloride	ND	0.0043	0.0050	-	-	-

(Cont.)

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

03/31/2022

Date Analyzed:

03/31/2022

Instrument:

GC18

Matrix:

Water

Project:

Semi-Annual Sampling (March 2022)

WorkOrder:

2203H64

BatchID:

242436

Extraction Method:

E624.1

Analytical Method:

E624.1

Unit:

µg/L

Sample ID:

MB/LCS/LCSD-242436

QC Summary Report for E624.1						
Analyte	MB Result	MDL	RL	SP Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	23			25	94	70-130
Toluene-d8	25			25	100	70-130
4-BFB	2.0			2.5	79	70-130



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/31/2022
Date Analyzed: 03/31/2022
Instrument: GC18
Matrix: Water
Project: Semi-Annual Sampling (March 2022)

WorkOrder: 2203H64
BatchID: 242436
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-242436

QC Summary Report for E624.1

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
tert-Amyl methyl ether (TAME)	3.4	3.3	4	84	83	60-130	1.64
Benzene	3.4	3.3	4	85	83	60-130	2.75
Bromodichloromethane	3.4	3.4	4	86	85	60-130	0.585
Bromoform	3.6	3.6	4	91	89	50-130	2.07
Bromomethane	3.8	3.4	4	94	85	50-130	9.57
t-Butyl alcohol (TBA)	16	16	16	102	99	50-130	2.48
Carbon Disulfide	3.5	3.4	4	88	85	60-130	4.01
Carbon tetrachloride	3.7	3.6	4	93	89	60-130	3.54
Chlorobenzene	3.6	3.5	4	90	87	60-130	3.54
Chloroethane	3.4	3.4	4	86	85	60-140	1.54
Chloroform	3.3	3.4	4	84	84	60-130	0.307
Chloromethane	4.5	4.2	4	111	105	50-130	5.84
Dibromochloromethane	3.6	3.6	4	90	89	50-130	1.04
1,2-Dibromoethane (EDB)	3.5	3.5	4	88	87	60-130	0.640
1,2-Dichlorobenzene	3.6	3.5	4	90	87	60-130	3.50
1,3-Dichlorobenzene	3.7	3.6	4	93	89	60-130	4.31
1,4-Dichlorobenzene	3.6	3.4	4	89	86	60-130	2.99
Dichlorodifluoromethane	4.2	3.9	4	105	99	40-140	6.22
1,1-Dichloroethane	3.4	3.3	4	86	83	50-130	2.92
1,2-Dichloroethane (1,2-DCA)	3.2	3.2	4	81	81	60-130	0.400
1,1-Dichloroethene	3.5	3.3	4	87	84	60-130	3.85
trans-1,2-Dichloroethene	3.4	3.4	4	85	84	60-130	1.81
1,2-Dichloropropane	3.5	3.5	4	88	86	60-130	1.95
cis-1,3-Dichloropropene	3.6	3.5	4	91	87	60-130	3.47
trans-1,3-Dichloropropene	3.7	3.7	4	93	91	60-130	2.28
Diisopropyl ether (DIPE)	3.5	3.3	4	86	83	60-130	3.96
Ethylbenzene	3.4	3.3	4	85	83	60-130	2.64
Ethyl tert-butyl ether (ETBE)	3.4	3.4	4	85	85	60-130	0.783
Methyl-t-butyl ether (MTBE)	3.5	3.4	4	88	86	60-130	3.05
Methylene chloride	2.5	2.4	4	62	61	50-130	2.37
1,1,2,2-Tetrachloroethane	3.5	3.4	4	88	86	60-130	3.33
Tetrachloroethene	3.5	3.4	4	87	84	60-130	3.70
Toluene	3.5	3.3	4	87	83	60-130	3.80
1,1,1-Trichloroethane	3.5	3.4	4	88	84	60-130	4.10
1,1,2-Trichloroethane	3.6	3.5	4	89	88	60-130	1.60
Trichloroethene	3.5	3.5	4	89	87	60-130	1.78
Trichlorofluoromethane	3.5	3.3	4	88	84	60-130	5.25
Vinyl chloride	4.2	4.1	4	106	103	60-130	2.83

(Cont.)



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/31/2022
Date Analyzed: 03/31/2022
Instrument: GC18
Matrix: Water
Project: Semi-Annual Sampling (March 2022)

WorkOrder: 2203H64
BatchID: 242436
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-242436

QC Summary Report for E624.1

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	24	24	25	95	98	70-130	2.90	20
Toluene-d8	25	25	25	100	100	70-130	0.248	20
4-BFB	2.0	2.0	2.5	81	80	70-130	0.775	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/30/2022
Date Analyzed: 03/30/2022
Instrument: GC21
Matrix: Water
Project: Semi-Annual Sampling (March 2022)

WorkOrder: 2203H64
BatchID: 242330
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-242330

QC Summary Report for E625.1

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

(Cont.)



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/30/2022
Date Analyzed: 03/30/2022
Instrument: GC21
Matrix: Water
Project: Semi-Annual Sampling (March 2022)

WorkOrder: 2203H64
BatchID: 242330
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-242330

QC Summary Report for E625.1

Analyte	MB Result	MDL	RL	SP Val	MB SS %REC	MB SS Limits
2,6-Dinitrotoluene	ND	0.019	0.050	-	-	-
Di-n-octyl Phthalate	ND	0.77	1.0	-	-	-
1,2-Diphenylhydrazine	ND	0.20	1.0	-	-	-
Fluoranthene	ND	0.0027	0.010	-	-	-
Fluorene	ND	0.0029	0.010	-	-	-
Hexachlorobenzene	ND	0.0016	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0020	0.0050	-	-	-
Hexachlorocyclopentadiene	ND	2.3	5.0	-	-	-
Hexachloroethane	ND	0.0029	0.010	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0072	0.020	-	-	-
1-Methylnaphthalene	ND	0.0024	0.0050	-	-	-
Isophorone	ND	0.92	2.0	-	-	-
2-Methylnaphthalene	ND	0.0015	0.0050	-	-	-
2-Methylphenol (o-Cresol)	ND	0.33	1.0	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.25	1.0	-	-	-
Naphthalene	ND	0.012	0.050	-	-	-
2-Nitroaniline	ND	1.3	5.0	-	-	-
3-Nitroaniline	ND	1.8	5.0	-	-	-
4-Nitroaniline	ND	1.9	5.0	-	-	-
Nitrobenzene	ND	0.29	1.0	-	-	-
2-Nitrophenol	ND	1.7	5.0	-	-	-
4-Nitrophenol	ND	1.6	5.0	-	-	-
N-Nitrosodimethylamine	ND	1.9	5.0	-	-	-
N-Nitrosodiphenylamine	ND	0.23	1.0	-	-	-
N-Nitrosodi-n-propylamine	ND	0.35	1.0	-	-	-
Pentachlorophenol	ND	0.089	0.25	-	-	-
Phenanthrene	ND	0.0026	0.0050	-	-	-
Phenol	ND	0.057	0.20	-	-	-
Pyrene	ND	0.0019	0.0050	-	-	-
Pyridine	ND	0.23	1.0	-	-	-
1,2,4-Trichlorobenzene	ND	0.19	1.0	-	-	-
2,4,5-Trichlorophenol	ND	0.0025	0.010	-	-	-
2,4,6-Trichlorophenol	ND	0.0038	0.010	-	-	-

(Cont.)

Quality Control Report

Client: PG&E Gateway Generating Station

Date Prepared: 03/30/2022

Date Analyzed: 03/30/2022

Instrument: GC21

Matrix: Water

Project: Semi-Annual Sampling (March 2022)

WorkOrder: 2203H64

BatchID: 242330

Extraction Method: E625.1

Analytical Method: E625.1

Unit: µg/L

Sample ID: MB/LCS/LCSD-242330

QC Summary Report for E625.1

Analyte	MB	MDL	RL	SP	MB SS	%REC	MB SS	Limits
2-Fluorophenol	4.6			5	92		30-130	
Phenol-d5	5.1			5	102		20-130	
Nitrobenzene-d5	5.1			5	102		60-130	
2-Fluorobiphenyl	4.6			5	91		50-130	
2,4,6-Tribromophenol	4.5			5	91		60-130	
4-Terphenyl-d14	3.1			5	63		40-130	
Surrogate Recovery								



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/30/2022
Date Analyzed: 03/30/2022
Instrument: GC21
Matrix: Water
Project: Semi-Annual Sampling (March 2022)

WorkOrder: 2203H64
BatchID: 242330
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-242330

QC Summary Report for E625.1

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acenaphthene	0.22	0.24	0.25	89	96	50-130	7.63	25
Acenaphthylene	0.21	0.22	0.25	84	90	60-130	7.03	25
Anthracene	0.23	0.25	0.25	93	99	60-130	6.46	25
Benzidine	17	19	25	69	78	20-130	11.7	25
Benzo (a) anthracene	0.24	0.26	0.25	96	104	60-130	8.09	25
Benzo (a) pyrene	0.22	0.23	0.25	89	93	60-130	4.25	25
Benzo (b) fluoranthene	0.20	0.23	0.25	82	94	60-130	13.4	25
Benzo (g,h,i) perylene	0.22	0.23	0.25	87	92	50-130	5.81	25
Benzo (k) fluoranthene	0.31	0.30	0.25	122	120	60-130	1.92	25
Benzyl Alcohol	22	25	25	90	101	60-130	11.9	25
Bis (2-chloroethoxy) Methane	4.3	4.6	5	86	92	65-130	7.34	25
Bis (2-chloroethyl) Ether	0.20	0.23	0.25	81	90	60-130	10.8	25
Bis (2-chloroisopropyl) Ether	0.21	0.25	0.25	85	102	60-130	17.8	25
Bis (2-ethylhexyl) Adipate	4.4	4.7	5	88	94	60-130	6.64	25
Bis (2-ethylhexyl) Phthalate	0.21	0.23	0.25	85	90	60-130	6.51	25
4-Bromophenyl Phenyl Ether	4.3	4.5	5	85	89	65-130	4.89	25
Butylbenzyl Phthalate	0.22	0.23	0.25	87	92	60-140	6.41	25
4-Chloroaniline	0.21	0.24	0.25	85	95	60-130	10.7	25
4-Chloro-3-methylphenol	4.8	5.3	5	95	105	65-130	10.1	25
2-Chloronaphthalene	4.5	4.7	5	91	94	65-130	3.41	25
2-Chlorophenol	0.21	0.23	0.25	83	90	60-130	8.60	25
4-Chlorophenyl Phenyl Ether	4.4	4.8	5	89	95	65-130	7.19	25
Chrysene	0.24	0.26	0.25	95	104	70-130	9.32	25
Dibenzo (a,h) anthracene	0.22	0.24	0.25	88	96	50-130	8.27	25
Dibenzofuran	0.23	0.25	0.25	90	99	65-130	8.91	25
Di-n-butyl Phthalate	0.22	0.24	0.25	88	94	60-130	7.12	25
1,2-Dichlorobenzene	4.1	4.6	5	82	92	60-130	11.7	25
1,3-Dichlorobenzene	4.1	4.4	5	82	88	60-130	7.44	25
1,4-Dichlorobenzene	4.0	4.4	5	80	88	60-130	9.08	25
3,3-Dichlorobenzidine	0.23	0.25	0.25	93	101	60-130	8.08	25
2,4-Dichlorophenol	0.22	0.24	0.25	89	98	60-130	8.88	25
2,6-Dichlorophenol	0.21	0.23	0.25	85	92	65-130	8.33	25
Diethyl Phthalate	0.21	0.24	0.25	86	96	65-130	10.8	25
2,4-Dimethylphenol	4.3	4.6	5	85	93	60-130	8.58	25
Dimethyl Phthalate	0.22	0.27	0.25	88	108	60-130	19.8	25
4,6-Dinitro-2-methylphenol	25	27	25	99	106	60-130	7.48	25
2,4-Dinitrophenol	5.1	5.7	5	102	114	50-130	11.4	25
2,4-Dinitrotoluene	0.28	0.31	0.25	111	123	70-130	10.3	25

(Cont.)



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/30/2022
Date Analyzed: 03/30/2022
Instrument: GC21
Matrix: Water
Project: Semi-Annual Sampling (March 2022)

WorkOrder: 2203H64
BatchID: 242330
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-242330

QC Summary Report for E625.1

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
2,6-Dinitrotoluene	0.26	0.29	0.25	105	114	65-140	8.40	25
Di-n-octyl Phthalate	4.3	4.7	5	86	94	70-130	8.65	25
1,2-Diphenylhydrazine	4.6	4.8	5	91	95	65-130	4.41	25
Fluoranthene	0.23	0.25	0.25	90	100	65-130	10.3	25
Fluorene	0.22	0.24	0.25	89	97	65-130	8.58	25
Hexachlorobenzene	0.21	0.22	0.25	84	87	60-130	3.93	25
Hexachlorobutadiene	0.20	0.22	0.25	81	86	60-130	6.13	25
Hexachlorocyclopentadiene	20	20	25	79	80	50-130	1.73	25
Hexachloroethane	0.20	0.22	0.25	80	87	40-130	7.49	25
Indeno (1,2,3-cd) pyrene	0.22	0.23	0.25	88	92	50-130	4.73	25
1-Methylnaphthalene	0.22	0.24	0.25	88	96	65-130	9.35	25
Isophorone	4.4	5.0	5	88	99	50-130	11.8	25
2-Methylnaphthalene	0.22	0.24	0.25	90	97	60-130	7.72	25
2-Methylphenol (o-Cresol)	4.2	4.7	5	85	93	60-130	9.69	25
3 & 4-Methylphenol (m,p-Cresol)	4.3	4.9	5	86	97	60-130	12.4	25
Naphthalene	0.23	0.25	0.25	91	100	50-130	9.33	25
2-Nitroaniline	25	25	25	98	102	65-130	3.66	25
3-Nitroaniline	25	28	25	98	111	70-140	12.0	25
4-Nitroaniline	24	28	25	96	113	70-130	16.7	25
Nitrobenzene	4.8	5.1	5	95	103	60-130	7.59	25
2-Nitrophenol	23	26	25	93	103	70-130	9.73	25
4-Nitrophenol	23	28	25	93	112	30-130	18.8	25
N-Nitrosodimethylamine	21	23	25	83	93	30-130	12.0	25
N-Nitrosodiphenylamine	4.6	4.8	5	91	96	65-130	4.91	25
N-Nitrosodi-n-propylamine	4.2	4.9	5	85	98	50-130	14.3	25
Pentachlorophenol	1.2	1.3	1.25	94	101	60-130	6.85	25
Phenanthrene	0.22	0.24	0.25	89	94	65-130	6.23	25
Phenol	0.85	0.93	1	85	93	30-130	8.67	25
Pyrene	0.23	0.24	0.25	91	98	70-130	7.11	25
Pyridine	4.2	4.8	5	83	96	30-130	13.7	25
1,2,4-Trichlorobenzene	4.3	4.6	5	86	92	65-130	6.58	25
2,4,5-Trichlorophenol	0.24	0.23	0.25	95	93	65-130	1.48	25
2,4,6-Trichlorophenol	0.23	0.24	0.25	93	95	65-130	1.89	25

(Cont.)

Quality Control Report

Client: PG&E Gateway Generating Station

Date Prepared: 03/30/2022

Date Analyzed: 03/30/2022

Instrument: GC21

Matrix: Water

Project: Semi-Annual Sampling (March 2022)

WorkOrder: 2203H64

BatchID: 242330

Extraction Method: E625.1

Analytical Method: E625.1

Unit: µg/L

Sample ID: MB/LCS/LCSD-242330

QC Summary Report for E625.1

Analyte	LCS	LCSD	SP	Val	%REC	LCSD	%REC	Limits	RPD	RPD	Limit
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2-Fluorophenol	3.9	4.1	5	78	82	30-130	5.66	25	25	25	25
Phenol-d5	4.4	4.7	5	88	94	20-130	6.04	25	25	25	25
Nitrobenzene-d5	4.8	5.2	5	96	104	60-130	7.67	25	25	25	25
2-Fluorobiphenyl	4.5	4.6	5	89	91	50-130	2.20	25	25	25	25
2,4,6-Tribromophenol	4.9	4.9	5	98	98	60-130	0.119	25	25	25	25
4-Terphenyl-d14	2.8	3.0	5	56	60	40-130	6.16	25	25	25	25

McC Campbell Analytical, Inc.



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

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2203H64

ClientCode: PGEA

☐ WaterTrax

☐ CLIP

☐ EDF

☐ EQuIS

☐ Dry-Weight

☒ Email

☐ HardCopy

☐ ThirdParty

☐ J-flag

☐ Detection Summary

☐ Excel

Report to:

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

Email: abe4@pge.com
cc/3rd Party: A1HE@pge.com; J5Ld@pge.com;
PO:
Project: Semi-Annual Sampling (March 2022)

Bill to:

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

Re uested TAT: 1 day;

Date Received: 03/29/2022

Date Logged: 03/29/2022

Lab ID	Client ID	Matri	Collection Date	Hold	Re uested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2203H64-001	E-001	Water	3/29/2022 10:50	<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.



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: Semi-Annual Sampling (March 2022)

Work Order: 2203H64

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 3/29/2022

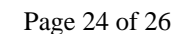
☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQUIS ☒ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

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)	2	VOA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/29/2022 10:50	1 day	3/30/2022	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"/>	3/29/2022 10:50	1 day	3/30/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
001C	E-001	Water	E625.1 (SVOCs)	1	1LA Narrow Mouth, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/29/2022 10:50	1 day	3/30/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
001D	E-001	Water	E608.3 (OC Pesticides+PCBs w/ Florisil Clean-up)	1	1LA Narrow Mouth, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/29/2022 10:50	1 day	3/30/2022	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).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not include 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.



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 (March 2022)**

Date and Time Received: **3/29/2022 12:45**

Date Logged: **3/29/2022**

Received by: **Tina Perez**

Logged by: **Valerie Alfaro**

WorkOrder No: **2203H64** Matrix: Water

Carrier: Client Drop-In

Chain of Custody (COC) Information

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

NA ☒

Sample Receipt Information

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

NA ☒

NA ☒

Sample Preservation and Hold Time (HT) Information

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

NA ☐

(Ice Type: WET ICE)

Sample/Temp Blank temperature Temp: 1.4°C

NA ☐

ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? Yes ☒ No ☐

NA ☐

Sample labels checked for correct preservation? Yes ☒ No ☐

pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)? Yes ☐ No ☐

NA ☒

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? Yes ☐ No ☐

NA ☒

Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? Yes ☐ No ☐

NA ☒

Comments:

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



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2203H52

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Angel Espiritu

Project P.O.:

Project: Annual Sampling (March 2022)

Project Received: 03/29/2022

Analytical Report reviewed & approved for release on 03/30/2022 by:

Susan Thompson
Project Manager

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





Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2203H52

Project: Annual Sampling (March 2022)

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
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
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



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

Analytical Report

Client: PG&E Gateway Generating Station

Date Received: 03/29/2022 12:45

Date Prepared: 03/29/2022

Project: Annual Sampling (March 2022)

WorkOrder: 2203H52

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	2203H52-001B	Water	03/29/2022 10:50	IC4 03302213.D	242243

Analytes	Result	RL	DF	Date Analyzed
Sulfate	96	5.0	50	03/29/2022 19:42

Analyst(s): ND



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/29/2022 12:45
Date Prepared: 03/30/2022
Project: Annual Sampling (March 2022)

WorkOrder: 2203H52
Extraction Method: SM4500-S⁻² D-2000
Analytical Method: SM4500 S⁻² D
Unit: mg/L

Total Sulfide - S

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2203H52-001A	Water	03/29/2022 10:50	SPECTROPHOTOMETER2	242357

Analytes	Result	RL	DF	Date Analyzed
Total Sulfide	ND	0.10	1	03/30/2022 15:09

Analyst(s): RB



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Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2203H52
Date Prepared:	03/29/2022	BatchID:	242243
Date Analyzed:	03/29/2022	Extraction Method:	E300.1
Instrument:	IC4	Analytical Method:	E300.1
Matrix:	Water	Unit:	mg/L
Project:	Annual Sampling (March 2022)	Sample ID:	MB/LCS/LCSD-242243

QC Summary Report for E300.1

Analyte	MB Result	MDL	RL	SP Val	MB SS %REC	MB SS Limits
Sulfate	ND	0.057	0.10	-	-	-
Surrogate Recovery						
Malonate	0.10			0.1	102	90-115
Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	RPD Limit
Sulfate	1.0	1.0	1	101	102	85-115 1.82 20
Surrogate Recovery						
Malonate	0.10	0.10	0.10	100	102	90-115 1.44 20



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Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/30/2022
Date Analyzed: 03/30/2022
Instrument: SPECTROPHOTOMETER2
Matrix: Water
Project: Annual Sampling (March 2022)

WorkOrder: 2203H52
BatchID: 242357
Extraction Method: SM4500-S⁻² D-2000
Analytical Method: SM4500 S⁻² D
Unit: mg/L
Sample ID: MB/LCS/LCSD-242357

QC Summary Report For SM4500 S-2D

Analyte	MB Result	MDL	RL			
Total Sulfide	ND	0.042	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Sulfide	0.46	0.47	0.50	91	93	80-120	2.34	20

McC Campbell Analytical, Inc.



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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2203H52

ClientCode: PGEA

☐ WaterTrax

☐ CLIP

☐ EDF

☒ EQuIS

☐ Dry-Weight

☒ Email

☐ HardCopy

☐ ThirdParty

☐ J-flag

☒ Detection Summary

☐ Excel

Report to:

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

Email: abe4@pge.com
cc/3rd Party: A1HE@pge.com; J5Ld@pge.com; tIWY@p
PO:
Project: Annual Sampling (March 2022)

Bill to:

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

Re uested TAT: 1 day;

Date Received: 03/29/2022

Date Logged: 03/29/2022

Lab ID	Client ID	Matri	Collection Date	Hold	Re uested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2203H52-001	E-001	Water	3/29/2022 10:50	<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: Cassandra Gallegos

Comments:

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



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WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Annual Sampling (March 2022)

Work Order: 2203H52

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments

Date Logged: 3/29/2022

☐ WaterTrax ☐ WriteOn ☐ 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"/>	3/29/2022 10:50	1 day	3/30/2022	None	<input type="checkbox"/>	<input type="checkbox"/>
001B	E-001	Water	E300.1 (Inorganic Anions) <Sulfate>	1	250mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/29/2022 10:50	1 day	3/30/2022	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).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not include 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 9 of 10



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Sample Receipt Checklist

Client Name: **PG&E Gateway Generating Station**
Project: **Annual Sampling (March 2022)**

Date and Time Received: **3/29/2022 12:45**

Date Logged: **3/29/2022**

Received by: **Cassandra Gallegos**

Logged by: **Cassandra Gallegos**

WorkOrder No: **2203H52** 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: 1.4°C		NA <input type="checkbox"/>
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
UCMR Samples:			
pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments:



**Pacific Gas and
Electric Company®**

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

July 12, 2022

Mr. Andrew Mora
Delta Diablo Sanitation District
2500 Pittsburg-Antioch Hwy.
Antioch, CA 94509-1373

Reference: Pacific Gas and Electric Company - Gateway Generating Station Delta
Diablo Sanitation District Industrial Wastewater Discharge Permit
Permit Number: 0208841-C

Subject: Quarterly Self-Monitoring Report
(For Period Ending June 30, 2022)

Dear Mr. Mora,

Attached is the Quarterly Self-Monitoring Report (SMR) for Pacific Gas and Electric Company - Gateway Generating Station (GGS) for the period ending June 30, 2022, as required under Delta Diablo Sanitation District 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, Annual Flowmeter Calibration, and Copy of Laboratory Results.

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

Sincerely,

Tim Wisdom

Tim Wisdom
Senior Plant Manager

Attachment: a/s

*Received by:
Claudia Argenda
7/13/22 5:35 pm
[Signature]*



**Pacific Gas and
Electric Company®**

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

July 12, 2022

Mr. Andrew Mora
Delta Diablo Sanitation District
2500 Pittsburg-Antioch Hwy.
Antioch, CA 94509-1373

Reference: Pacific Gas and Electric Company - Gateway Generating Station Delta
Diablo Sanitation District Industrial Wastewater Discharge Permit
Permit Number: 0208841-C

Subject: Quarterly Self-Monitoring Report
(For Period Ending June 30, 2022)

Dear Mr. Mora,

Attached is the Quarterly Self-Monitoring Report (SMR) for Pacific Gas and Electric Company - Gateway Generating Station (GGS) for the period ending June 30, 2022, as required under Delta Diablo Sanitation District 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, Annual Flowmeter Calibration, and Copy of Laboratory Results.

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

Sincerely,

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

Tim Wisdom
Senior Plant Manager

Attachment: a/s

Pacific Gas and Electric Company
Gateway Generating Station

Quarterly Self-Monitoring Report
For the reporting period ending in June 30, 2022

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, 2023.

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 |

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, 2022

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 12, 2022
Print Name: Tim Wisdom

Attachment 2
Industrial User Compliance Report

Industrial User Compliance Report Form

Attn: Andrew Mora

Fax # (925)756-1961

From: Tim Wisdom

Company: Pacific Gas and Electric Company – Gateway Generating Station

Period Covered: Period ending June 30, 2022

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	6/14/2022	6/15/2022	6/15/2022					
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.	8.96						
BOD				ND(<16)				
COD				290.0				
TDS				604.0				
TSS				18.4				
Arsenic	0.15			0.00120				
Cadmium	0.1			ND(<0.0005)				
Chromium	0.5			0.0095				
Copper	0.5			0.0500				
Iron				23.0				
Lead	0.5			0.00059				
Mercury	0.003			ND(<0.0002)				
Molybdenum				0.045				
Nickel	0.5			0.0160				
Selenium	0.25			ND(<0.0005)				
Silver	0.2			ND(<0.0005)				
Zinc	1.00			0.890				
Cyanide	0.2		ND(<0.008)					
Phenol	1.00		ND(<0.05)					
Ammonia	200		51					
O&G Petro/Min (E1664A w/ Silica)	100	ND(<5.0)	ND(<5.0)					
O&G Animal/Vegetable Oil	300	ND(<5.0)	ND(<5.0)					
TTO EPA 608								
TTO EPA 624								
TTO EPA 625								
TTO								
Sulfide								
Sulfate								

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

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

Attachment 4
Discharge Flow Data

PG&E Gateway Generating Station

Discharge Flow Data

April 2022-June 2022

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)	
4/1/2022	32.7	0.0	NO	24,125	0.1	0	NO		24,125
4/2/2022	33.9	0.0	NO	22,812	0.0	0	NO		22,812
4/3/2022	33.6	0.0	NO	14,038	0.0	0	NO		14,038
4/4/2022	35.1	0.0	NO	16,207	12.5	0	NO	382	16,589
4/5/2022	34.6	0.0	NO	25,407	0.0	0	NO		25,407
4/6/2022	34.4	0.0	NO	20,122	2.7	0	NO	425	20,547
4/7/2022	34.6	0.0	NO	43,574	0.0	0	NO		43,574
4/8/2022	34.6	1.0	NO	39,426	0.0	2	NO		39,426
4/9/2022	35.3	0.0	NO	29,555	0.2	0	NO	10	29,564
4/10/2022	34.5	0.0	NO	14,668	0.1	0	NO	10	14,677
4/11/2022	34.5	0.0	NO	35,119	0.0	0	NO		35,119
4/12/2022	34.8	0.0	NO	18,488	0.1	0	NO		18,488
4/13/2022	34.7	0.0	NO	25,632	0.1	0	NO		25,632
4/14/2022	34.6	0.0	NO	27,960	4.7	0	NO		27,960
4/15/2022	34.8	0.0	NO	33,065	0.1	0	NO		33,065
4/16/2022	35.0	0.0	NO	14,794	0.0	0	NO		14,794
4/17/2022	34.6	0.0	NO	13,942	0.1	0	NO		13,942
4/18/2022	34.7	0.0	NO	42,194	0.1	0	NO		42,194
4/19/2022	34.8	0.0	NO	34,022	25.6	0	NO	302	34,324
4/20/2022	34.6	0.0	NO	48,292	20.2	0	NO	685	48,978
4/21/2022	34.7	0.0	NO	39,690	0.0	0	NO		39,690
4/22/2022	34.5	0.0	NO	44,993	0.0	0	NO		44,993
4/23/2022	34.6	0.0	NO	41,732	18.3	0	NO	349	42,081
4/24/2022	34.8	0.0	NO	29,990	0.0	0	NO		29,990
4/25/2022	35.0	0.0	NO	28,221	0.0	0	NO		28,221
4/26/2022	34.7	0.0	NO	38,114	21.9	0	NO	351	38,465
4/27/2022	34.6	0.0	NO	19,816	0.0	0	NO		19,816
4/28/2022	-0.5	0.0	NO		21.3	0	NO	332	332
4/29/2022	34.8	0.0	NO	31,858	0.0	0	NO		31,858
4/30/2022	34.5	0.0	NO	39,850	0.0	0	NO		39,850

Max Daily Flow (Limit: 51,120):

48,978

Monthly Total:

860,553

5/1/2022	34.8	0.0	NO	13,861	0.0	0	NO		13,861
5/2/2022	34.6	0.0	NO	6,341	23.8	0	NO	362	6,703
5/3/2022	34.7	0.0	NO	21,043	0.0	0	NO		21,043
5/4/2022	35.0	0.0	NO	32,549	0.0	0	NO		32,549
5/5/2022	35.3	0.0	NO	28,989	24.3	0	NO	378	29,367
5/6/2022	34.8	0.0	NO	44,836	0.0	0	NO		44,836
5/7/2022	34.6	0.0	NO	27,905	24.1	0	NO	377	28,283
5/8/2022	34.8	1.0	NO	26,082	0.0	2	NO		26,082
5/9/2022	34.6	0.0	NO	10,146	0.0	0	NO		10,146
5/10/2022	34.7	0.0	NO	24,726	25.9	0	NO		24,726
5/11/2022	34.5	0.0	NO	18,870	0.1	0	NO		18,870
5/12/2022	34.7	0.0	NO	16,487	23.9	0	NO	350	16,837
5/13/2022	34.8	0.0	NO	28,137	0.0	0	NO		28,137
5/14/2022	35.1	0.0	NO	20,996	0.0	0	NO		20,996
5/15/2022	34.5	0.0	NO	49,034	0.0	0	NO		49,034
5/16/2022	34.8	0.0	NO	9,554	25.6	0	NO	376	9,929
5/17/2022	34.7	0.0	NO	23,232	0.0	0	NO		23,232
5/18/2022	34.7	0.0	NO	31,492	0.0	0	NO		31,492
5/19/2022	34.8	0.0	NO	45,833	25.7	0	NO	369	46,202
5/20/2022	34.8	0.0	NO	40,275	0.0	0	NO		40,275

PG&E Gateway Generating Station

Discharge Flow Data

April 2022-June 2022

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)	
5/21/2022	34.8	0.0	NO	13,138	0.0	0	NO		13,138
5/22/2022	-0.5	0.0	NO		26.8	0	NO	362	362
5/23/2022	35.2	0.0	NO	33,471	0.0	0	NO		33,471
5/24/2022	34.7	0.0	NO	49,033	0.0	0	NO		49,033
5/25/2022	34.8	0.0	NO	44,978	25.8	0	NO	360	45,338
5/26/2022	34.7	0.0	NO	48,573	0.0	0	NO		48,573
5/27/2022	34.7	0.0	NO	40,446	27.0	0	NO	347	40,793
5/28/2022	34.6	0.0	NO	26,284	0.0	0	NO		26,284
5/29/2022	35.0	0.0	NO	22,423	0.1	0	NO		22,423
5/30/2022	34.5	0.0	NO	13,245	0.0	0	NO		13,245
5/31/2022	34.6	0.0	NO	45,568	26.5	0	NO	348	45,916

Max Daily Flow (Limit: 51,120): 49,034

Monthly Total: 861,176

6/1/2022	34.8	0.0	NO	49,022	0.0	0	NO		49,022
6/2/2022	34.8	0.0	NO	17,606	24.9	0	NO	361	17,967
6/3/2022	34.5	0.0	NO	6,347	0.1	0	NO		6,347
6/4/2022	34.5	0.0	NO	14,454	0.0	0	NO		14,454
6/5/2022	34.8	0.0	NO	16,259	0.0	0	NO		16,259
6/6/2022	34.6	0.0	NO	40,855	26.0	0	NO	349	41,204
6/7/2022	34.6	0.0	NO	35,443	0.0	0	NO		35,443
6/8/2022	34.8	1.0	NO	42,578	25.8	2	NO	381	42,958
6/9/2022	35.0	0.0	NO	36,799	0.0	0	NO		36,799
6/10/2022	34.7	0.0	NO	29,342	0.0	0	NO		29,342
6/11/2022	34.8	0.0	NO	49,026	0.0	0	NO		49,026
6/12/2022	34.8	0.0	NO	20,648	26.4	0	NO	548	21,195
6/13/2022	34.9	0.0	NO	36,271	0.1	0	NO		36,271
6/14/2022	34.6	0.0	NO	48,261	26.4	0	NO	327	48,587
6/15/2022	34.5	0.0	NO	46,677	0.0	0	NO		46,677
6/16/2022	35.0	0.0	NO	32,830	26.0	0	NO	360	33,189
6/17/2022	35.0	0.0	NO	35,001	0.0	0	NO		35,001
6/18/2022	34.8	0.0	NO	25,106	0.0	0	NO		25,106
6/19/2022	34.5	0.0	NO	9,447	27.2	0	NO	360	9,807
6/20/2022	34.7	0.0	NO	24,689	0.0	0	NO		24,689
6/21/2022	34.5	0.0	NO	49,026	0.0	0	NO		49,026
6/22/2022	34.6	0.0	NO	46,068	26.1	0	NO	344	46,412
6/23/2022	34.8	9.0	NO	32,128	0.1	13	NO		32,128
6/24/2022	34.8	0.0	NO	40,743	0.0	0	NO		40,743
6/25/2022	35.1	0.0	NO	28,543	27.5	0	NO	365	28,908
6/26/2022	34.8	0.0	NO	45,280	0.0	0	NO		45,280
6/27/2022	34.7	0.0	NO	43,925	0.0	0	NO		43,925
6/28/2022	34.7	0.0	NO	39,245	26.1	0	NO	361	39,606
6/29/2022	34.9	0.0	NO	42,112	0.0	0	NO		42,112
6/30/2022	35.2	0.0	NO	27,559	25.9	0	NO	340	27,899

Max Daily Flow (Limit: 51,120): 49,026

Monthly Total: 1,015,382

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: **2022**

Month	Flow (gallons)	Due Date
January		
February		
March		
April	860,553	7/15/2022
May	861,176	7/15/2022
June	1,015,382	7/15/2022
July		
August		
September		
October		
November		
December		

Note:

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

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

Attachment 6
WSAC Operating Hours Report

PG&E Gateway Generating Station

WSAC Operating Hours Report
April 2022 to June 2022

WSAC Operation	
Month	Hours of Operation
January-22	
February-22	
March-22	
April-22	89.75
May-22	205.67
June-22	416.25
July-22	
August-22	
September-22	
October-22	
November-22	
December-22	

Attachment 7
Cycles of Concentration

PG&E Gateway Generating Station

WSAC Average Daily Blowdown Cycles Report
April 2022 to June 2022

WSAC Operation	
Month	Average Daily Blowdown Cycles
January-22	
February-22	
March-22	
April-22	2.12
May-22	2.83
June-22	2.75
July-22	
August-22	
September-22	
October-22	
November-22	
December-22	

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: 2206950

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 2022)

Project Received: 06/15/2022

Analytical Report reviewed & approved for release on 06/24/2022 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: 2206950

Project: Quarterly Sampling (June 2022)

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 m 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
L L	Lowest quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TE	Toxicity Equivalents
T A	Time one Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2206950

Project: Quarterly Sampling (June 2022)

Analytical ualifiers

i5 The sample dilutions set up for the BOD analysis did not meet the oxygen depletion criterion of at least 2 mg/l, therefore the reported result is an estimated value only.

uality Control ualifiers

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

F10 MS/MSD outside control limits. Physical or chemical interferences exist due to sample matrix.



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/15/2022 12:08
Date Prepared: 06/20/2022
Project: Quarterly Sampling (June 2022)

WorkOrder: 2206950
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	2206950-001B	Water	06/14/2022 09:05	O&G	247672

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
SGT-HEM	ND	5.0	1	06/21/2022 16:00

Analyst(s): HN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2206950-002B	Water	06/15/2022 10:10	O&G	247672

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
SGT-HEM	ND	5.0	1	06/21/2022 16:05

Analyst(s): HN



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/15/2022 12:08
Date Prepared: 06/20/2022
Project: Quarterly Sampling (June 2022)

WorkOrder: 2206950
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	2206950-001A	Water	06/14/2022 09:05	O&G	247946

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
HEM	ND	5.0	1	06/21/2022 15:30

Analyst(s): HN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2206950-002A	Water	06/15/2022 10:10	O&G	247946

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
HEM	ND	5.0	1	06/21/2022 15:35

Analyst(s): HN



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/15/2022 12:08
Date Prepared: 06/20/2022
Project: Quarterly Sampling (June 2022)

WorkOrder: 2206950
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	2206950-002C	Water	06/15/2022 10:10	WC S ALAR 220620B1 68	247859

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Ammonia, total as N	51	1.0	10	06/20/2022 17:39

Analyst(s): CC



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/15/2022 12:08
Date Prepared: 06/16/2022
Project: Quarterly Sampling (June 2022)

WorkOrder: 2206950
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	2206950-003A	Water	06/15/2022 10:03	WetChem	247673

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
BOD	ND	16	4	06/21/2022 16:10

Analyst(s): MGO

Analytical Comments: i5



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/15/2022 12:08
Date Prepared: 06/16/2022
Project: Quarterly Sampling (June 2022)

WorkOrder: 2206950
Extraction Method: SM5220 D-1997
Analytical Method: SM5220 D-1997
Unit: mg/L

Chemical Oxygen Demand (COD) as mg O₂ /L

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2206950-003B	Water	06/15/2022 10:03	SPECTROPHOTOMETER2	247728

Analytes	Result	RL	DE	Date Analyzed
COD	290	10	1	06/16/2022 16:37

Analyst(s): NYG



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/15/2022 12:08
Date Prepared: 06/15/2022
Project: Quarterly Sampling (June 2022)

WorkOrder: 2206950
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	2206950-003E	Water	06/15/2022 10:03	AA1 27	247512

Analytes	Result	RL	DE	Date Analyzed
Mercury	ND	0.20	1	06/16/2022 16:11

Analyst(s): MIG



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/15/2022 12:08
Date Prepared: 06/16/2022
Project: Quarterly Sampling (June 2022)

WorkOrder: 2206950
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Metals

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
E-001	2206950-003F	Water	06/15/2022 10:03		ICP-MS2 070SMPL.D	247580
Analytes		Result	RL	DE	Date Analyzed	
Arsenic		1.2	0.50	1	06/16/2022 18:15	
Cadmium		ND	0.50	1	06/16/2022 18:15	
Chromium		9.5	0.50	1	06/16/2022 18:15	
Copper		50	1.5	1	06/16/2022 18:15	
Iron		23,000	50	1	06/16/2022 18:15	
Lead		0.59	0.50	1	06/16/2022 18:15	
Molybdenum		45	0.50	1	06/16/2022 18:15	
Nickel		16	0.50	1	06/16/2022 18:15	
Selenium		ND	0.50	1	06/16/2022 18:15	
Silver		ND	0.50	1	06/16/2022 18:15	
inc		890	20	1	06/16/2022 18:15	
Surrogates		REC (%)	Limits			
Terbium		110	70-130		06/16/2022 18:15	
Analyst(s): DB						



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/15/2022 12:08
Date Prepared: 06/22/2022
Project: Quarterly Sampling (June 2022)

WorkOrder: 2206950
Extraction Method: E420.1
Analytical Method: E420.1
Unit: µg/L

Phenolics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2206950-002C	Water	06/15/2022 10:10	SPECTROPHOTOMETER2	248077

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Phenolics	ND	50	1	06/22/2022 16:12

Analyst(s): NYG



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/15/2022 12:08
Date Prepared: 06/20/2022
Project: Quarterly Sampling (June 2022)

WorkOrder: 2206950
Extraction Method: SM2540 C-1997
Analytical Method: SM2540 C-1997
Unit: mg/L

Total Dissolved Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2206950-003C	Water	06/15/2022 10:03	WetChem	247925

Analytes	Result	RL	DE	Date Analyzed
Total Dissolved Solids	604	10.0	1	06/21/2022 16:35

Analyst(s): JRA



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/15/2022 12:08
Date Prepared: 06/17/2022
Project: Quarterly Sampling (June 2022)

WorkOrder: 2206950
Extraction Method: SM2540 D-1997
Analytical Method: SM2540 D-1997
Unit: mg/L

Total Suspended Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2206950-003D	Water	06/15/2022 10:03	WetChem	247771

Analytes	Result	RL	DE	Date Analyzed
Total Suspended Solids	18.4	1.00	1	06/17/2022 16:05

Analyst(s): MGO

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

06/16/2022

Date Analyzed:

06/17/2022

Instrument:

O&G

Matrix:

Water

Project:

Quarterly Sampling (June 2022)

WorkOrder:

2206950

BatchID:

247672

Extraction Method:

E1664A_SG

Analytical Method:

E1664A

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-247672

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL
SGT-HEM	ND	0.72	5.0

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
SGT-HEM	8.7	8.1	10.42	83	78	64-132	6.77	30

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2206950
Date Prepared:	06/21/2022	BatchID:	247946
Date Analyzed:	06/21/2022	Extraction Method:	E1664A
Instrument:	O&G	Analytical Method:	E1664A
Matrix:	Water	Unit:	mg/L
Project:	Quarterly Sampling (June 2022)	Sample ID:	MB/LCS/LCSD-247946

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL
HEM	ND	1.3	5.0

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
HEM	18	18	20.83	88	86	78-114	2.99	30

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2206950
Date Prepared:	06/20/2022	BatchID:	247859
Date Analyzed:	06/20/2022	Extraction Method:	SM4500-NH3 BG
Instrument:	WC_SKALAR	Analytical Method:	SM4500-NH3 BG
Matrix:	Water	Unit:	mg/L
Project:	Quarterly Sampling (June 2022)	Sample ID:	MB/LCS/LCSD-247859

QC Summary Report for SM4500-NH3

Analyte	MB Result	MDL	RL
Ammonia, total as N	ND	0.096	0.10

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Ammonia, total as N	3.9	3.8	4	97	95	88-113	1.88

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

06/16/2022

Date Analyzed:

06/21/2022

Instrument:

WetChem

Matrix:

Water

Project:

Quarterly Sampling (June 2022)

WorkOrder:

2206950

BatchID:

247673

Extraction Method:

SM5210B

Analytical Method:

SM5210 B

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-247673

QC Summary Report for BOD

Analyte	MB Result	MDL	RL
BOD	ND	4.0	4.0

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
BOD	220	210	198	109	106	80-120	2.82	16

Quality Control Report

Client: PG&E Gateway Generating Station

Date Prepared: 06/16/2022

Date Analyzed: 06/16/2022

Instrument: SPECTROPHOTOMETER2

Matrix: Water

Project: Quarterly Sampling (June 2022)

WorkOrder: 2206950

BatchID: 247728

Extraction Method: SM5220 D-1997

Analytical Method: SM5220 D-1997

Unit: mg/L

Sample ID: MB/LCS/LCSD-247728

QC Summary Report for COD

Analyte	MB Result	MDL	RL
COD	ND	9.5	10

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
COD	94	94	100	94	94	90-110	0	20



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2206950
Date Prepared:	06/15/2022	BatchID:	247512
Date Analyzed:	06/16/2022	Extraction Method:	E245.2
Instrument:	AA1	Analytical Method:	E245.2
Matrix:	Water	Unit:	µg/L
Project:	Quarterly Sampling (June 2022)	Sample ID:	MB/LCS/LCSD-247512

QC Summary Report for Mercury

Analyte	MB Result	MDL	RL
Mercury	ND	0.13	0.20

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Mercury	2.1	2.0	2	103	102	85-115	0.719
							20



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2206950
Date Prepared:	06/16/2022	BatchID:	247580
Date Analyzed:	06/16/2022	Extraction Method:	E200.8
Instrument:	ICP-MS2	Analytical Method:	E200.8
Matrix:	Water	Unit:	µg/L
Project:	Quarterly Sampling (June 2022)	Sample ID:	MB/LCS/LCSD-247580 2206950-003FMS/MSD 2206950-003FPDS

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SP Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.074	0.50	-	-	-
Cadmium	ND	0.043	0.50	-	-	-
Chromium	ND	0.28	0.50	-	-	-
Copper	ND	0.75	1.5	-	-	-
Iron	ND	26	50	-	-	-
Lead	ND	0.19	0.50	-	-	-
Molybdenum	ND	0.13	0.50	-	-	-
Nickel	ND	0.33	0.50	-	-	-
Selenium	ND	0.16	0.50	-	-	-
Silver	ND	0.092	0.50	-	-	-
inc	ND	14	20	-	-	-
Surrogate Recovery						
Terbium	540			500	107	70-130



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2206950
Date Prepared:	06/16/2022	BatchID:	247580
Date Analyzed:	06/16/2022	Extraction Method:	E200.8
Instrument:	ICP-MS2	Analytical Method:	E200.8
Matrix:	Water	Unit:	µg/L
Project:	Quarterly Sampling (June 2022)	Sample ID:	MB/LCS/LCSD-247580 2206950-003FMS/MSD 2206950-003FPDS

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Arsenic	54	52	50	108	103	85-115	4.47
Cadmium	53	51	50	107	101	85-115	5.26
Chromium	53	51	50	106	101	85-115	5.02
Copper	52	50	50	105	100	85-115	4.88
Iron	5200	4900	5000	103	98	85-115	5.36
Lead	53	51	50	106	101	85-115	4.50
Molybdenum	52	49	50	104	98	85-115	5.56
Nickel	52	50	50	103	99	85-115	4.04
Selenium	55	54	50	110	107	85-115	2.83
Silver	53	51	50	106	101	85-115	3.94
inc	540	520	500	108	103	85-115	4.14

Surrogate Recovery

Terbium	550	530	500	111	106	70-130	4.72	20
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Analyte	MS DF	MS Result	MSD Result	SP Val	SP Ref Val	MS %REC	MSD %REC	MS/MSD Limits	RPD Limit
Arsenic	1	56	56	50	1.164	109	109	85-115	0.108
Cadmium	1	51	50	50	ND	102	100	85-115	1.43
Chromium	1	61	61	50	9.457	104	102	85-115	1.12
Copper	1	83	84	50	49.76	66,F10	69,F10	85-115	1.72
Iron	1	28,000	27,000	5000	22,750	96	91	85-115	0.802
Lead	1	54	54	50	0.5901	107	107	85-115	0.0742
Molybdenum	1	96	92	50	45.28	101	94	85-115	3.89
Nickel	1	66	65	50	15.91	101	99	85-115	1.66
Selenium	1	30	30	50	ND	60,F10	59,F10	85-115	2.26
Silver	1	50	50	50	ND	101	101	85-115	0.298
inc	1	1400	1400	500	886.2	101	99	85-115	0.650

Surrogate Recovery

Terbium	1	560	550	500		113	110	70-130	2.21	20
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Analyte	PDS Result	SP Val	SP Ref Val	PDS %REC	PDS Limits
Copper	96	50	49.76	93	75-125
Selenium	51	50	ND	101	75-125

(Cont.)



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2206950
Date Prepared:	06/16/2022	BatchID:	247580
Date Analyzed:	06/16/2022	Extraction Method:	E200.8
Instrument:	ICP-MS2	Analytical Method:	E200.8
Matrix:	Water	Unit:	µg/L
Project:	Quarterly Sampling (June 2022)	Sample ID:	MB/LCS/LCSD-247580 2206950-003FMS/MSD 2206950-003FPDS

QC Summary Report for Metals

Analyte	PDS Result	SP Val	SP Ref Val	PDS %REC	PDS Limits
Analyte	DLT Result	DLTRef Val		%D	%D Limit
Arsenic	ND<2.5	1.164		-	-
Cadmium	ND<2.5	ND		-	-
Chromium	9.4	9.457		0.603	-
Copper	50	49.76		0.482	20
Iron	23,000	22,750		1.10	20
Lead	ND<2.5	0.5901		-	-
Molybdenum	43	45.28		5.04	20
Nickel	16	15.91		0.566	20
Selenium	ND<2.5	ND		-	-
Silver	ND<2.5	ND		-	-
inc	890	886.2		0.429	20

% D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2206950
Date Prepared:	06/22/2022	BatchID:	248077
Date Analyzed:	06/22/2022	Extraction Method:	E420.1
Instrument:	SPECTROPHOTOMETER2	Analytical Method:	E420.1
Matrix:	Water	Unit:	µg/L
Project:	Quarterly Sampling (June 2022)	Sample ID:	MB/LCS/LCSD-248077 2206950-002CMS/MSD

QC Summary Report for Phenolics

Analyte	MB Result	MDL	RL
Phenolics	ND	45	50

Analyte	LCS Result	LCSD Result	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Phenolics	190	190	200	96	96	80-120	20

Analyte	MS DF	MS Result	MSD Result	SP Val	SP Ref Val	MS %REC	MSD %REC	MS/MSD Limits	RPD Limit
Phenolics	1	160	160	200	ND	79,F1	82	80-120	4.44

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

06/20/2022

Date Analyzed:

06/21/2022

Instrument:

WetChem

Matrix:

Water

Project:

Quarterly Sampling (June 2022)

WorkOrder:

2206950

BatchID:

247925

Extraction Method:

SM2540 C-1997

Analytical Method:

SM2540 C-1997

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-247925

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	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Total Dissolved Solids	1050	1040	1000	105	104	80-120	1.15

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

06/17/2022

Date Analyzed:

06/17/2022

Instrument:

WetChem

Matrix:

Water

Project:

Quarterly Sampling (June 2022)

WorkOrder:

2206950

BatchID:

247771

Extraction Method:

SM2540 D-1997

Analytical Method:

SM2540 D-1997

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-247771

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	SP Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Total Suspended Solids	81.0	82.0	100	81	82	80-120	1.23

McC Campbell Analytical, Inc.



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

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2206950

ClientCode: PGEA

☐ WaterTrax

☐ CLIP

☐ EDF

☐ E uIS

☐ Dry-Weight

☒ Email

☐ HardCopy

☐ ThirdParty

☐ J-flag

☐ Detection Summary

☐ Excel

Report to:

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

Email: abe4@pge.com
cc/3rd Party: a1he@pge.com; j5ld@pge.com; tlwy@pge.
PO:
Project: uarterly Sampling (June 2022)

Bill to:

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

Re uested TATs: 5 days;
7 days;

Date Received: 06/15/2022

Date Logged: 06/15/2022

Lab ID	ClientSampID	Matri	Collection Date	Hold	Re uested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2206950-001	E-001	Water	6/14/2022 09:05	<input type="checkbox"/>	B	A								A		
2206950-002	E-001	Water	6/15/2022 10:10	<input type="checkbox"/>	B	A	C		D				C	A		
2206950-003	E-001	Water	6/15/2022 10:03	<input type="checkbox"/>				A		B	E	F		A	C	D

Test Legend:

1	1664A SG W
5	CN SM4500CE W
9	Phenolics 420 1 W

2	1664A W
6	COD W
10	PRDisposal Fee

3	AMMONIA-SM4500BG W
7	HG W
11	TDS W

4	BOD W
8	METALSMS TTLC W
12	TSS W

Prepared by: Adrianna Cardoza

Comments:

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



McC Campbell Analytical, Inc.

"When Quality Counts"

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

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Quarterly Sampling (June 2022)

Work Order: 2206950

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 6/15/2022

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ E uIS ☒ Email ☐ HardCopy ☐ ThirdParty ☐ U-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/14/2022 9:05	5 days	6/22/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
001B	E-001	Water	E1664A (SGT- HEM; Non-polar Material)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/14/2022 9:05	5 days	6/22/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
002A	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"/>	6/15/2022 10:10	5 days	6/22/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
002B	E-001	Water	E1664A (SGT- HEM; Non-polar Material)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/15/2022 10:10	5 days	6/22/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
002C	E-001	Water	E420.1 (Phenolics) (Manual)	1	500mL aG w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/15/2022 10:10	5 days	6/22/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
			SM4500-NH3 BG (Ammonia Nitrogen)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		5 days	6/22/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
002D	E-001	Water	SM4500-CN ⁻ CE (Cyanide, Total)	1	250mL aHDPE w/ NaOH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/15/2022 10:10	5 days	6/24/2022	Present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
003A	E-001	Water	SM5210B (BOD)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/15/2022 10:03	7 days	6/24/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
003B	E-001	Water	SM5220D (COD)	2	aVOA w/ DNPH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/15/2022 10:03	5 days	6/22/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
003C	E-001	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/15/2022 10:03	5 days	6/22/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
003D	E-001	Water	SM2540D (TSS)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/15/2022 10:03	5 days	6/22/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>

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

- Organic e tracts are held for 40 days before disposal; Inorganic e tract 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 e clude any material from the sample prior to sample preparation unless re uested in writing by the client.

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

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Quarterly Sampling (June 2022)

Work Order: 2206950

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 6/15/2022

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ E uIS ☒ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
003E	E-001	Water	E245.2 (Mercury)	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/15/2022 10:03	5 days	6/22/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
003F	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"/>	6/15/2022 10:03	5 days	6/22/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>

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

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McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701

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

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

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

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

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

Report To: Angel Espiritu

Bill To: PG&E Gateway

Analysis Request

Remarks

Company: PG&E Gateway Generating Station

E-Mail: abe4@pge.com, AIHE@pge.com, JSLd@pge.com, tWY@pge.com

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

Project Name: Quarterly Sampling (June 2022)

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 preserv ABCE	Metals by 200.1 Selenium	Oil/Grease and with	Total Ph	Ammonia	Mercury	Metals (copper, Molybde	BOD (S	COD (S	TDS (S	TSS (S
			Date	Time			Waste Water	Sewer Water	None	ICE	H ₂ SO ₄	NaOH	HCL	HNO ₃	Other											
E-001		G	06/14/22	09:05	2	1L Amb	X			X			X				X									
E-001		G	06/15/22	10:10	2	1L Amb	X			X			X				X									
E-001		G	06/15/22	10:10	1	500ml Amb	X			X	X							X	X							
E-001		G	06/15/22	10:10	1	250-ml Poly	X			X		X			X											
E-001		C	06/15/22	10:03	1	1L Poly	X		X	X												X				
E-001		C	06/15/22	10:03	2	43-ml VOA	X			X	X												X			
E-001		C	06/15/22	10:03	1	500-ml poly	X		X	X														X		
E-001		C	06/15/22	10:03	1	1L poly	X		X	X														X		
E-001		C	06/15/22	10:03	1	250-ml Poly	X			X				X					X							
E-001		C	06/15/22	10:03	1	250-ml poly	X			X				X			X				X					

Relinquished By:

Date:

Time:

Received By:

06/15/22

12:08

Angel Espiritu

Relinquished By:

Date:

Time:

Received By:

Relinquished By:

Date:

Time:

Received By:

ICE/ A.D. COWEN
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB

COMMENTS:

VOAS O&G METALS OTHER



Sample Receipt Checklist

Client Name: **PG&E Gateway Generating Station**
Project: **Quarterly Sampling (June 2022)**

Date and Time Received: **6/15/2022 12:08**

Date Logged: **6/15/2022**

Received by: **Agustina Venegas**

Logged by: **Adrianna Cardoza**

WorkOrder No: **2206950** 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 note?	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: 4 C		NA <input type="checkbox"/>
HS 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:

ANALYTICAL REPORT

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-114913-1
Client Project/Site: 2206950

For:
McCampbell Analytical, Inc.
1534 Willow Pass Road
Pittsburg, California 94565

Attn: Sub Data



Authorized for release by:
6/27/2022 7:50:19 PM

Pauline Matlock, Project Manager
(253)922-2310
Pauline.Matlock@et.eurofinsus.com

LINKS

Review your project
results through



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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: McCampbell Analytical, Inc.
Project/Site: 2206950

Job ID: 580-114913-1

Job ID: 580-114913-1

Laboratory: Eurofins Seattle

Narrative

Job Narrative
580-114913-1

Comments

No additional comments.

Receipt

The sample was received on 6/16/2022 9:45 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 6.4° C.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: McCampbell Analytical, Inc.
Project/Site: 2206950

Job ID: 580-114913-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: McCampbell Analytical, Inc.
Project/Site: 2206950

Job ID: 580-114913-1

Client Sample ID: E-001

Date Collected: 06/15/22 10:10

Date Received: 06/16/22 09:45

Lab Sample ID: 580-114913-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.020	0.0080	mg/L		06/17/22 16:35	06/17/22 16:35	1

QC Sample Results

Client: McCampbell Analytical, Inc.
Project/Site: 2206950

Job ID: 580-114913-1

Method: SM 4500 CN E - Cyanide, Total

Lab Sample ID: MB 580-394222/1-A

Matrix: Water

Analysis Batch: 394232

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 394222

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.020	0.0080	mg/L		06/17/22 16:35	06/17/22 16:35	1

Lab Sample ID: LCS 580-394222/2-A

Matrix: Water

Analysis Batch: 394232

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 394222

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.200	0.185		mg/L		92	90 - 110

Lab Sample ID: LCSD 580-394222/3-A

Matrix: Water

Analysis Batch: 394232

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 394222

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.200	0.194		mg/L		97	90 - 110	5	10

Lab Sample ID: 580-114910-A-1-B MS

Matrix: Water

Analysis Batch: 394232

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 394222

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	ND	F1	0.200	0.145	F1	mg/L		72	90 - 110

Lab Sample ID: 580-114910-A-1-C MSD

Matrix: Water

Analysis Batch: 394232

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 394222

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	ND	F1	0.200	0.152	F1	mg/L		76	90 - 110	5	10

Lab Chronicle

Client: McCampbell Analytical, Inc.
Project/Site: 2206950

Job ID: 580-114913-1

Client Sample ID: E-001

Lab Sample ID: 580-114913-1

Date Collected: 06/15/22 10:10

Matrix: Water

Date Received: 06/16/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Distill/CN			394222	06/17/22 16:35	R1K	FGS SEA
Total/NA	Analysis	SM 4500 CN E		1	394232	06/17/22 16:35	R1K	FGS SEA

Laboratory References:

FGS SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: McCampbell Analytical, Inc.
Project/Site: 2206950

Job ID: 580-114913-1

Laboratory: Eurofins Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2954	07-07-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 CN E	Distill/CN	Water	Cyanide, Total
Washington	State	C788	07-13-22

Sample Summary

Client: McCampbell Analytical, Inc.
Project/Site: 2206950

Job ID: 580-114913-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-114913-1	E-001	Water	06/15/22 10:10	06/16/22 09:45

1

2

3

4

5

6

7

8

9

10

11

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: 2206950

ClientCode: PGEA

EDF: NO

Subcontractor:

Eurofins TestAmerica
5755 8th Street East

QC Level: LEVEL 2

Project Name: Quarterly Sampling (June 2022)

Tacoma, WA 98424

Project Number: 2206950

TEL: (949) 333-9055

MAI Lab ID	ClientSampID	Source Name	PS Code	Matrix	Collection Date	TAT	Requested Tests (see Legend below)					
							1	2	3	4	5	6
2206950-002D	E-001			Water	6/15/2022 10:10	STD	1					

Test Legend:

1	SM4500-CN CE (Cyanide, Total)	2		3	
4		5		6	

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

STANDARD TAT

CYANIDE SM4500



580-114913 Chain of Custody

Please email results to at subdata@mcccampbell.com upon completion.

Date/Time

Date/Time

Relinquished by:

6-16-22

Received by:

6/16/22 945

Relinquished by:

Received by:

Styro/wet/Bub
IR9 CND

IR9 C.4/6.0

Login Sample Receipt Checklist

Client: McCampbell Analytical, Inc.

Job Number: 580-114913-1

Login Number: 114913

List Source: Eurofins Seattle

List Number: 1

Creator: Vallelunga, Diana L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

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



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2206A62

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 2022)

Project Received: 06/15/2022

Analytical Report reviewed & approved for release on 06/22/2022 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: 2206A62

Project: pH Sampling (June 2022)

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 m 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
L L	Lowest quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TE	Toxicity Equivalents
T A	Time one Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



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

Analytical Report

Client: PG&E Gateway Generating Station

Date Received: 06/15/2022 12:08

Date Prepared: 06/14/2022

Project: pH Sampling (June 2022)

WorkOrder: 2206A62

Extraction Method: SM4500H+B-2000

Analytical Method: SM4500H+B

Unit: pH units

pH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2206A62-001A	Water	06/14/2022 09:03	WetChem	248095

Analytes	Result	Accuracy	DF	Date Analyzed
pH	8.96	0.05	1	06/14/2022 09:03

Analyst(s): JRA



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Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 06/14/2022
Date Analyzed: 06/14/2022
Instrument: WetChem
Matrix: Water
Project: pH Sampling (June 2022)

WorkOrder: 2206A62
BatchID: 248095
Extraction Method: SM4500H+B-2000
Analytical Method: SM4500H+B
Unit: pH units
Sample ID: CCV-248095

QC Summary Report for pH

Analyte	CCV Result	CCV Limits
pH	7.00	6.9-7.1

McC Campbell Analytical, Inc.



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

☐ WaterTrax

☐ CLIP

☐ EDF

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2206A62

ClientCode: PGEA

☐ E uIS

☐ 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 2022)

Bill to:

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

Re uested TAT: 5 days;

Date Received: 06/15/2022

Date Logged: 06/15/2022

Lab ID	ClientSampID	Matri	Collection Date	Hold	Re uested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2206A62-001	E-001	Water	6/14/2022 09:03	<input type="checkbox"/>	A	A										

Test Legend:

1	PH W SAN IV
5	
9	

2	PRDisposal Fee
6	
10	

3	
7	
11	

4	
8	
12	

Prepared by: Adrianna Cardoza

Comments:

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

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: pH Sampling (June 2022)

Work Order: 2206A62

Client Contact: Sanjiv Gill

QC Level: LEVEL 2

Contact's Email: sanjivgill@comcast.net

Comments:
Date Logged: 6/15/2022

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ E uIS ☒ Email ☐ HardCopy ☐ ThirdParty ☐ U-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001	Water	SM4500H+B (Field pH)	1	<Not Received>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6/14/2022 9:03	5 days	6/22/2022		<input type="checkbox"/>	<input type="checkbox"/>

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

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

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

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

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

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

RUSH

24 HR

48 HR

72 HR

5 DAY

GeoTracker EDF

PDF

Exce

Write

Write On (DW) ☐

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

Report To: Sanjay Gill

Bill To: Muskan Environmental

Company: PG&E Gateway Generating Station

E-Mail: sanjivgill@comcast.net

Tel: (408) 666-4494 (Cell)

Fax: ()

Project Name: pH Sampling (June 2022)

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

Sampler Signature: Muska Environmental Sampling

[illegible]

2206A62

Logbook for Field pH Samples

[illegible]



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

Client Supplied pH Data

Client Name: **PG&E Gateway Generating Station**
Project: **pH Sampling (une 2022)**

WorkOrder No: **2206A62**

SampleID	ClientSampleID	pH
2206A62-001A	E-001	8.96 analyzed: 6/14/2022 9:04:00 AM



Sample Receipt Checklist

Client Name: **PG&E Gateway Generating Station**
Project: **pH Sampling (June 2022)**

Date and Time Received: **6/15/2022 12:08**

Date Logged: **6/15/2022**

Received by: **Adrianna Cardoza**

Logged by: **Adrianna Cardoza**

WorkOrder No: **2206A62** 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 note?	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 type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
(Ice Type: WET ICE)			
Sample/Temp Blank temperature	Temp: 4 C		NA <input type="checkbox"/>
HS 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 (pH) was received past its 0.01-day holding time. Method SM4500H+B (Field pH) was received past its 0.25-day holding time.

Attachment 9
Annual Flowmeter Calibration

Gateway Generating Station
Annual Flowmeter Accuracy Test

Name and Signature of Tester: Cesar Valdez

Date of Test: 6-23-2022

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

Flowmeter ID	Coil Resistance Check		Flow Tube Resistance Check		
	Reading (ohm/s)	Within +/- 10% (Y/N)?	Electrode A Reading (ohm/s)	Electrode A Reading (ohm/s)	Within 20% Difference (Y/N)?
Industrial Wastewater Flowmeter Tag No. 8WWC-FM-X001 Model No. Yokogawa AXF-100C Coil Resistance Value: 113.4 ohms	117.2 Ω	yes	182 Ω	192 Ω	yes
Sanitary Wastewater Flowmeter Tag No. 8WWB-FM-X001 Model No. Yokogawa AXF 650C Coil Resistance Value: 116.8 ohms	113.8 Ω	yes	89 Ω	97 Ω	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 10, 2022

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, 2022)

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, 2022, 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, Monthly Flow, WSAC Operating Months Report, Cycles of Concentration, and Copy of Laboratory Results.

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

Sincerely,

Tim Wisdom

Tim Wisdom
Senior Plant Manager

Attachment: a/s

*Received
10/12/22
11:22 am
[Signature]*

Public

Pacific Gas and Electric Company
Gateway Generating Station

Quarterly Self-Monitoring Report

For the reporting period ending in September 30, 2022

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, 2023.

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, 2022

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

Signature: Tim Wisdom Date: Oct. 10, 2022

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 September 30, 2022

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	8/30/2022	8/31/2022	8/31/2022	8/31/2022				
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-annually (SA2)				

Units: mg/L

PARAMETERS	LIMITS								
FLOW, DAILY (gal)	51,120								
FLOW, MONTH (gal)									
pH	6-10 s.u.	8.4							
BOD				4.4					
COD				44.0					
TDS				674.0					
TSS				3.2					
Arsenic	0.15			0.00098					
Cadmium	0.1			ND(<0.0005)					
Chromium	0.5			0.00061					
Copper	0.5			0.0098					
Iron				0.31					
Lead	0.5			ND(<0.0005)					
Mercury	0.003			ND(<0.0002)					
Molybdenum				0.025					
Nickel	0.5			0.0021					
Selenium	0.25			ND(<0.0005)					
Silver	0.2			ND(<0.0005)					
Zinc	1.00			0.270					
Cyanide	0.2		0.0019						
Phenol	1.00		0.0021						
Ammonia	200		44						
O&G Petro/Min (E1664A w/ Silica)	100	6.8	ND (<4.7)						
O&G Animal/Vegetable Oil	300	0	ND (<4.7)						
TTO EPA 608					ND(<0.0004)				
TTO EPA 624					0.001092				
TTO EPA 625					0.003123				
TTO	2.00				0.004215				
Sulfide									
Sulfate									

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

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

Attachment 4
Discharge Flow Data

PG&E Gateway Generating Station

Discharge Flow Data

July 2022-September 2022

Date	Industrial Flow				Sanitary Flow				Site Total (Gallons)
	Instantaneous Flow (GPM)	Time Over 35.5 GPM (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	Instantaneous Flow (GPM)	Time Meter went Bad Quality (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	
7/1/2022	34.8	0.0	NO	32,518	0.0	0	NO		32,518
7/2/2022	35.0	0.0	NO	27,315	0.0	0	NO		27,315
7/3/2022	34.8	0.0	NO	13,355	0.0	0	NO		13,355
7/4/2022	34.8	0.0	NO	15,190	0.0	0	NO		15,190
7/5/2022	34.7	0.0	NO	29,201	26.9	0	NO	348	29,549
7/6/2022	34.9	0.0	NO	43,519	0.0	0	NO		43,519
7/7/2022	35.0	0.0	NO	35,943	0.0	0	NO		35,943
7/8/2022	34.8	1.0	NO	44,348	27.1	2	NO	360	44,708
7/9/2022	34.7	0.0	NO	22,041	0.0	0	NO		22,041
7/10/2022	34.9	0.0	NO	37,525	0.0	0	NO		37,525
7/11/2022	34.9	0.0	NO	37,272	0.0	0	NO		37,272
7/12/2022	34.6	0.0	NO	28,212	27.1	0	NO	352	28,564
7/13/2022	35.0	0.0	NO	24,421	0.0	0	NO		24,421
7/14/2022	34.8	0.0	NO	33,160	26.5	0	NO	346	33,506
7/15/2022	34.8	0.0	NO	39,259	0.1	0	NO		39,259
7/16/2022	34.5	0.0	NO	45,157	0.0	0	NO		45,157
7/17/2022	34.6	0.0	NO	47,225	27.8	0	NO	330	47,554
7/18/2022	34.7	0.0	NO	44,008	0.0	0	NO		44,008
7/19/2022	34.7	0.0	NO	39,513	0.0	0	NO		39,513
7/20/2022	34.6	0.0	NO	44,416	26.8	0	NO	359	44,774
7/21/2022	34.5	0.0	NO	42,012	0.0	0	NO		42,012
7/22/2022	34.5	0.0	NO	48,224	26.5	0	NO	349	48,573
7/23/2022	34.5	0.0	NO	43,877	0.0	0	NO		43,877
7/24/2022	34.7	0.0	NO	49,026	0.0	0	NO		49,026
7/25/2022	34.4	0.0	NO	34,518	27.1	0	NO	356	34,874
7/26/2022	34.7	0.0	NO	35,241	0.0	0	NO		35,241
7/27/2022	34.4	0.0	NO	48,644	25.6	0	NO	347	48,991
7/28/2022	34.5	0.0	NO	39,264	0.0	0	NO		39,264
7/29/2022	34.8	0.0	NO	38,395	26.1	0	NO	358	38,753
7/30/2022	34.6	0.0	NO	14,233	0.0	0	NO		14,233
7/31/2022	34.7	0.0	NO	20,388	0.0	0	NO		20,388

Max Daily Flow (Limit: 51,120):

49,026

Monthly Total:

1,100,925

8/1/2022	34.9	0.0	NO	36,960	25.9	0	NO	347	37,307
8/2/2022	34.9	0.0	NO	28,894	0.0	0	NO		28,894
8/3/2022	35.3	0.0	NO	27,590	26.8	0	NO	343	27,934
8/4/2022	34.8	0.0	NO	43,118	0.0	0	NO		43,118
8/5/2022	34.6	0.0	NO	48,640	26.2	0	NO	346	48,985
8/6/2022	35.1	0.0	NO	45,989	0.0	0	NO		45,989
8/7/2022	34.8	0.0	NO	39,828	0.0	0	NO		39,828
8/8/2022	34.5	1.0	NO	46,952	0.0	2	NO		46,952
8/9/2022	34.5	0.0	NO	46,958	25.8	0	NO	355	47,313
8/10/2022	34.8	0.0	NO	36,101	27.5	0	NO	355	36,457
8/11/2022	34.9	0.0	NO	36,486	0.0	0	NO		36,486
8/12/2022	34.6	0.0	NO	21,413	28.1	0	NO	361	21,773
8/13/2022	34.9	0.0	NO	35,770	0.0	0	NO		35,770
8/14/2022	35.0	0.0	NO	45,064	0.0	0	NO		45,064
8/15/2022	34.9	0.0	NO	26,428	0.0	0	NO		26,428
8/16/2022	34.8	0.0	NO	28,771	27.0	0	NO	363	29,135
8/17/2022	34.6	0.0	NO	43,971	0.0	0	NO		43,971
8/18/2022	35.0	0.0	NO	30,683	26.2	0	NO	348	31,031
8/19/2022	34.8	0.0	NO	30,692	0.0	0	NO		30,692

Public

PG&E Gateway Generating Station

Discharge Flow Data

July 2022-September 2022

Date	Industrial Flow				Sanitary Flow				Site Total (Gallons)
	Instantaneous Flow (GPM)	Time Over 35.5 GPM (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	Instantaneous Flow (GPM)	Time Meter went Bad Quality (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	
8/20/2022	34.8	0.0	NO	32,650	0.0	0	NO		32,650
8/21/2022	34.5	0.0	NO	45,827	0.0	0	NO		45,827
8/22/2022	34.4	0.0	NO	48,423	27.8	0	NO	372	48,795
8/23/2022	34.8	0.0	NO	27,421	0.0	0	NO		27,421
8/24/2022	34.7	0.0	NO	39,497	27.2	0	NO	349	39,846
8/25/2022	35.2	0.0	NO	36,141	27.7	0	NO	363	36,505
8/26/2022	34.7	0.0	NO	47,131	0.0	0	NO		47,131
8/27/2022	34.8	10.0	NO	43,259	0.0	10	NO		43,259
8/28/2022	34.5	0.0	NO	45,504	0.0	0	NO		45,504
8/29/2022	34.5	0.0	NO	25,654	28.7	0	NO	369	26,022
8/30/2022	34.4	0.0	NO	28,703	24.7	0	NO	234	28,937
8/31/2022	34.5	0.0	NO	49,024	0.0	0	NO		49,024

Max Daily Flow (Limit: 51,120): 49,024

Monthly Total: 1,174,046

9/1/2022	34.5	0.0	NO	40,577	28.0	0	NO	376	40,953
9/2/2022	34.9	0.0	NO	22,580	0.0	0	NO		22,580
9/3/2022	35.1	0.0	NO	27,834	0.0	0	NO		27,834
9/4/2022	34.9	0.0	NO	42,602	25.9	0	NO	365	42,967
9/5/2022	34.9	0.0	NO	32,673	0.1	0	NO		32,673
9/6/2022	34.8	0.0	NO	33,342	0.0	0	NO		33,342
9/7/2022	34.7	0.0	NO	43,980	28.4	0	NO	393	44,373
9/8/2022	34.5	1.0	NO	46,541	28.4	2	NO	780	47,321
9/9/2022	34.8	0.0	NO	35,974	0.0	0	NO		35,974
9/10/2022	35.0	0.0	NO	36,306	0.0	0	NO		36,306
9/11/2022	34.5	0.0	NO	46,980	26.8	0	NO	378	47,358
9/12/2022	34.8	0.0	NO	47,820	0.1	0	NO		47,820
9/13/2022	34.6	0.0	NO	44,712	26.4	0	NO	370	45,082
9/14/2022	34.6	0.0	NO	20,686	0.1	0	NO		20,686
9/15/2022	34.8	0.0	NO	6,549	25.3	0	NO	350	6,899
9/16/2022	34.8	0.0	NO	14,350	0.0	0	NO		14,350
9/17/2022	34.9	0.0	NO	23,348	0.0	0	NO		23,348
9/18/2022	34.7	0.0	NO	39,466	0.0	0	NO		39,466
9/19/2022	34.6	0.0	NO	22,540	0.0	0	NO		22,540
9/20/2022	34.7	0.0	NO	14,453	0.0	0	NO		14,453
9/21/2022	34.7	0.0	NO	14,743	27.8	0	NO	656	15,400
9/22/2022	34.6	0.0	NO	22,641	27.7	0	NO	393	23,034
9/23/2022	34.8	0.0	NO	22,420	0.0	0	NO		22,420
9/24/2022	35.0	0.0	NO	24,158	0.0	0	NO		24,158
9/25/2022	35.0	0.0	NO	28,548	0.1	0	NO		28,548
9/26/2022	34.7	0.0	NO	26,066	27.3	0	NO	396	26,462
9/27/2022	34.7	0.0	NO	25,624	0.0	0	NO		25,624
9/28/2022	34.8	0.0	NO	29,327	28.2	0	NO	392	29,718
9/29/2022	34.7	0.0	NO	23,203	0.0	0	NO		23,203
9/30/2022	34.5	0.0	NO	19,144	0.0	0	NO		19,144

Max Daily Flow (Limit: 51,120): 47,820

Monthly Total: 884,037

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: **2022**

Month	Flow (gallons)	Due Date
January		
February		
March		
April		
May		
June		
July	1,100,925	10/15/2022
August	1,174,046	10/15/2022
September	884,037	10/15/2022
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 2022 to September 2022

WSAC Operation	
Month	Hours of Operation
January-22	
February-22	
March-22	
April-22	
May-22	
June-22	
July-22	337.92
August-22	389.17
September-22	380.75
October-22	
November-22	
December-22	

Attachment 7
Cycles of Concentration

PG&E Gateway Generating Station

WSAC Average Daily Blowdown Cycles Report
July 2022 to September 2022

WSAC Operation	
Month	Average Daily Blowdown Cycles
January-22	
February-22	
March-22	
April-22	
May-22	
June-22	
July-22	2.12
August-22	2.83
September-22	2.75
October-22	
November-22	
December-22	

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: 2208M31

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Angel Espiritu

Project P.O.:

Project: Quarterly Sampling (August 2022)

Project Received: 08/31/2022

Analytical Report reviewed & approved for release on 09/09/2022 by:

Susan Thompson
Project Manager

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





Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2208M31

Project: Quarterly Sampling (August 2022)

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
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
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



McC Campbell Analytical, Inc.
"When Quality Counts"

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

Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 08/31/2022 12:22
Date Prepared: 09/06/2022
Project: Quarterly Sampling (August 2022)

WorkOrder: 2208M31
Extraction Method: E1664A_SG
Analytical Method: E1664A
Unit: mg/L

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2208M31-001A	Water	08/30/2022 08:47	O&G	253387

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
SGT-HEM	6.8	5.0	1	09/07/2022 16:00

Analyst(s): HN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2208M31-002A	Water	08/31/2022 10:35	O&G	253387

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
SGT-HEM	ND	4.7	1	09/07/2022 16:05

Analyst(s): HN



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

Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 08/31/2022 12:22
Date Prepared: 09/01/2022
Project: Quarterly Sampling (August 2022)

WorkOrder: 2208M31
Extraction Method: E1664A
Analytical Method: E1664A
Unit: mg/L

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2208M31-001B	Water	08/30/2022 08:47	O&G	253117

Analytes	Result	RL	DF	Date Analyzed
HEM	6.1	5.0	1	09/02/2022 14:40

Analyst(s): HN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2208M31-002B	Water	08/31/2022 10:35	O&G	253117

Analytes	Result	RL	DF	Date Analyzed
HEM	ND	4.7	1	09/02/2022 14:45

Analyst(s): HN



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"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

Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 08/31/2022 12:22
Date Prepared: 09/01/2022
Project: Quarterly Sampling (August 2022)

WorkOrder: 2208M31
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	2208M31-002C	Water	08/31/2022 10:35	WC_SKALAR 2209091A1_62	253123

Analytes	Result	RL	DE	Date Analyzed
Ammonia, total as N	44	1.0	10	09/01/2022 11:58

Analyst(s): CC



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"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

Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 08/31/2022 12:22
Date Prepared: 09/01/2022
Project: Quarterly Sampling (August 2022)

WorkOrder: 2208M31
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	2208M31-003A	Water	08/31/2022 10:20	WetChem	253119

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
BOD	4.4	4.1	1.02	09/06/2022 13:38

Analyst(s): MGO



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 08/31/2022 12:22
Date Prepared: 09/01/2022
Project: Quarterly Sampling (August 2022)

WorkOrder: 2208M31
Extraction Method: SM4500-CN⁻ E
Analytical Method: SM4500-CN⁻ CE
Unit: µg/L

Cyanide, Total

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2208M31-002D	Water	08/31/2022 10:35	WC_Skalar3 TCN220901A1_5	253173

Analytes	Result	RL	DE	Date Analyzed
Total Cyanide	1.9	1.0	1	09/01/2022 13:47

Analyst(s): CC



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 08/31/2022 12:22
Date Prepared: 09/07/2022
Project: Quarterly Sampling (August 2022)

WorkOrder: 2208M31
Extraction Method: SM5220 D-1997
Analytical Method: SM5220 D-1997
Unit: mg/L

Chemical Oxygen Demand (COD) as mg O₂ /L

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2208M31-003B	Water	08/31/2022 10:20	SPECTROPHOTOMETER2	253401

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
COD	44	10	1	09/07/2022 10:38

Analyst(s): RB



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 08/31/2022 12:22
Date Prepared: 09/01/2022
Project: Quarterly Sampling (August 2022)

WorkOrder: 2208M31
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	2208M31-003E	Water	08/31/2022 10:20	AA1 _07	253118

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Mercury	ND	0.20	1	09/01/2022 14:59

Analyst(s): DMA



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 08/31/2022 12:22
Date Prepared: 08/31/2022
Project: Quarterly Sampling (August 2022)

WorkOrder: 2208M31
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	2208M31-003F	Water	08/31/2022 10:20		ICP-MS2 023SMPL.D	252936
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>	
Arsenic	0.98		0.50	1	09/01/2022 22:01	
Cadmium	ND		0.50	1	09/01/2022 22:01	
Chromium	0.61		0.50	1	09/01/2022 22:01	
Copper	9.8		1.5	1	09/01/2022 22:01	
Iron	310		50	1	09/01/2022 22:01	
Lead	ND		0.50	1	09/01/2022 22:01	
Molybdenum	25		0.50	1	09/01/2022 22:01	
Nickel	2.1		0.50	1	09/01/2022 22:01	
Selenium	ND		0.50	1	09/01/2022 22:01	
Silver	ND		0.50	1	09/01/2022 22:01	
Zinc	270		20	1	09/01/2022 22:01	
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>			
Terbium	106		70-130		09/01/2022 22:01	
<u>Analyst(s):</u>	MIG					



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 08/31/2022 12:22
Date Prepared: 09/02/2022
Project: Quarterly Sampling (August 2022)

WorkOrder: 2208M31
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	2208M31-002C	Water	08/31/2022 10:35	WC_SKALAR 090222a1_30	253255

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Phenolics	2.1	2.0	1	09/02/2022 12:37

Analyst(s): RB



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 08/31/2022 12:22
Date Prepared: 09/01/2022
Project: Quarterly Sampling (August 2022)

WorkOrder: 2208M31
Extraction Method: SM2540 C-1997
Analytical Method: SM2540 C-1997
Unit: mg/L

Total Dissolved Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2208M31-003C	Water	08/31/2022 10:20	WetChem	253202

Analytes	Result	RL	DE	Date Analyzed
Total Dissolved Solids	674	10.0	1	09/02/2022 12:25

Analyst(s): MGO



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 08/31/2022 12:22
Date Prepared: 09/02/2022
Project: Quarterly Sampling (August 2022)

WorkOrder: 2208M31
Extraction Method: SM2540 D-1997
Analytical Method: SM2540 D-1997
Unit: mg/L

Total Suspended Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2208M31-003D	Water	08/31/2022 10:20	WetChem	253121

Analytes	Result	RL	DE	Date Analyzed
Total Suspended Solids	3.20	1.00	1	09/02/2022 12:00

Analyst(s): JRA

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

09/07/2022

Date Analyzed:

09/07/2022

Instrument:

O&G

Matrix:

Water

Project:

Quarterly Sampling (August 2022)

WorkOrder:

2208M31

BatchID:

253387

Extraction Method:

E1664A_SG

Analytical Method:

E1664A

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-253387

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL
SGT-HEM	ND	0.72	5.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
SGT-HEM	8.9	8.5	10.42	86	82	64-132	4.61	30



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2208M31
Date Prepared:	09/01/2022	BatchID:	253117
Date Analyzed:	09/01/2022	Extraction Method:	E1664A
Instrument:	O&G	Analytical Method:	E1664A
Matrix:	Water	Unit:	mg/L
Project:	Quarterly Sampling (August 2022)	Sample ID:	MB/LCS/LCSD-253117

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL
HEM	ND	1.3	5.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
HEM	18	18	20.83	85	87	78-114	2.86	30

Quality Control Report

Client: PG&E Gateway Generating Station

Date Prepared: 09/01/2022

Date Analyzed: 09/01/2022

Instrument: WC_SKALAR

Matrix: Water

Project: Quarterly Sampling (August 2022)

WorkOrder: 2208M31

BatchID: 253123

Extraction Method: SM4500-NH3 BG

Analytical Method: SM4500-NH3 BG

Unit: mg/L

Sample ID: MB/LCS/LCSD-253123

QC Summary Report for SM4500-NH3

Analyte	MB Result	MDL	RL
Ammonia, total as N	ND	0.096	0.10

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Ammonia, total as N	4.0	4.4	4	100	109	88-113	20

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

09/01/2022

Date Analyzed:

09/06/2022

Instrument:

WetChem

Matrix:

Water

Project:

Quarterly Sampling (August 2022)

WorkOrder:

2208M31

BatchID:

253119

Extraction Method:

SM5210B

Analytical Method:

SM5210 B

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-253119

QC Summary Report for BOD

Analyte	MB Result	MDL	RL
BOD	ND	4.0	4.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
BOD	200	190	198	102	96	80-120	5.87	16

Quality Control Report

Client: PG&E Gateway Generating Station

Date Prepared: 09/01/2022

Date Analyzed: 09/01/2022

Instrument: WC_Skalar3

Matrix: Water

Project: Quarterly Sampling (August 2022)

WorkOrder: 2208M31

BatchID: 253173

Extraction Method: SM4500-CN⁻ E

Analytical Method: SM4500-CN⁻ CE

Unit: µg/L

Sample ID: MB/LCS/LCSD-253173

QC Summary Report for SM4500-CN⁻ CE

Analyte	MB Result	MDL	RL
Total Cyanide	ND	0.59	1.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Cyanide	51	50	50	102	100	90-110	2.03	20

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2208M31
Date Prepared:	09/07/2022	BatchID:	253401
Date Analyzed:	09/07/2022	Extraction Method:	SM5220 D-1997
Instrument:	SPECTROPHOTOMETER2	Analytical Method:	SM5220 D-1997
Matrix:	Water	Unit:	mg/L
Project:	Quarterly Sampling (August 2022)	Sample ID:	MB/LCS/LCSD-253401

QC Summary Report for COD

Analyte	MB Result	MDL	RL
COD	ND	9.5	10

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
COD	92	100	100	92	104	90-110	12.2	20



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2208M31
Date Prepared:	09/01/2022	BatchID:	253118
Date Analyzed:	09/01/2022	Extraction Method:	E245.2
Instrument:	AA1	Analytical Method:	E245.2
Matrix:	Water	Unit:	µg/L
Project:	Quarterly Sampling (August 2022)	Sample ID:	MB/LCS/LCSD-253118 2208M31-003EMS/MSD

QC Summary Report for Mercury

Analyte	MB Result	MDL	RL
Mercury	ND	0.13	0.20

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Mercury	2.0	2.0	2	102	100	85-115	1.85

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD Limit
Mercury	1	2.1	2.0	2	ND	104	99	80-120	5.44



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2208M31
Date Prepared:	08/31/2022	BatchID:	252936
Date Analyzed:	08/31/2022	Extraction Method:	E200.8
Instrument:	ICP-MS5	Analytical Method:	E200.8
Matrix:	Water	Unit:	µg/L
Project:	Quarterly Sampling (August 2022)	Sample ID:	MB/LCS/LCSD-252936

QC Summary Report for Metals

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

Surrogate Recovery

Terbium	540	500	108	70-130
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Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Arsenic	53	53	50	105	107	85-115	1.50 20
Cadmium	52	52	50	104	105	85-115	0.874 20
Chromium	51	52	50	102	104	85-115	1.64 20
Copper	51	53	50	103	106	85-115	2.74 20
Iron	5000	5100	5000	100	101	85-115	1.15 20
Lead	52	52	50	103	104	85-115	0.482 20
Molybdenum	55	55	50	109	109	85-115	0.368 20
Nickel	52	53	50	104	106	85-115	2.07 20
Selenium	53	54	50	107	109	85-115	1.84 20
Silver	51	51	50	102	102	85-115	0.106 20
Zinc	530	530	500	105	107	85-115	1.61 20

Surrogate Recovery

Terbium	540	530	500	107	107	70-130	0.325 20
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Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2208M31
Date Prepared:	09/02/2022	BatchID:	253255
Date Analyzed:	09/02/2022	Extraction Method:	E420.4
Instrument:	WC_SKALAR	Analytical Method:	E420.4
Matrix:	Water	Unit:	µg/L
Project:	Quarterly Sampling (August 2022)	Sample ID:	MB/LCS/LCSD-253255

QC Summary Report for E420.4

Analyte	MB Result	MDL	RL
Phenolics	ND	1.4	2.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Phenolics	40	41	40	101	103	80-120	2:31	20

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

09/01/2022

Date Analyzed:

09/02/2022

Instrument:

WetChem

Matrix:

Water

Project:

Quarterly Sampling (August 2022)

WorkOrder:

2208M31

BatchID:

253202

Extraction Method:

SM2540 C-1997

Analytical Method:

SM2540 C-1997

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-253202

QC Summary Report for Total Dissolved Solids

Analyte	MB Result	MDL	RL
Total Dissolved Solids	ND	10.0	10.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Total Dissolved Solids	998	1000	1000	100	100	80-120	0.599
							10

Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/01/2022
Date Analyzed: 09/01/2022
Instrument: WetChem
Matrix: Water
Project: Quarterly Sampling (August 2022)

WorkOrder: 2208M31
BatchID: 253121
Extraction Method: SM2540 D-1997
Analytical Method: SM2540 D-1997
Unit: mg/L
Sample ID: MB/LCS/LCSD-253121

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	95.0	95.0	100	95	95	80-120	0	10

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CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2208M31

ClientCode: PGEA

☐ WaterTrax

☐ CLIP

☐ EDF

☐ EQuIS

☐ Dry-Weight

☒ Email

☐ HardCopy

☐ ThirdParty

☐ J-flag

☐ Detection Summary

☐ Excel

Report to:

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

Email: abe4@pge.com
cc/3rd Party: a1he@pge.com; j5ld@pge.com; tlwy@pge.
PO:
Project: Quarterly Sampling (August 2022)

Bill to:

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

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

Date Received: **08/31/2022**

Date Logged: **08/31/2022**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2208M31-001	E-001 Grab	Water	8/30/2022 08:47	<input type="checkbox"/>	A	B								A		
2208M31-002	E-001 Grab	Water	8/31/2022 10:35	<input type="checkbox"/>	A	B	C		D				C	A		
2208M31-003	E-001 Comp	Water	8/31/2022 10:20	<input type="checkbox"/>				A		B	E	F		A	C	D

Test Legend:

1	1664A_SG_W
5	CN_SM4500CE_W
9	PHENOLICS_W

2	1664A_W
6	COD_W
10	PRDisposal Fee

3	AMMONIA-SM4500BG_W
7	HG_W
11	TDS_W

4	BOD_W
8	METALSMS_TTLC_W
12	TSS_W

Prepared by: Lilly Ortiz

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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WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Quarterly Sampling (August 2022)

Work Order: 2208M31

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments

Date Logged: 8/31/2022

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☒ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001 Grab	Water	E1664A (SGT- HEM; Non-polar Material)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8/30/2022 8:47	5 days	9/8/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
001B	E-001 Grab	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8/30/2022 8:47	5 days	9/8/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
002A	E-001 Grab	Water	E1664A (SGT- HEM; Non-polar Material)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8/31/2022 10:35	5 days	9/8/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
002B	E-001 Grab	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8/31/2022 10:35	5 days	9/8/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
002C	E-001 Grab	Water	E420.4 (Phenolics)	1	500mL aG w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8/31/2022 10:35	5 days	9/8/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
			SM4500-NH3 BG (Ammonia Nitrogen)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		5 days	9/8/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
002D	E-001 Grab	Water	SM4500-CN ⁻ CE (Cyanide, Total)	1	250mL aHDPE w/ NaOH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8/31/2022 10:35	5 days	9/8/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
003A	E-001 Comp	Water	SM5210B (BOD)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8/31/2022 10:20	7 days	9/12/2022	None	<input type="checkbox"/>	<input type="checkbox"/>
003B	E-001 Comp	Water	SM5220D (COD)	2	aVOA w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8/31/2022 10:20	5 days	9/8/2022	None	<input type="checkbox"/>	<input type="checkbox"/>
003C	E-001 Comp	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8/31/2022 10:20	5 days	9/8/2022	None	<input type="checkbox"/>	<input type="checkbox"/>
003D	E-001 Comp	Water	SM2540D (TSS)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8/31/2022 10:20	5 days	9/8/2022	None	<input type="checkbox"/>	<input type="checkbox"/>

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

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

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

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

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Quarterly Sampling (August 2022)

Work Order: 2208M31

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments
Date Logged: 8/31/2022

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☐ ThirdParty
☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
003E	E-001 Comp	Water	E245.2 (Mercury)	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8/31/2022 10:20	5 days	9/8/2022	None	<input type="checkbox"/>	<input type="checkbox"/>
003F	E-001 Comp	Water	E200.8 (Metals) <Arsenic, Cadmium, Chromium, Copper, Iron, Lead, Molybdenum, Nickel, Selenium, Silver, Zinc>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8/31/2022 10:20	5 days	9/8/2022	None	<input type="checkbox"/>	<input type="checkbox"/>

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

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

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

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



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

Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station
Project: Quarterly Sampling (August 2022)

Date and Time Received: 8/31/2022 12:22

Date Logged: 8/31/2022

Received by: Lilly Ortiz

WorkOrder No: 2208M31 Matrix: Water

Logged by: Lilly Ortiz

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: 1.9°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: 2208M33

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Sanjiv Gill

Project P.O.:

Project: Ph Sampling (August 2022)

Project Received: 08/31/2022

Analytical Report reviewed & approved for release on 09/07/2022 by:

Christine Askari
Project Manager

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Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2208M33

Project: Ph Sampling (August 2022)

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
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
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



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

Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 08/31/2022 12:22
Date Prepared: 08/30/2022
Project: Ph Sampling (August 2022)

WorkOrder: 2208M33
Extraction Method: SM4500H+B-2000
Analytical Method: SM4500H+B
Unit: pH units

pH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2208M33-001A	Water	08/30/2022 08:50	WetChem	253252

Analytes	Result	Accuracy	DF	Date Analyzed
pH	8.40	0.05	1	08/30/2022 08:51

Analyst(s): JRA

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: 2208M33

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 (August 2022)

Bill to:

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

Requested TAT: 5 days;

Date Received: 08/31/2022

Date Logged: 08/31/2022

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2208M33-001	E-001	Water	8/30/2022 08:50	<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: Lilly Ortiz

Comments:

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

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Ph Sampling (August 2022)

Work Order: 2208M33

Client Contact: Sanjiv Gill

QC Level: LEVEL 2

Contact's Email: sanjivgill@comcast.net

Comments
Date Logged: 8/31/2022

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☒ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001	Water	SM4500H+B (Field pH)	0	<NOT RECEIVED>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8/30/2022 8:50	5 days	9/8/2022		<input type="checkbox"/>	<input type="checkbox"/>

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

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

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

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

Page 6 of 7



Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station
Project: Ph Sampling (August 2022)

Date and Time Received: 8/31/2022 12:22

Date Logged: 8/31/2022

Received by: Lilly Ortiz

Logged by: Lilly Ortiz

WorkOrder No: 2208M33 Matrix: Water

Carrier: Client Drop-In

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

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

Sample/Temp Blank temperature

Temp:

NA ☒

ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?

Yes ☐ No ☐

NA ☒

Sample labels checked for correct preservation?

Yes ☒ No ☐

pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?

Yes ☐ No ☐

NA ☒

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?

Yes ☐ No ☐

NA ☒

Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?

Yes ☐ No ☐

NA ☒

Comments: Method SM4500H+B (Field pH) was received past its 0.25-day holding time.

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



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2208M32

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 (August 2022)

Project Received: 08/31/2022

Analytical Report reviewed & approved for release on 09/08/2022 by:

Yen Cao

Project Manager

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Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2208M32

Project: Semi-Annual Sampling (August 2022)

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
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
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station
Project: Semi-Annual Sampling (August 2022)

WorkOrder: 2208M32

Analytical Qualifiers

S	Surrogate recovery outside accepted recovery limits.
a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.
c1	Surrogate recovery outside of the control limits due to the dilution of the sample.
c4	Surrogate recovery outside of the control limits due to coelution with another peak(s) / cluttered chromatogram.

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.



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

Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 08/31/2022 12:22
Date Prepared: 09/02/2022
Project: Semi-Annual Sampling (August 2022)

WorkOrder: 2208M32
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	2208M32-001D	Water	08/31/2022 10:35	GC40 09072231.d	253222

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.020	20	09/07/2022 14:56
a-BHC	ND	0.020	20	09/07/2022 14:56
b-BHC	ND	0.020	20	09/07/2022 14:56
d-BHC	ND	0.020	20	09/07/2022 14:56
g-BHC	ND	0.020	20	09/07/2022 14:56
Chlordane (Technical)	ND	0.40	20	09/07/2022 14:56
p,p-DDD	ND	0.020	20	09/07/2022 14:56
p,p-DDE	ND	0.020	20	09/07/2022 14:56
p,p-DDT	ND	0.020	20	09/07/2022 14:56
Dieldrin	ND	0.020	20	09/07/2022 14:56
Endosulfan I	ND	0.020	20	09/07/2022 14:56
Endosulfan II	ND	0.020	20	09/07/2022 14:56
Endosulfan sulfate	ND	0.040	20	09/07/2022 14:56
Endrin	ND	0.020	20	09/07/2022 14:56
Endrin aldehyde	ND	0.020	20	09/07/2022 14:56
Heptachlor	ND	0.020	20	09/07/2022 14:56
Heptachlor epoxide	ND	0.020	20	09/07/2022 14:56
Toxaphene	ND	0.40	20	09/07/2022 14:56
Aroclor1016	ND	0.40	20	09/07/2022 14:56
Aroclor1221	ND	0.40	20	09/07/2022 14:56
Aroclor1232	ND	0.40	20	09/07/2022 14:56
Aroclor1242	ND	0.40	20	09/07/2022 14:56
Aroclor1248	ND	0.40	20	09/07/2022 14:56
Aroclor1254	ND	0.40	20	09/07/2022 14:56
Aroclor1260	ND	0.40	20	09/07/2022 14:56
PCBs, total	ND	0.40	20	09/07/2022 14:56

Surrogates	REC (%)	Qualifiers	Limits	
Decachlorobiphenyl	154	S	60-130	09/07/2022 14:56

Analyst(s): CN

Analytical Comments: a3,c4

Analytical Report

Client: PG&E Gateway Generating Station

Date Received: 08/31/2022 12:22

Date Prepared: 08/31/2022

Project: Semi-Annual Sampling (August 2022)

WorkOrder: 2208M32

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	2208M32-001B	Water	08/31/2022 10:35	GC10 08302232.D	253125
Analytes					
Acrolein (Propenal)	ND	5.0	1	08/31/2022 16:31	
Acrylonitrile	ND	2.0	1	08/31/2022 16:31	
2-Chloroethyl Vinyl Ether	ND	1.0	1	08/31/2022 16:31	
Surrogates					
Dibromofluoromethane	84	REC (%)	Limits	70-130	08/31/2022 16:31
Analyst(s): LT					



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 08/31/2022 12:22
Date Prepared: 09/03/2022
Project: Semi-Annual Sampling (August 2022)

WorkOrder: 2208M32
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	2208M32-001A	Water	08/31/2022 10:35	GC45 09022230.D	253232

Analytes	Result	RL	DE	Date Analyzed
Benzene	ND	0.20	1	09/03/2022 02:32
Bromodichloromethane	1.0	0.050	1	09/03/2022 02:32
Bromoform	8.5	0.50	1	09/03/2022 02:32
Bromomethane	ND	0.50	1	09/03/2022 02:32
Carbon tetrachloride	ND	0.050	1	09/03/2022 02:32
Chlorobenzene	ND	0.50	1	09/03/2022 02:32
Chloroethane	ND	0.50	1	09/03/2022 02:32
Chloroform	0.45	0.10	1	09/03/2022 02:32
Chloromethane	ND	0.50	1	09/03/2022 02:32
Dibromochloromethane	0.97	0.15	1	09/03/2022 02:32
1,2-Dichlorobenzene	ND	0.50	1	09/03/2022 02:32
1,3-Dichlorobenzene	ND	0.50	1	09/03/2022 02:32
1,4-Dichlorobenzene	ND	0.50	1	09/03/2022 02:32
1,1-Dichloroethane	ND	0.50	1	09/03/2022 02:32
1,2-Dichloroethane (1,2-DCA)	ND	0.020	1	09/03/2022 02:32
1,1-Dichloroethene	ND	0.010	1	09/03/2022 02:32
trans-1,2-Dichloroethene	ND	0.50	1	09/03/2022 02:32
1,2-Dichloropropane	ND	0.20	1	09/03/2022 02:32
cis-1,3-Dichloropropene	ND	0.50	1	09/03/2022 02:32
trans-1,3-Dichloropropene	ND	0.50	1	09/03/2022 02:32
Ethylbenzene	ND	0.50	1	09/03/2022 02:32
Methylene chloride	ND	2.0	1	09/03/2022 02:32
1,1,2,2-Tetrachloroethane	ND	0.020	1	09/03/2022 02:32
Tetrachloroethene	ND	0.20	1	09/03/2022 02:32
Toluene	ND	0.50	1	09/03/2022 02:32
1,1,1-Trichloroethane	ND	0.50	1	09/03/2022 02:32
1,1,2-Trichloroethane	ND	0.20	1	09/03/2022 02:32
Trichloroethene	ND	0.50	1	09/03/2022 02:32
Trichlorofluoromethane	ND	0.50	1	09/03/2022 02:32
Vinyl chloride	ND	0.0050	1	09/03/2022 02:32

Surrogates	REC (%)	Limits	
Dibromofluoromethane	93	70-130	09/03/2022 02:32
Toluene-d8	103	70-130	09/03/2022 02:32
4-BFB	83	70-130	09/03/2022 02:32

Analyst(s): TW



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 08/31/2022 12:22
Date Prepared: 09/02/2022
Project: Semi-Annual Sampling (August 2022)

WorkOrder: 2208M32
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	2208M32-001C	Water	08/31/2022 10:35	GC47 09072212.D	253224
Analytes	Result	RL	DE	Date Analyzed	
Acenaphthene	ND	0.0096	2	09/07/2022 14:18	
Acenaphthylene	ND	0.0096	2	09/07/2022 14:18	
Anthracene	ND	0.0096	2	09/07/2022 14:18	
Benzidine	ND	9.6	2	09/07/2022 14:18	
Benzo (a) anthracene	ND	0.096	2	09/07/2022 14:18	
Benzo (a) pyrene	ND	0.0096	2	09/07/2022 14:18	
Benzo (b) fluoranthene	ND	0.038	2	09/07/2022 14:18	
Benzo (g,h,i) perylene	ND	0.038	2	09/07/2022 14:18	
Benzo (k) fluoranthene	ND	0.038	2	09/07/2022 14:18	
Bis (2-chloroethoxy) Methane	ND	1.9	2	09/07/2022 14:18	
Bis (2-chloroethyl) Ether	ND	0.0096	2	09/07/2022 14:18	
Bis (2-chloroisopropyl) Ether	ND	0.096	2	09/07/2022 14:18	
Bis (2-ethylhexyl) Phthalate	3.1	0.38	2	09/07/2022 14:18	
4-Bromophenyl Phenyl Ether	ND	1.9	2	09/07/2022 14:18	
Butylbenzyl Phthalate	ND	0.096	2	09/07/2022 14:18	
4-Chloro-3-methylphenol	ND	1.9	2	09/07/2022 14:18	
2-Chloronaphthalene	ND	1.9	2	09/07/2022 14:18	
2-Chlorophenol	ND	0.096	2	09/07/2022 14:18	
4-Chlorophenyl Phenyl Ether	ND	1.9	2	09/07/2022 14:18	
Chrysene	ND	0.0096	2	09/07/2022 14:18	
Dibenzo (a,h) anthracene	ND	0.038	2	09/07/2022 14:18	
Di-n-butyl Phthalate	ND	0.096	2	09/07/2022 14:18	
1,2-Dichlorobenzene	ND	1.9	2	09/07/2022 14:18	
1,3-Dichlorobenzene	ND	1.9	2	09/07/2022 14:18	
1,4-Dichlorobenzene	ND	1.9	2	09/07/2022 14:18	
3,3-Dichlorobenzidine	ND	0.0096	2	09/07/2022 14:18	
2,4-Dichlorophenol	ND	0.019	2	09/07/2022 14:18	
Diethyl Phthalate	ND	0.096	2	09/07/2022 14:18	
2,4-Dimethylphenol	ND	1.9	2	09/07/2022 14:18	
Dimethyl Phthalate	ND	0.019	2	09/07/2022 14:18	
4,6-Dinitro-2-methylphenol	ND	9.6	2	09/07/2022 14:18	
2,4-Dinitrophenol	ND	1.9	2	09/07/2022 14:18	
2,4-Dinitrotoluene	ND	0.096	2	09/07/2022 14:18	
2,6-Dinitrotoluene	ND	0.096	2	09/07/2022 14:18	
Di-n-octyl Phthalate	ND	1.9	2	09/07/2022 14:18	
1,2-Diphenylhydrazine	ND	1.9	2	09/07/2022 14:18	
Fluoranthene	ND	0.019	2	09/07/2022 14:18	

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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 08/31/2022 12:22
Date Prepared: 09/02/2022
Project: Semi-Annual Sampling (August 2022)

WorkOrder: 2208M32
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	2208M32-001C	Water	08/31/2022 10:35		GC47 09072212.D	253224
Analytes	Result		RL	DF	Date Analyzed	
Fluorene	ND		0.019	2	09/07/2022 14:18	
Hexachlorobenzene	ND		0.0096	2	09/07/2022 14:18	
Hexachlorobutadiene	ND		0.0096	2	09/07/2022 14:18	
Hexachlorocyclopentadiene	ND		9.6	2	09/07/2022 14:18	
Hexachloroethane	ND		0.019	2	09/07/2022 14:18	
Indeno (1,2,3-cd) pyrene	ND		0.038	2	09/07/2022 14:18	
Isophorone	ND		3.8	2	09/07/2022 14:18	
Naphthalene	ND		0.096	2	09/07/2022 14:18	
Nitrobenzene	ND		1.9	2	09/07/2022 14:18	
2-Nitrophenol	ND		9.6	2	09/07/2022 14:18	
4-Nitrophenol	ND		9.6	2	09/07/2022 14:18	
N-Nitrosodimethylamine	ND		9.6	2	09/07/2022 14:18	
N-Nitrosodiphenylamine	ND		1.9	2	09/07/2022 14:18	
N-Nitrosodi-n-propylamine	ND		1.9	2	09/07/2022 14:18	
Pentachlorophenol	ND		0.48	2	09/07/2022 14:18	
Phenanthrene	0.023		0.0096	2	09/07/2022 14:18	
Phenol	ND		0.38	2	09/07/2022 14:18	
Pyrene	ND		0.0096	2	09/07/2022 14:18	
1,2,4-Trichlorobenzene	ND		1.9	2	09/07/2022 14:18	
2,4,6-Trichlorophenol	ND		0.019	2	09/07/2022 14:18	
Surrogates	REC (%)	Qualifiers	Limits			
2-Fluorophenol	38	S	30-130		09/07/2022 14:18	
Phenol-d5	26		20-130		09/07/2022 14:18	
Nitrobenzene-d5	58		60-130		09/07/2022 14:18	
2-Fluorobiphenyl	63		50-130		09/07/2022 14:18	
2,4,6-Tribromophenol	70		60-130		09/07/2022 14:18	
4-Terphenyl-d14	79		40-130		09/07/2022 14:18	
Analyst(s): LAT			Analytical Comments: c1			

Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/02/2022
Date Analyzed: 09/03/2022 - 09/07/2022
Instrument: GC40
Matrix: Water
Project: Semi-Annual Sampling (August 2022)

WorkOrder: 2208M32
BatchID: 253222
Extraction Method: E608.3/SW3620B
Analytical Method: E608.3
Unit: µg/L
Sample ID: MB/LCS/LCSD-253222

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	0.0076	0.00012	0.0010	-	-	-
Toxaphene	ND	0.0020	0.020	-	-	-
Atrodor1016	ND	0.0019	0.020	-	-	-
Atrodor1221	ND	0.0024	0.020	-	-	-
Atrodor1232	ND	0.0038	0.020	-	-	-
Atrodor1242	ND	0.0028	0.020	-	-	-
Atrodor1248	ND	0.0018	0.020	-	-	-
Atrodor1254	ND	0.0015	0.020	-	-	-
Atrodor1260	ND	0.0028	0.020	-	-	-
Decachlorobiphenyl	0.066	N/A	N/A	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.040			0.05	80	60-130



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/02/2022
Date Analyzed: 09/03/2022 - 09/07/2022
Instrument: GC40
Matrix: Water
Project: Semi-Annual Sampling (August 2022)

WorkOrder: 2208M32
BatchID: 253222
Extraction Method: E608.3/SW3620B
Analytical Method: E608.3
Unit: µg/L
Sample ID: MB/LCS/LCSD-253222

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	0.034	0.036	0.050	68	72	42-140	5.95	20
a-BHC	0.036	0.038	0.050	72	76	70-130	4.97	20
b-BHC	0.031	0.032	0.050	62,F2	65,F2	70-130	4.71	20
d-BHC	0.038	0.040	0.050	77	81	70-130	4.90	20
g-BHC	0.036	0.038	0.050	71	75	60-130	5.29	20
a-Chlordane	0.034	0.036	0.050	68	71	45-140	4.38	20
g-Chlordane	0.035	0.036	0.050	69	73	45-140	4.52	20
p,p-DDD	0.038	0.040	0.050	77	80	70-130	4.57	20
p,p-DDE	0.039	0.041	0.050	78	82	70-130	4.93	20
p,p-DDT	0.039	0.041	0.050	79	83	70-130	4.44	20
Dieldrin	0.037	0.039	0.050	75	79	70-130	5.09	20
Endosulfan I	0.036	0.037	0.050	72	75	70-130	3.85	20
Endosulfan II	0.037	0.039	0.050	75	79	70-130	5.05	20
Endosulfan sulfate	0.038	0.040	0.050	76	80	70-130	4.94	20
Endrin	0.041	0.043	0.050	82	86	70-130	4.78	20
Endrin aldehyde	0.031	0.033	0.050	62	67	60-130	8.05	20
Endrin ketone	0.037	0.038	0.050	73	77	60-130	4.63	20
Heptachlor	0.038	0.040	0.050	75	79	34-140	5.42	20
Heptachlor epoxide	0.036	0.038	0.050	73	77	70-130	5.44	20
Methoxychlor	0.042	0.044	0.050	84	88	70-130	4.03	20
Aroclor1016	0.12	0.12	0.15	78	80	70-130	2.58	20
Aroclor1260	0.11	0.12	0.15	76	80	70-130	6.02	20
Surrogate Recovery								
Decachlorobiphenyl	0.044	0.045	0.050	88	91	60-130	3.56	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 08/31/2022
Date Analyzed: 08/31/2022
Instrument: GC10
Matrix: Water
Project: Semi-Annual Sampling (August 2022)

WorkOrder: 2208M32
BatchID: 253125
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-253125
2208M32-001BMS/MSD

QC Summary Report for E624.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acrolein (Propenal)	ND	3.9	5.0	-	-	-
Acrylonitrile	ND	0.23	2.0	-	-	-
2-Chloroethyl Vinyl Ether	ND	0.44	1.0	-	-	-
Surrogate Recovery						
Dibromofluoromethane	22			25	86	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Acrolein (Propenal)	17	19	20	84	94	71-140	11.2
Acrylonitrile	19	18	20	94	92	67-145	2.06
2-Chloroethyl Vinyl Ether	19	17	20	97	86	70-124	12.6
Surrogate Recovery							
Dibromofluoromethane	22	21	25	88	84	70-130	5.17

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD Limit
Acrolein (Propenal)	1	19	19	20	ND	97	97	24-149	0.433
Acrylonitrile	1	19	19	20	ND	93	93	50-151	0.0940
2-Chloroethyl Vinyl Ether	1	19	19	20	ND	96	96	66-140	0.356
Surrogate Recovery									
Dibromofluoromethane	1	21	21	25		85	84	70-130	1.48

Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/02/2022
Date Analyzed: 09/02/2022
Instrument: GC45
Matrix: Water
Project: Semi-Annual Sampling (August 2022)

WorkOrder: 2208M32
BatchID: 253232
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-253232

QC Summary Report for E624.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
tert-Amyl methyl ether (TAME)	ND	0.13	0.50	-	-	-
Benzene	ND	0.12	0.20	-	-	-
Bromodichloromethane	ND	0.025	0.050	-	-	-
Bromoform	ND	0.31	0.50	-	-	-
Bromomethane	ND	0.18	0.50	-	-	-
t-Butyl alcohol (TBA)	ND	2.5	5.0	-	-	-
Carbon Disulfide	ND	0.18	0.50	-	-	-
Carbon tetrachloride	ND	0.028	0.050	-	-	-
Chlorobenzene	ND	0.11	0.50	-	-	-
Chloroethane	ND	0.20	0.50	-	-	-
Chloroform	ND	0.091	0.10	-	-	-
Chloromethane	ND	0.28	0.50	-	-	-
Dibromochloromethane	ND	0.026	0.15	-	-	-
1,2-Dibromoethane (EDB)	ND	0.021	0.040	-	-	-
1,2-Dichlorobenzene	ND	0.16	0.50	-	-	-
1,3-Dichlorobenzene	ND	0.12	0.50	-	-	-
1,4-Dichlorobenzene	ND	0.093	0.50	-	-	-
Dichlorodifluoromethane	ND	0.29	0.50	-	-	-
1,1-Dichloroethane	ND	0.15	0.50	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.011	0.020	-	-	-
1,1-Dichloroethene	ND	0.0094	0.010	-	-	-
trans-1,2-Dichloroethene	ND	0.11	0.50	-	-	-
1,2-Dichloropropane	ND	0.019	0.20	-	-	-
cis-1,3-Dichloropropene	ND	0.21	0.50	-	-	-
trans-1,3-Dichloropropene	ND	0.28	0.50	-	-	-
Diisopropyl ether (DIPE)	ND	0.12	0.50	-	-	-
Ethylbenzene	ND	0.14	0.50	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.16	0.50	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.16	0.50	-	-	-
Methylene chloride	ND	0.74	2.0	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.011	0.020	-	-	-
Tetrachloroethene	ND	0.16	0.20	-	-	-
Toluene	ND	0.17	0.50	-	-	-
1,1,1-Trichloroethane	ND	0.11	0.50	-	-	-
1,1,2-Trichloroethane	ND	0.11	0.20	-	-	-
Trichloroethene	ND	0.25	0.50	-	-	-
Trichlorofluoromethane	ND	0.14	0.50	-	-	-
Vinyl chloride	0.0050	0.0043	0.0050	-	-	-

(Cont.)



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2208M32
Date Prepared:	09/02/2022	BatchID:	253232
Date Analyzed:	09/02/2022	Extraction Method:	E624.1
Instrument:	GC45	Analytical Method:	E624.1
Matrix:	Water	Unit:	µg/L
Project:	Semi-Annual Sampling (August 2022)	Sample ID:	MB/LCS/LCSD-253232

QC Summary Report for E624.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	24			25	97	70-130
Toluene-d8	26			25	103	70-130
4-BFB	2.3			2.5	94	70-130



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/02/2022
Date Analyzed: 09/02/2022
Instrument: GC45
Matrix: Water
Project: Semi-Annual Sampling (August 2022)

WorkOrder: 2208M32
BatchID: 253232
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-253232

QC Summary Report for E624.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	3.4	3.6	4	84	90	60-130	6.68	20
Benzene	4.0	4.1	4	100	103	60-130	3.06	20
Bromodichloromethane	3.4	3.5	4	85	88	60-130	4.17	20
Bromoform	2.6	2.7	4	65	69	50-130	6.22	20
Bromomethane	2.9	3.3	4	72	83	50-130	14.1	20
t-Butyl alcohol (TBA)	11	12	16	72	77	50-130	6.96	20
Carbon Disulfide	3.9	4.0	4	99	100	60-130	1.17	20
Carbon tetrachloride	3.2	3.3	4	80	82	60-130	2.91	20
Chlorobenzene	3.5	3.6	4	88	90	60-130	2.58	20
Chloroethane	4.5	4.6	4	112	116	60-140	3.99	20
Chloroform	3.7	3.8	4	91	94	60-130	2.89	20
Chloromethane	4.5	4.6	4	112	114	50-130	2.35	20
Dibromochloromethane	2.9	3.1	4	73	77	50-130	5.17	20
1,2-Dibromoethane (EDB)	1.6	1.6	2	78	82	60-130	5.21	20
1,2-Dichlorobenzene	3.3	3.4	4	82	84	60-130	2.48	20
1,3-Dichlorobenzene	3.4	3.5	4	84	87	60-130	2.81	20
1,4-Dichlorobenzene	3.3	3.4	4	82	84	60-130	2.56	20
Dichlorodifluoromethane	5.0	5.2	4	125	130	40-140	3.96	20
1,1-Dichloroethane	3.6	3.7	4	90	92	50-130	2.44	20
1,2-Dichloroethane (1,2-DCA)	3.1	3.3	4	78	82	60-130	4.84	20
1,1-Dichloroethene	3.5	3.6	4	89	89	60-130	0.704	20
trans-1,2-Dichloroethene	3.5	3.6	4	88	89	60-130	0.744	20
1,2-Dichloropropane	3.7	3.8	4	91	95	60-130	3.93	20
cis-1,3-Dichloropropene	3.4	3.5	4	85	88	60-130	3.67	20
trans-1,3-Dichloropropene	3.2	3.4	4	81	85	60-130	5.02	20
Diisopropyl ether (DIPE)	3.2	3.4	4	80	84	60-130	5.14	20
Ethylbenzene	3.5	3.6	4	87	89	60-130	1.91	20
Ethyl tert-butyl ether (ETBE)	3.1	3.3	4	79	83	60-130	5.89	20
Methyl-t-butyl ether (MTBE)	3.2	3.5	4	81	87	60-130	7.27	20
Methylene chloride	4.1	4.3	4	103	106	50-130	3.28	20
1,1,2,2-Tetrachloroethane	3.2	3.5	4	81	88	60-130	8.39	20
Tetrachloroethene	3.2	3.2	4	79	80	60-130	1.41	20
Toluene	3.5	3.6	4	87	91	60-130	3.58	20
1,1,1-Trichloroethane	3.3	3.3	4	82	83	60-130	0.774	20
1,1,2-Trichloroethane	2.9	3.1	4	73	77	60-130	5.66	20
Trichloroethene	3.2	3.3	4	80	82	60-130	2.51	20
Trichlorofluoromethane	3.2	3.2	4	80	79	60-130	0.585	20
Vinyl chloride	2.7	2.8	2	134,F2	138,F2	60-130	3.14	20

(Cont.)



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2208M32
Date Prepared:	09/02/2022	BatchID:	253232
Date Analyzed:	09/02/2022	Extraction Method:	E624.1
Instrument:	GC45	Analytical Method:	E624.1
Matrix:	Water	Unit:	µg/L
Project:	Semi-Annual Sampling (August 2022)	Sample ID:	MB/LCS/LCSD-253232

QC Summary Report for E624.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	24	24	25	97	98	70-130	0.596	20
Toluene-d8	26	25	25	102	102	70-130	0.404	20
4-BFB	2.4	2.4	2.5	98	97	70-130	1.06	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/02/2022
Date Analyzed: 09/02/2022
Instrument: GC47
Matrix: Water
Project: Semi-Annual Sampling (August 2022)

WorkOrder: 2208M32
BatchID: 253224
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-253224

QC Summary Report for E625.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acenaphthene	ND	0.0020	0.0050	-	-	-
Acenaphthylene	ND	0.00093	0.0050	-	-	-
Anthracene	ND	0.0027	0.0050	-	-	-
Benzidine	ND	2.4	5.0	-	-	-
Benzo (a) anthracene	ND	0.012	0.050	-	-	-
Benzo (a) pyrene	ND	0.0031	0.0050	-	-	-
Benzo (b) fluoranthene	ND	0.0056	0.020	-	-	-
Benzo (g,h,i) perylene	ND	0.0051	0.020	-	-	-
Benzo (k) fluoranthene	ND	0.0052	0.020	-	-	-
Benzyl Alcohol	ND	3.2	5.0	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.25	1.0	-	-	-
Bis (2-chloroethyl) Ether	ND	0.0020	0.0050	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.015	0.050	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.27	1.0	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	0.045	0.20	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.15	1.0	-	-	-
Butylbenzyl Phthalate	ND	0.0074	0.050	-	-	-
4-Chloroaniline	ND	0.0014	0.0050	-	-	-
4-Chloro-3-methylphenol	ND	0.37	1.0	-	-	-
2-Chloronaphthalene	ND	0.22	1.0	-	-	-
2-Chlorophenol	ND	0.013	0.050	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.22	1.0	-	-	-
Chrysene	ND	0.0020	0.0050	-	-	-
Dibenzo (a,h) anthracene	ND	0.0056	0.020	-	-	-
Dibenzofuran	ND	0.0015	0.0050	-	-	-
Di-n-butyl Phthalate	ND	0.018	0.050	-	-	-
1,2-Dichlorobenzene	ND	0.17	1.0	-	-	-
1,3-Dichlorobenzene	ND	0.28	1.0	-	-	-
1,4-Dichlorobenzene	ND	0.28	1.0	-	-	-
3,3'-Dichlorobenzidine	ND	0.0024	0.0050	-	-	-
2,4-Dichlorophenol	ND	0.0030	0.010	-	-	-
Diethyl Phthalate	ND	0.016	0.050	-	-	-
2,4-Dimethylphenol	ND	0.49	1.0	-	-	-
Dimethyl Phthalate	ND	0.0048	0.010	-	-	-
4,6-Dinitro-2-methylphenol	ND	1.9	5.0	-	-	-
2,4-Dinitrophenol	ND	0.38	1.0	-	-	-
2,4-Dinitrotoluene	ND	0.020	0.050	-	-	-
2,6-Dinitrotoluene	ND	0.019	0.050	-	-	-

(Cont.)



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2208M32
Date Prepared:	09/02/2022	BatchID:	253224
Date Analyzed:	09/02/2022	Extraction Method:	E625.1
Instrument:	GC47	Analytical Method:	E625.1
Matrix:	Water	Unit:	µg/L
Project:	Semi-Annual Sampling (August 2022)	Sample ID:	MB/LCS/LCSD-253224

QC Summary Report for E625.1

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

(Cont.)



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2208M32
Date Prepared:	09/02/2022	BatchID:	253224
Date Analyzed:	09/02/2022	Extraction Method:	E625.1
Instrument:	GC47	Analytical Method:	E625.1
Matrix:	Water	Unit:	µg/L
Project:	Semi-Annual Sampling (August 2022)	Sample ID:	MB/LCS/LCSD-253224

QC Summary Report for E625.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
2-Fluorophenol	4.1			5	82	30-130
Phenol-d5	4.6			5	91	20-130
Nitrobenzene-d5	3.9			5	78	60-130
2-Fluorobiphenyl	4.4			5	89	50-130
2,4,6-Tribromophenol	3.7			5	74	60-130
4-Terphenyl-d14	3.5			5	69	40-130



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/02/2022
Date Analyzed: 09/02/2022
Instrument: GC47
Matrix: Water
Project: Semi-Annual Sampling (August 2022)

WorkOrder: 2208M32
BatchID: 253224
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-253224

QC Summary Report for E625.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acenaphthene	0.20	0.21	0.25	81	83	50-130	3.47	25
Acenaphthylene	0.20	0.21	0.25	79	82	60-130	4.23	25
Anthracene	0.22	0.21	0.25	87	83	60-130	5.63	25
Benzidine	8.9	8.2	25	36	33	20-130	8.29	25
Benzo (a) anthracene	0.20	0.19	0.25	80	78	60-130	3.11	25
Benzo (a) pyrene	0.20	0.20	0.25	80	79	60-130	1.08	25
Benzo (b) fluoranthene	0.20	0.21	0.25	82	84	60-130	2.60	25
Benzo (g,h,i) perylene	0.18	0.18	0.25	74	71	50-130	4.38	25
Benzo (k) fluoranthene	0.20	0.19	0.25	79	76	60-130	4.53	25
Benzyl Alcohol	17	17	25	69	69	60-130	0.314	25
Bis (2-chloroethoxy) Methane	3.8	3.6	5	75	72	65-130	4.19	25
Bis (2-chloroethyl) Ether	0.18	0.19	0.25	72	74	60-130	2.75	25
Bis (2-chloroisopropyl) Ether	0.19	0.20	0.25	75	79	60-130	5.71	25
Bis (2-ethylhexyl) Adipate	3.6	3.4	5	72	69	60-130	4.65	25
Bis (2-ethylhexyl) Phthalate	0.19	0.19	0.25	76	77	60-130	0.386	25
4-Bromophenyl Phenyl Ether	4.3	4.1	5	86	82	65-130	4.33	25
Butylbenzyl Phthalate	0.19	0.18	0.25	75	73	60-140	2.30	25
4-Chloroaniline	0.19	0.19	0.25	77	76	60-130	2.36	25
4-Chloro-3-methylphenol	3.8	3.7	5	76	74	65-130	2.68	25
2-Chloronaphthalene	4.1	4.5	5	82	89	65-130	7.71	25
2-Chlorophenol	0.20	0.20	0.25	80	80	60-130	0.392	25
4-Chlorophenyl Phenyl Ether	4.1	4.3	5	83	86	65-130	3.38	25
Chrysene	0.20	0.20	0.25	80	81	70-130	0.998	25
Dibenzo (a,h) anthracene	0.18	0.18	0.25	72	72	50-130	0.0805	25
Dibenzofuran	0.20	0.21	0.25	80	85	65-130	5.88	25
Di-n-butyl Phthalate	0.20	0.19	0.25	81	78	60-130	3.52	25
1,2-Dichlorobenzene	3.8	3.9	5	77	77	60-130	0.452	25
1,3-Dichlorobenzene	3.6	3.6	5	71	73	60-130	2.50	25
1,4-Dichlorobenzene	3.6	3.7	5	72	75	60-130	3.77	25
3,3'-Dichlorobenzidine	0.19	0.19	0.25	76	75	60-130	0.339	25
2,4-Dichlorophenol	0.20	0.19	0.25	80	75	60-130	7.06	25
Diethyl Phthalate	0.18	0.19	0.25	72	76	65-130	4.96	25
2,4-Dimethylphenol	3.8	3.6	5	76	73	60-130	4.01	25
Dimethyl Phthalate	0.20	0.21	0.25	78	83	60-130	5.63	25
4,6-Dinitro-2-methylphenol	19	19	25	75	74	60-130	1.47	25
2,4-Dinitrophenol	3.4	3.8	5	68	76	50-130	11.5	25
2,4-Dinitrotoluene	0.21	0.21	0.25	83	85	70-130	3.24	25
2,6-Dinitrotoluene	0.20	0.21	0.25	79	83	65-140	5.48	25

(Cont.)



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/02/2022
Date Analyzed: 09/02/2022
Instrument: GC47
Matrix: Water
Project: Semi-Annual Sampling (August 2022)

WorkOrder: 2208M32
BatchID: 253224
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-253224

QC Summary Report for E625.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Di-n-octyl Phthalate	4.0	4.1	5	80	82	70-130	2.56	25
1,2-Diphenylhydrazine	4.1	3.9	5	83	78	65-130	6.14	25
Fluoranthene	0.23	0.22	0.25	91	89	65-130	2.62	25
Fluorene	0.20	0.21	0.25	82	86	65-130	4.74	25
Hexachlorobenzene	0.22	0.21	0.25	89	84	60-130	5.45	25
Hexachlorobutadiene	0.21	0.21	0.25	84	84	60-130	0.607	25
Hexachlorocyclopentadiene	17	18	25	68	72	50-130	6.34	25
Hexachloroethane	0.19	0.19	0.25	75	76	40-130	1.87	25
Indeno (1,2,3-cd) pyrene	0.19	0.19	0.25	75	75	50-130	0.429	25
Isophorone	3.6	3.5	5	72	71	50-130	1.82	25
2-Methylnaphthalene	0.21	0.21	0.25	85	83	60-130	2.57	25
2-Methylphenol (o-Cresol)	4.0	3.7	5	79	75	60-130	5.45	25
3 & 4-Methylphenol (m,p-Cresol)	4.1	3.8	5	81	76	60-130	6.80	25
Naphthalene	0.19	0.19	0.25	78	76	50-130	1.67	25
2-Nitroaniline	19	20	25	76	79	65-130	3.68	25
3-Nitroaniline	17	16	25	67,F5	62,F5	70-140	7.21	25
4-Nitroaniline	21	23	25	84	92	70-130	8.22	25
Nitrobenzene	3.8	3.7	5	76	75	60-130	1.60	25
2-Nitrophenol	19	18	25	77	72	70-130	7.56	25
4-Nitrophenol	19	20	25	75	81	30-130	8.02	25
N-Nitrosodimethylamine	20	20	25	80	78	30-130	1.75	25
N-Nitrosodiphenylamine	4.3	4.0	5	85	79	65-130	7.38	25
N-Nitrosodi-n-propylamine	3.4	3.5	5	68	71	50-130	4.20	25
Pentachlorophenol	1.1	1.1	1.25	91	87	60-130	4.88	25
Phenanthrene	0.21	0.20	0.25	83	79	65-130	5.57	25
Phenol	0.80	0.79	1	80	79	30-130	1.51	25
Pyrene	0.20	0.19	0.25	80	78	70-130	2.79	25
Pyridine	3.3	3.2	5	66	65	30-130	2.50	25
1,2,4-Trichlorobenzene	4.0	4.0	5	79	81	65-130	1.75	25
2,4,5-Trichlorophenol	0.22	0.23	0.25	87	92	65-130	5.96	25
2,4,6-Trichlorophenol	0.21	0.22	0.25	84	87	65-130	4.21	25



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2208M32
Date Prepared:	09/02/2022	BatchID:	253224
Date Analyzed:	09/02/2022	Extraction Method:	E625.1
Instrument:	GC47	Analytical Method:	E625.1
Matrix:	Water	Unit:	µg/L
Project:	Semi-Annual Sampling (August 2022)	Sample ID:	MB/LCS/LCSD-253224

QC Summary Report for E625.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
2-Fluorophenol	3.9	3.9	5	78	77	30-130	1.09	25
Phenol-d5	4.5	4.4	5	90	88	20-130	2.22	25
Nitrobenzene-d5	4.2	4.1	5	84	81	60-130	2.87	25
2-Fluorobiphenyl	4.5	4.7	5	90	94	50-130	3.92	25
2,4,6-Tribromophenol	4.1	3.9	5	83	78	60-130	6.37	25
4-Terphenyl-d14	3.7	3.5	5	74	71	40-130	5.16	25

McC Campbell Analytical, Inc.



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

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2208M32

ClientCode: PGEA

☐ WaterTrax

☐ CLIP

☐ EDF

☒ EQuIS

☐ Dry-Weight

☒ Email

☐ HardCopy

☐ ThirdParty

☐ J-flag

☒ Detection Summary

☐ Excel

Report to:

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

Email: abe4@pge.com
cc/3rd Party: a1he@pge.com; j5ld@pge.com; tlwy@pge.
PO:
Project: Semi-Annual Sampling (August 2022)

Bill to:

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

Requested TAT: 5 days;

Date Received: 08/31/2022

Date Logged: 08/31/2022

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2208M32-001	E-001	Water	8/31/2022 10:35	<input type="checkbox"/>	D	A	B	C	A							

Test Legend:

1	608_W
5	PRDisposal Fee
9	

2	624_W
6	
10	

3	624ACR+2CEVE_W
7	
11	

4	625_SCSM_W
8	
12	

Prepared by: Lilly Ortiz

Comments:

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

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Semi-Annual Sampling (August 2022)

Work Order: 2208M32

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments

Date Logged: 8/31/2022

☐ WaterTrax ☐ WriteOn ☐ 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"/>	8/31/2022 10:35	5 days	9/8/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
001B	E-001	Water	E624.1 (ACRO, ACRY, & 2-CEVE) <2- Chloroethyl Vinyl Ether, Acrolein (Propenal), Acrylonitrile>	2	VOA, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8/31/2022 10:35	5 days	9/8/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>

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

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

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

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

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Semi-Annual Sampling (August 2022)

Work Order: 2208M32

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments

Date Logged: 8/31/2022

☐ WaterTrax
 ☐ WriteOn
 ☐ 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-Bromophenyl Phenyl Ether, 4-Chloro-3-methylphenol, 4-Chlorophenyl Phenyl Ether, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Anthracene, Benzidine, Benzo (a) anthracene, Benzo (a) pyrene, Benzo (b) fluoranthene, Benzo (g,h,i) perylene, Benzo (k) fluoranthene, Bis (2-chloroethoxy) Methane, Bis (2-chloroethyl) Ether, Bis (2-chloroisopropyl) Ether, Bis (2-ethylhexyl) Phthalate, Butylbenzyl Phthalate, Chrysene, Dibenzo (a,h) anthracene, Diethyl Phthalate, Dimethyl	1	1LA Narrow Mouth, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8/31/2022 10:35	5 days	9/8/2022	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

Client Name: PG&E GATEWAY GENERATING STATION

Project: Semi-Annual Sampling (August 2022)

Work Order: 2208M32

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments

Date Logged: 8/31/2022

☐ WaterTrax ☐ WriteOn ☐ 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
			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 (August 2022)

Work Order: 2208M32

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments

Date Logged: 8/31/2022

☐ WaterTrax ☐ WriteOn ☐ 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, PCBs, total_1, Toxaphene_1>	1	1LA Narrow Mouth, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8/31/2022 10:35	5 days	9/8/2022	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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Website: www.mccampbell.com **Email:** main@mccampbell.com
Telephone: (877) 252-9262 **Fax:** (925) 252-9269

CHAIN OF CUSTODY RECORD
TURN AROUND TIME ☐ ☐ ☐ ☐

GeoTracker EDF

PDF

Excel[®]

Write On (DW)

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

Report To: Angel Espiritu

Bill To: PG&E Gateway

Analysis Request

Remarks

Company: PG&E Gateway Generating Station

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

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

Project Name: Semi-Annual Sampling (August 2022)

Project Location: Combined Site Flow

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# 1-9-64
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**

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

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)

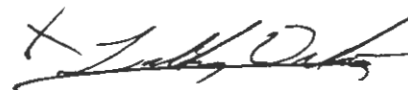
EPA Method 625 Compounds

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



8/31/22 12:22



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

Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station
Project: Semi-Annual Sampling (August 2022)

Date and Time Received: 8/31/2022 12:22

Date Logged: 8/31/2022

Received by: Lilly Ortiz

Logged by: Lilly Ortiz

WorkOrder No: 2208M32 Matrix: Water

Carrier: Client Drop-In

Chain of Custody (COC) Information

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

NA ☒

Sample Receipt Information

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

NA ☒

NA ☒

Sample Preservation and Hold Time (HT) Information

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

NA ☐

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 1.9°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"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

NA ☐

NA ☐

NA ☒

UCMR Samples:

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

NA ☒

NA ☒

Comments:



**Pacific Gas and
Electric Company®**

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

January 10, 2023

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

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

Subject: Quarterly Self-Monitoring Report
(For Period Ending December 31, 2022)

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, 2022, 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, Monthly Flow, WSAC Operating Months Report, Cycles of Concentration, and Copy of Laboratory Results.

The quarterly self-monitoring of the combined flows indicated an exceedance in zinc parameter. The laboratory report was received on 12/16/2022. A notification of exceedance was submitted to the District on 12/16/2022. A resulting warning notice was received from the District on 01/04/2023. A corrective action plan to address potential future exceedance and comply with the Discharge Permit requirement was submitted on 01/05/2023 (via email), and 01/09/2023 (hard copy). A resampling of the discharge flow for zinc was performed on 01/05/2023.

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

Sincerely,

Tim Wisdom

Tim Wisdom
Senior Plant Manager

Attachment: a/s

*Rec'd
by
CA
01/12/2023*

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 10, 2023

Mr. Jason Yun
Delta Diablo Sanitation District (DD)
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If you have any questions about this report, please feel free to contact Angel Espiritu at 925-522-7838, 510-861-1597, or at abe4@pge.com. Thank you.

Sincerely,

Tim Wisdom
Senior Plant Manager

Attachment: a/s

Public

Pacific Gas and Electric Company
Gateway Generating Station

Quarterly Self-Monitoring Report

For the reporting period ending in December 31, 2022

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, 2023.

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 |

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, 2022

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: Jan. 10, 2023
Print Name: Tim Wisdom

Attachment 2
Industrial User Compliance Report

Industrial User Compliance Report Form

Attn: Jason Yun

Fax # (925)756-1961

From: Tim Wisdom

Company: Pacific Gas and Electric Company – Gateway Generating Station

Period Covered: Period ending December 31, 2022

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:

1. The results of Q4 2022 quarterly monitoring was received on 12/16/2022
2. The notification of exceedance on zinc parameter was submitted to the District on 12/16/2022 (via email to Jason Yun).
3. A warning notice from the District was received on 01/04/2023.
4. A corrective action plan to address exceedance was submitted to the District on 01/05/2023 (email), and 01/09/2023 (hard copy).
5. Resampling of discharge flow for zinc was performed on 01/05/2023. The laboratory result received on 01/10/2023 indicated below the local limit: 0.67mg/L (limit = 1.0 mg/L)

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	12/7/2022	12/8/2022	12/8/2022					
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.	7.94							
BOD				ND(<8.0)					
COD				330					
TDS				460					
TSS				5.0					
Arsenic	0.15			0.0006					
Cadmium	0.1			ND(<0.0005)					
Chromium	0.5			0.0016					
Copper	0.5			0.038					
Iron				1.6					
Lead	0.5			ND(<0.0005)					
Mercury	0.003			ND(<0.0002)					
Molybdenum				0.027					
Nickel	0.5			0.0036					
Selenium	0.25			ND(<0.0005)					
Silver	0.2			ND(<0.0005)					
Zinc	1.00			2.00					
Cyanide	0.2		0.0086						
Phenol	1.00		ND(<0.002)						
Ammonia	200		58						
O&G Petro/Min (E1664A w/ Silica)	100	ND (<4.7)	ND (<5.0)						
O&G Animal/Vegetable Oil	300	10	ND (<4.7)						
TTO EPA 608									
TTO EPA 624									
TTO EPA 625									
TTO	2.00								
Sulfide									
Sulfate									

Comments: ND = Non-Detect, NSD = No Structures Detected, MFL = Millions of Fibers per Liter
 In accordance with Footnote 2 of the table located in Section (D)(1) of the permit, PG&E is reporting the Oil & Grease (O&G) as follows: Petroleum/Mineral includes the silica gel (i.e. SGT-HEM) and Animal/Vegetable does not include silica gel

Attachment 4
Discharge Flow Data

PG&E Gateway Generating Station

Discharge Flow Data

October 2022-December 2022

Date	Industrial Flow				Sanitary Flow				Site Total (Gallons)
	Instantaneous Flow (GPM)	Time Over 35.5 GPM (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	Instantaneous Flow (GPM)	Time Meter went Bad Quality (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	
10/1/2022	34.7	0.0	NO	23,858	25.6	0	NO	389	24,247
10/2/2022	34.7	0.0	NO	26,804	0.0	0	NO		26,804
10/3/2022	34.7	0.0	NO	21,519	29.0	0	NO	877	22,395
10/4/2022	34.7	0.0	NO	20,101	0.0	0	NO		20,101
10/5/2022	35.0	0.0	NO	26,409	24.7	0	NO	508	26,917
10/6/2022	34.9	0.0	NO	19,377	34.4	0	NO	559	19,936
10/7/2022	35.1	0.0	NO	27,052	7.8	0	NO		27,052
10/8/2022	35.0	1.0	NO	20,936	23.9	2	NO	113	21,049
10/9/2022	35.0	0.0	NO	34,711	0.0	0	NO		34,711
10/10/2022	34.7	0.0	NO	30,504	0.0	0	NO		30,504
10/11/2022	34.8	0.0	NO	40,995	0.0	0	NO		40,995
10/12/2022	34.8	0.0	NO	25,167	0.0	0	NO		25,167
10/13/2022	34.7	0.0	NO	22,921	26.6	0	NO	921	23,842
10/14/2022	34.7	0.0	NO	24,237	0.1	0	NO		24,237
10/15/2022	34.9	0.0	NO	16,747	25.9	0	NO	482	17,228
10/16/2022	34.7	0.0	NO	39,575	24.7	0	NO	145	39,720
10/17/2022	34.6	0.0	NO	15,948	0.0	0	NO		15,948
10/18/2022	34.8	0.0	NO	22,080	28.6	0	NO	135	22,214
10/19/2022	34.9	0.0	NO	30,462	22.2	0	NO	210	30,672
10/20/2022	34.7	0.0	NO	16,613	0.1	0	NO		16,613
10/21/2022	34.6	0.0	NO	37,898	0.0	0	NO		37,898
10/22/2022	34.1	0.0	NO	8,647	0.0	0	NO		8,647
10/23/2022	30.6	0.0	NO	25,169	0.0	0	NO		25,169
10/24/2022	35.1	0.0	NO	39,164	27.4	0	NO	231	39,394
10/25/2022	34.2	0.0	NO	26,820	0.0	0	NO		26,820
10/26/2022	34.3	0.0	NO	32,363	27.1	0	NO	789	33,152
10/27/2022	32.6	0.0	NO	26,140	0.0	0	NO		26,140
10/28/2022	32.8	0.0	NO	45,906	26.9	0	NO	196	46,102
10/29/2022	34.4	0.0	NO	29,182	0.1	0	NO		29,182
10/30/2022	34.8	0.0	NO	22,438	0.0	0	NO		22,438
10/31/2022	34.8	0.0	NO	28,738	0.0	0	NO		28,738

Max Daily Flow (Limit: 51,120):

46,102

Monthly Total:

834,034

11/1/2022	34.9	0.0	NO	26,689	26.9	0	NO	633	27,323
11/2/2022	34.6	0.0	NO	34,534	0.1	0	NO	0	34,534
11/3/2022	34.8	0.0	NO	14,343	26.4	0	NO	373	14,716
11/4/2022	34.8	0.0	NO	26,721	0.0	0	NO		26,721
11/5/2022	34.5	0.0	NO	25,734	26.8	0	NO	366	26,100
11/6/2022	34.7	1.0	NO	24,844	0.1	1	NO		24,844
11/7/2022	34.6	0.0	NO	48,245	0.0	0	NO		48,245
11/8/2022	34.5	1.0	NO	22,427	0.1	2	NO		22,427
11/9/2022	34.4	0.0	NO	28,583	27.1	0	NO	371	28,955
11/10/2022	34.6	0.0	NO	33,849	0.1	0	NO	371	34,220
11/11/2022	34.6	0.0	NO	30,415	0.1	0	NO		30,415
11/12/2022	34.7	0.0	NO	14,211	27.8	0	NO	385	14,597
11/13/2022	34.6	0.0	NO	30,668	0.1	0	NO		30,668
11/14/2022	34.9	0.0	NO	29,499	0.0	0	NO		29,499
11/15/2022	34.6	0.0	NO	24,364	28.1	0	NO	392	24,756
11/16/2022	34.4	0.0	NO	29,455	0.0	0	NO		29,455
11/17/2022	35.0	0.0	NO	30,338	27.3	0	NO	375	30,714
11/18/2022	34.8	0.0	NO	25,970	0.0	0	NO	4	25,974
11/19/2022	34.4	0.0	NO	21,472	0.0	0	NO		21,472

Public

PG&E Gateway Generating Station

Discharge Flow Data

October 2022-December 2022

Date	Industrial Flow				Sanitary Flow				Site Total (Gallons)
	Instantaneous Flow (GPM)	Time Over 35.5 GPM (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	Instantaneous Flow (GPM)	Time Meter went Bad Quality (minutes)	Did it ever go over 35.5 GPM for 15 mins?	Daily Total (Gallons)	
11/20/2022	34.8	0.0	NO	29,804	26.3	0	NO	389	30,193
11/21/2022	34.5	0.0	NO	28,017	0.1	0	NO		28,017
11/22/2022	34.7	0.0	NO	26,745	0.1	0	NO		26,745
11/23/2022	34.6	0.0	NO	20,713	0.1	0	NO		20,713
11/24/2022	34.6	0.0	NO	14,820	23.5	0	NO	384	15,204
11/25/2022	34.9	0.0	NO	30,704	0.1	0	NO		30,704
11/26/2022	34.5	0.0	NO	18,610	0.0	0	NO		18,610
11/27/2022	34.8	0.0	NO	35,448	0.0	0	NO		35,448
11/28/2022	34.8	0.0	NO	9,834	25.9	0	NO	389	10,223
11/29/2022	-0.5	0.0	NO		0.1	0	NO	2	2
11/30/2022	34.5	0.0	NO	18,338	26.0	0	NO	403	18,741

Max Daily Flow (Limit: 51,120): 48,245

Monthly Total: 760,234

12/1/2022	34.5	0.0	NO	32,435	0.1	0	NO	1	32,436
12/2/2022	34.6	0.0	NO	17,568	0.0	0	NO		17,568
12/3/2022	34.6	0.0	NO	44,803	26.1	0	NO	393	45,196
12/4/2022	34.4	0.0	NO	33,127	0.1	0	NO	1	33,128
12/5/2022	34.7	0.0	NO	37,252	0.0	0	NO		37,252
12/6/2022	34.5	0.0	NO	28,397	26.3	0	NO	262	28,659
12/7/2022	34.9	0.0	NO	30,375	25.4	0	NO	287	30,662
12/8/2022	34.5	1.0	NO	43,605	0.0	2	NO		43,605
12/9/2022	34.5	0.0	NO	34,575	0.0	0	NO		34,575
12/10/2022	34.5	0.0	NO	32,894	26.6	0	NO		32,894
12/11/2022	34.4	0.0	NO	39,559	0.0	0	NO		39,559
12/12/2022	34.5	0.0	NO	24,316	0.0	0	NO		24,316
12/13/2022	34.5	0.0	NO	20,509	25.4	0	NO	391	20,900
12/14/2022	34.4	0.0	NO	24,504	0.1	0	NO		24,504
12/15/2022	34.4	0.0	NO	15,789	26.3	0	NO	411	16,199
12/16/2022	34.5	0.0	NO	17,808	0.0	0	NO		17,808
12/17/2022	34.6	0.0	NO	43,217	0.1	0	NO		43,217
12/18/2022	34.4	0.0	NO	27,112	27.6	0	NO	374	27,486
12/19/2022	35.0	0.0	NO	25,067	0.0	0	NO		25,067
12/20/2022	34.6	0.0	NO	34,774	0.0	0	NO		34,774
12/21/2022	34.4	0.0	NO	14,822	27.2	0	NO	389	15,211
12/22/2022	34.5	0.0	NO	6,791	0.0	0	NO		6,791
12/23/2022	34.7	0.0	NO	20,031	0.1	0	NO		20,031
12/24/2022	34.5	0.0	NO	25,279	0.0	0	NO		25,279
12/25/2022	34.5	0.0	NO	29,070	26.4	0	NO	383	29,453
12/26/2022	34.8	0.0	NO	24,652	0.1	0	NO		24,652
12/27/2022	34.6	0.0	NO	28,013	0.0	0	NO		28,013
12/28/2022	34.6	0.0	NO	28,012	27.1	0	NO	384	28,396
12/29/2022	34.5	0.0	NO	3,928	0.1	0	NO		3,928
12/30/2022	34.4	0.0	NO	33,128	0.0	0	NO		33,128
12/31/2022	35.6	0.0	NO	44,852	25.6	0	NO	397	45,249

Max Daily Flow (Limit: 51,120): 45,249

Monthly Total: 869,937

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: **2022**

Month	Flow (gallons)	Due Date
January		
February		
March		
April		
May		
June		
July		
August		
September		
October	834,034	1/15/2023
November	760,234	1/15/2023
December	869,937	1/15/2023

Note:

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

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

Attachment 6
WSAC Operating Hours Report

PG&E Gateway Generating Station

WSAC Operating Hours Report
October 2022 - December 2022

WSAC Operation	
Month	Hours of Operation
January-22	
February-22	
March-22	
April-22	
May-22	
June-22	
July-22	
August-22	
September-22	
October-22	149.25
November-22	0.00
December-22	0.00

Attachment 7
Cycles of Concentration

PG&E Gateway Generating Station

WSAC Average Daily Blowdown Cycles Report
October 2022 - December 2022

WSAC Operation	
Month	Average Daily Blowdown Cycles
January-22	
February-22	
March-22	
April-22	
May-22	
June-22	
July-22	
August-22	
September-22	
October-22	2.07
November-22	WSAC not in operation
December-22	WSAC not in operation

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

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

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



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"When Quality Counts"

Analytical Report

WorkOrder: 2212602

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 2022)

Project Received: 12/08/2022

Analytical Report reviewed & approved for release on 12/16/2022 by:

Jennifer Lagerbom
Project Manager

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





Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2212602

Project: Quarterly Sampling (December 2022)

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	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.
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting limit 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.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
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
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



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Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station
Project: Quarterly Sampling (December 2022)

WorkOrder: 2212602

Analytical Qualifiers

H	Sample was analyzed out of hold time
i5	The sample dilutions set up for the BOD analysis did not meet the oxygen depletion criterion of at least 2 mg/l, therefore the reported result is an estimated value only.



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 12/08/2022 12:05
Date Prepared: 12/12/2022
Project: Quarterly Sampling (December 2022)

WorkOrder: 2212602
Extraction Method: E1664A_SG
Analytical Method: E1664A
Unit: mg/L

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2212602-001B	Water	12/07/2022 09:10	O&G	260006

Analytes	Result	RL	DF	Date Analyzed
SGT-HEM	ND	4.7	1	12/13/2022 14:05

Analyst(s): HN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2212602-002B	Water	12/08/2022 10:20	O&G	260006

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
SGT-HEM	ND	H	5.0	1	12/13/2022 14:10

Analyst(s): HN



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 12/08/2022 12:05
Date Prepared: 12/13/2022
Project: Quarterly Sampling (December 2022)

WorkOrder: 2212602
Extraction Method: E1664A
Analytical Method: E1664A
Unit: mg/L

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2212602-001A	Water	12/07/2022 09:10	O&G	260105

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
HEM	10	4.7	1	12/14/2022 16:30

Analyst(s): HN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2212602-002A	Water	12/08/2022 10:20	O&G	260105

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
HEM	ND	4.7	1	12/14/2022 16:35

Analyst(s): HN



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 12/08/2022 12:05
Date Prepared: 12/15/2022
Project: Quarterly Sampling (December 2022)

WorkOrder: 2212602
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	2212602-002C	Water	12/08/2022 10:20	WC_SKALAR 221215B1_26	260245

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Ammonia, total as N	58	1.0	10	12/15/2022 13:50

Analyst(s): CC



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 12/08/2022 12:05
Date Prepared: 12/09/2022
Project: Quarterly Sampling (December 2022)

WorkOrder: 2212602
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	2212602-003A	Water	12/08/2022 10:15	WetChem	259863

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
BOD	ND	8.0	2	12/14/2022 13:08

Analyst(s): MGO

Analytical Comments: i5



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 12/08/2022 12:05
Date Prepared: 12/12/2022
Project: Quarterly Sampling (December 2022)

WorkOrder: 2212602
Extraction Method: SM4500-CN⁻ E
Analytical Method: SM4500-CN⁻ CE
Unit: µg/L

Cyanide, Total

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2212602-002D	Water	12/08/2022 10:20	WC_Skalar3 221212B1_25	259980

Analytes	Result	RL	DE	Date Analyzed
Total Cyanide	8.6	1.0	1	12/12/2022 14:58

Analyst(s): CC



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 12/08/2022 12:05
Date Prepared: 12/09/2022
Project: Quarterly Sampling (December 2022)

WorkOrder: 2212602
Extraction Method: SM5220 D-1997
Analytical Method: SM5220 D-1997
Unit: mg/L

Chemical Oxygen Demand (COD) as mg O₂ /L

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2212602-003B	Water	12/08/2022 10:15	SPECTROPHOTOMETER2	259898

Analytes	Result	RL	DE	Date Analyzed
COD	330	10	1	12/09/2022 17:52

Analyst(s): IGC



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 12/08/2022 12:05
Date Prepared: 12/09/2022
Project: Quarterly Sampling (December 2022)

WorkOrder: 2212602
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	2212602-003E	Water	12/08/2022 10:15	AA1 _23	259710

Analytes	Result	RL	DE	Date Analyzed
Mercury	ND	0.20	1	12/09/2022 17:17

Analyst(s): DMA



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 12/08/2022 12:05
Date Prepared: 12/08/2022
Project: Quarterly Sampling (December 2022)

WorkOrder: 2212602
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	2212602-003F	Water	12/08/2022 10:15		ICP-MS4 141SMPL.d	259817
Analytes	Result		RL	DE		Date Analyzed
Arsenic	0.60		0.50	1		12/09/2022 18:52
Cadmium	ND		0.50	1		12/09/2022 18:52
Chromium	1.6		0.50	1		12/09/2022 18:52
Copper	38		1.5	1		12/09/2022 18:52
Iron	1600		50	1		12/09/2022 18:52
Lead	ND		0.50	1		12/09/2022 18:52
Molybdenum	27		0.50	1		12/09/2022 18:52
Nickel	3.6		0.50	1		12/09/2022 18:52
Selenium	ND		0.50	1		12/09/2022 18:52
Silver	ND		0.50	1		12/09/2022 18:52
Zinc	2000		20	1		12/09/2022 18:52
Surrogates	REC (%)		Limits			
Terbium	113		70-130			12/09/2022 18:52
Analyst(s): WV						



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 12/08/2022 12:05
Date Prepared: 12/14/2022
Project: Quarterly Sampling (December 2022)

WorkOrder: 2212602
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	2212602-002C	Water	12/08/2022 10:20	WC_SKALAR 221214B1_23	260137

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Phenolics	ND	2.0	1	12/14/2022 11:21

Analyst(s): CC



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 12/08/2022 12:05
Date Prepared: 12/12/2022
Project: Quarterly Sampling (December 2022)

WorkOrder: 2212602
Extraction Method: SM2540 C-1997
Analytical Method: SM2540 C-1997
Unit: mg/L

Total Dissolved Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2212602-003C	Water	12/08/2022 10:15	WetChem	259998

Analytes	Result	RL	DE	Date Analyzed
Total Dissolved Solids	460	10.0	1	12/14/2022 12:30

Analyst(s): JME



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 12/08/2022 12:05
Date Prepared: 12/14/2022
Project: Quarterly Sampling (December 2022)

WorkOrder: 2212602
Extraction Method: SM2540 D-1997
Analytical Method: SM2540 D-1997
Unit: mg/L

Total Suspended Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2212602-003D	Water	12/08/2022 10:15	WetChem	260062

Analytes	Result	RL	DE	Date Analyzed
Total Suspended Solids	5.00	1.00	1	12/14/2022 13:35

Analyst(s): JRA



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2212602
Date Prepared:	12/12/2022	BatchID:	260006
Date Analyzed:	12/13/2022	Extraction Method:	E1664A_SG
Instrument:	O&G	Analytical Method:	E1664A
Matrix:	Water	Unit:	mg/L
Project:	Quarterly Sampling (December 2022)	Sample ID:	MB/LCS/LCSD-260006

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL
SGT-HEM	ND	1.5	5.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
SGT-HEM	8.4	8.6	10.42	81	83	64-132	2.44	30



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2212602
Date Prepared:	12/13/2022	BatchID:	260105
Date Analyzed:	12/14/2022	Extraction Method:	E1664A
Instrument:	O&G	Analytical Method:	E1664A
Matrix:	Water	Unit:	mg/L
Project:	Quarterly Sampling (December 2022)	Sample ID:	MB/LCS/LCSD-260105

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL
HEM	ND	0.91	5.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
HEM	17	18	20.83	82	84	78-114	3.38	30

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2212602
Date Prepared:	12/15/2022	BatchID:	260245
Date Analyzed:	12/15/2022	Extraction Method:	SM4500-NH3 BG
Instrument:	WC_SKALAR	Analytical Method:	SM4500-NH3 BG
Matrix:	Water	Unit:	mg/L
Project:	Quarterly Sampling (December 2022)	Sample ID:	MB/LCS/LCSD-260245

QC Summary Report for SM4500-NH3

Analyte	MB Result	MDL	RL
Ammonia, total as N	ND	0.096	0.10

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Ammonia, total as N	4.2	4.1	4	105	102	88-113	20

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

12/09/2022

Date Analyzed:

12/14/2022

Instrument:

WetChem

Matrix:

Water

Project:

Quarterly Sampling (December 2022)

WorkOrder:

2212602

BatchID:

259863

Extraction Method:

SM5210B

Analytical Method:

SM5210 B

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-259863

QC Summary Report for BOD

Analyte	MB Result	MDL	RL
BOD	ND	4.0	4.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
BOD	180	180	198	93	91	80-120	2.20	16

Quality Control Report

Client: PG&E Gateway Generating Station

Date Prepared: 12/12/2022

Date Analyzed: 12/12/2022

Instrument: WC_Skalar3

Matrix: Water

Project: Quarterly Sampling (December 2022)

WorkOrder: 2212602

BatchID: 259980

Extraction Method: SM4500-CN⁻ E

Analytical Method: SM4500-CN⁻ CE

Unit: µg/L

Sample ID: MB/LCS/LCSD-259980

QC Summary Report for SM4500-CN⁻ CE

Analyte	MB Result	MDL	RL
Total Cyanide	ND	0.59	1.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Total Cyanide	46	48	50	91	96	90-110	5.44

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2212602
Date Prepared:	12/09/2022	BatchID:	259898
Date Analyzed:	12/09/2022	Extraction Method:	SM5220 D-1997
Instrument:	SPECTROPHOTOMETER2	Analytical Method:	SM5220 D-1997
Matrix:	Water	Unit:	mg/L
Project:	Quarterly Sampling (December 2022)	Sample ID:	MB/LCS/LCSD-259898

QC Summary Report for COD

Analyte	MB Result	MDL	RL
COD	ND	9.5	10

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
COD	100	100	100	102	100	90-110	1.98	20



Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2212602
Date Prepared:	12/09/2022	BatchID:	259710
Date Analyzed:	12/09/2022	Extraction Method:	E245.2
Instrument:	AA1	Analytical Method:	E245.2
Matrix:	Water	Unit:	µg/L
Project:	Quarterly Sampling (December 2022)	Sample ID:	MB/LCS/LCSD-259710

QC Summary Report for Mercury

Analyte	MB Result	MDL	RL
Mercury	ND	0.13	0.20

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Mercury	1.9	1.9	2	95	93	85-115	2:35	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 12/08/2022
Date Analyzed: 12/09/2022
Instrument: ICP-MS4, ICP-MS5
Matrix: Water
Project: Quarterly Sampling (December 2022)

WorkOrder: 2212602
BatchID: 259817
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L
Sample ID: MB/LCS/LCSD-259817

QC Summary Report for Metals

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

Surrogate Recovery

Terbium	550	500	110	70-130
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Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Arsenic	56	56	50	112	112	85-115	0.0179 20
Cadmium	56	56	50	112	112	85-115	0.385 20
Chromium	56	56	50	111	113	85-115	1.27 20
Copper	56	56	50	113	113	85-115	0.115 20
Iron	5200	5200	5000	104	104	85-115	0.552 20
Lead	55	56	50	110	112	85-115	1.16 20
Molybdenum	52	54	50	105	107	85-115	2.18 20
Nickel	56	56	50	112	111	85-115	0.455 20
Selenium	56	56	50	112	111	85-115	0.144 20
Silver	55	56	50	110	113	85-115	2.37 20
Zinc	570	560	500	114	112	85-115	1.18 20

Surrogate Recovery

Terbium	540	540	500	109	108	70-130	0.811 20
---------	-----	-----	-----	-----	-----	--------	----------

Quality Control Report

Client: PG&E Gateway Generating Station

Date Prepared: 12/14/2022

Date Analyzed: 12/14/2022

Instrument: WC_SKALAR

Matrix: Water

Project: Quarterly Sampling (December 2022)

WorkOrder: 2212602

BatchID: 260137

Extraction Method: E420.4

Analytical Method: E420.4

Unit: µg/L

Sample ID: MB/LCS/LCSD-260137

QC Summary Report for E420.4

Analyte	MB Result	MDL	RL
Phenolics	ND	1.4	2.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Phenolics	40	40	40	100	99	80-120	0.863	20

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2212602
Date Prepared:	12/12/2022	BatchID:	259998
Date Analyzed:	12/14/2022	Extraction Method:	SM2540 C-1997
Instrument:	WetChem	Analytical Method:	SM2540 C-1997
Matrix:	Water	Unit:	mg/L
Project:	Quarterly Sampling (December 2022)	Sample ID:	MB/LCS/LCSD-259998

QC Summary Report for Total Dissolved Solids

Analyte	MB Result	MDL	RL
Total Dissolved Solids	ND	10.0	10.0

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Total Dissolved Solids	1040	1030	1000	104	103	80-120	0.966

Quality Control Report

Client:

PG&E Gateway Generating Station

Date Prepared:

12/14/2022

Date Analyzed:

12/14/2022

Instrument:

WetChem

Matrix:

Water

Project:

Quarterly Sampling (December 2022)

WorkOrder:

2212602

BatchID:

260062

Extraction Method:

SM2540 D-1997

Analytical Method:

SM2540 D-1997

Unit:

mg/L

Sample ID:

MB/LCS/LCSD-260062

QC Summary Report for Total Suspended Solids

Analyte	MB Result	MDL	RL
Total Suspended Solids	ND	1.00	1.00

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Limit
Total Suspended Solids	92.0	93.0	100	92	93	80-120	10

McCampbell Analytical, Inc.



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

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2212602

ClientCode: PGEA

☐ WaterTrax

☐ CLIP

☐ EDF

☐ EQuIS

☐ Dry-Weight

☒ Email

☐ HardCopy

☐ ThirdParty

☐ J-flag

☐ Detection Summary

☐ Excel

Report to:

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

Email: abe4@pge.com
cc/3rd Party: a1he@pge.com; j5ld@pge.com; tlwy@pge.
PO:
Project: Quarterly Sampling (December 2022)

Bill to:

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

Requested TATs:

5 days;
7 days;

Date Received: 12/08/2022

Date Logged: 12/08/2022

Lab ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2212602-001	E-001 Grab	Water	12/7/2022 09:10	<input type="checkbox"/>	B	A								A		
2212602-002	E-001 Grab	Water	12/8/2022 10:20	<input type="checkbox"/>	B	A	C		D				C	A		
2212602-003	E-001 Comp	Water	12/8/2022 10:15	<input type="checkbox"/>				A		B	E	F		A	C	D

Test Legend:

1	1664A_SG_W
5	CN_SM4500CE_W
9	PHENOLICS_W

2	1664A_W
6	COD_W
10	PRDisposal Fee

3	AMMONIA-SM4500BG_W
7	HG_W
11	TDS_W

4	BOD_W
8	METALSMS_TTLC_W
12	TSS_W

Prepared by: Adrianna Cardoza

Comments:

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



McC Campbell Analytical, Inc.

"When Quality Counts"

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

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Quarterly Sampling (December 2022)

Work Order: 2212602

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 12/8/2022

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001 Grab	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/7/2022 9:10	5 days	12/15/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
001B	E-001 Grab	Water	E1664A (SGT- HEM; Non-polar Material)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/7/2022 9:10	5 days	12/15/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
002A	E-001 Grab	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/8/2022 10:20	5 days	12/15/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
002B	E-001 Grab	Water	E1664A (SGT- HEM; Non-polar Material)	1	1LA w/ HCl	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/8/2022 10:20	5 days	12/15/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
002C	E-001 Grab	Water	E420.4 (Phenolics)	1	500mL aG w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/8/2022 10:20	5 days	12/15/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
			SM4500-NH3 BG (Ammonia Nitrogen)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		5 days	12/15/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
002D	E-001 Grab	Water	SM4500-CN ⁻ CE (Cyanide, Total)	1	250mL aHDPE w/ NaOH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/8/2022 10:20	5 days	12/15/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
003A	E-001 Comp	Water	SM5210B (BOD)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/8/2022 10:15	7 days	12/19/2022	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"/>	12/8/2022 10:15	5 days	12/15/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
003C	E-001 Comp	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/8/2022 10:15	5 days	12/15/2022	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"/>	12/8/2022 10:15	5 days	12/15/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>

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

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

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

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

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Quarterly Sampling (December 2022)

Work Order: 2212602

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:
Date Logged: 12/8/2022

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
003E	E-001 Comp	Water	E245.2 (Mercury)	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/8/2022 10:15	5 days	12/15/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>
003F	E-001 Comp	Water	E200.8 (Metals) <Arsenic, Cadmium, Chromium, Copper, Iron, Lead, Molybdenum, Nickel, Selenium, Silver, Zinc>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/8/2022 10:15	5 days	12/15/2022	Present	<input type="checkbox"/>	<input type="checkbox"/>

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

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

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

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

2212602



McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701

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

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

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

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

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

Report To: Angel Espiritu Bill To: PG&E Gateway

Company: PG&E Gateway Generating Station

E-Mail: abc4@pge.com, A1HE@pge.com, JSLd@pge.com, dWY@pge.com

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

Project Name: Quarterly Sampling (December 2022)

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 preserv ABCE	Metals by 200.3 Selenium	Oil/Grease and with	Total Ph	Ammonia	Mercury	Metals (Copper, Lead, Molybdenum)	BOD (5/20)	COD (5/20)	TDS (5/20)	TSS (5/20)
			Date	Time			Waste Water	Sewer Water	None	ICE	H ₂ SO ₄	NaOH	HCL	HNO ₃	Other											
E-001		G	12/7/22	09:10	2	1L Amb	X			X			X				X									
E-001		G	12/8/22	10:20	2	1L Amb	X			X			X				X									
E-001		G	12/8/22	10:20	1	500ml Amb	X			X	X							X	X							
E-001		G	12/8/22	10:20	1	250-ml Poly	X			X		X			X											
E-001		C	12/8/22	10:15	1	1L Poly	X		X	X												X				
E-001		C	12/8/22	10:15	2	43-ml VOA	X			X	X												X			
E-001		C	12/8/22	10:15	1	500-ml poly	X		X	X														X		
E-001		C	12/8/22	10:15	1	1L poly	X		X	X															X	
E-001		C	12/8/22	10:15	1	250-ml Poly	X			X				X					X							
E-001		C	12/8/22	10:15	1	250-ml poly	X			X				X			X				X					

Relinquished By: Date: 12/8/22 Time: 12:05 Received By: Date: Time: Received By:

Relinquished By: Date: Time: Received By:

Relinquished By: Date: Time: Received By:

ICE/ 2.30
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB

COMMENTS:

VOAS O&G METALS OTHER



Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station
Project: Quarterly Sampling (December 2022)

Date and Time Received: 12/8/2022 12:05

Date Logged: 12/8/2022

Received by: Agustina Venegas

Logged by: Adrianna Cardoza

WorkOrder No: 2212602 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 type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 2.3°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"/>
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"/>
UCMR Samples:		
pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Comments: Sample 2212602-002B with method E1664A (SGT- HEM; Non-polar Material) was received unpreserved. Method E1664A (SGT- HEM; Non-polar Material) was received past its 0.1667-day holding time. Sample 2212602-002C with method SM4500-NH3 BG (Ammonia Nitrogen) was received unpreserved. Sample 2212602-002C with method E420.4 (Phenolics) was received unpreserved. Sample 2212602-002D with method SM4500-CN⁻ CE (Cyanide, Total) was received unpreserved.

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



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2212746

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 2022)

Project Received: 12/08/2022

Analytical Report reviewed & approved for release on 12/16/2022 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: 2212746

Project: pH Sampling (December 2022)

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	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.
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting limit 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.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
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
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



McC Campbell Analytical, Inc.
"When Quality Counts"

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

Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 12/08/2022 12:05
Date Prepared: 12/07/2022
Project: pH Sampling (December 2022)

WorkOrder: 2212746
Extraction Method: SM4500H+B-2000
Analytical Method: SM4500H+B
Unit: pH units

pH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2212746-001A	Water	12/07/2022 09:25	WetChem	260281

Analytes	Result	Accuracy	DE	Date Analyzed
pH	7.94	±0.05	1	12/07/2022 09:26

Analyst(s): JRA

Quality Control Report

Client:	PG&E Gateway Generating Station	WorkOrder:	2212746
Date Prepared:	12/07/2022	BatchID:	260281
Date Analyzed:	12/07/2022	Extraction Method:	SM4500H+B-2000
Instrument:	WetChem	Analytical Method:	SM4500H+B
Matrix:	Water	Unit:	pH units
Project:	pH Sampling (December 2022)	Sample ID:	CCV-260281

QC Summary Report for pH

Analyte	CCV Result	CCV Limits
pH	7.00	6.9-7.1

McC Campbell Analytical, Inc.



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

☐ WaterTrax

☐ CLIP

☐ EDF

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2212746

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 (December 2022)

Bill to:

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

Requested TAT: 5 days;

Date Received: 12/08/2022

Date Logged: 12/09/2022

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2212746-001	E-001	Water	12/7/2022 09:25	<input type="checkbox"/>	A	A										

Test Legend:

1	PH_W_SANJIV
5	
9	

2	PRDisposal Fee
6	
10	

3	
7	
11	

4	
8	
12	

Prepared by: Adrianna Cardoza

Comments:

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

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: pH Sampling (December 2022)

Work Order: 2212746

Client Contact: Sanjiv Gill

QC Level: LEVEL 2

Contact's Email: sanjivgill@comcast.net

Comments:
Date Logged: 12/9/2022

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001	Water	SM4500H+B (Field pH)	1	<Not Received>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/7/2022 9:25	5 days	12/15/2022		<input type="checkbox"/>	<input type="checkbox"/>

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

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

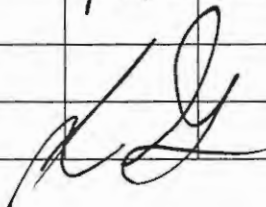
- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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

Page 7 of 9

2

meter Myron L Company
UltraMeter II
serial # 6222066
pH on CAC 12/7/22

 PH&E Gateway



Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station
Project: pH Sampling (December 2022)

Date and Time Received: 12/8/2022 12:05

Date Logged: 12/9/2022

Received by: Agustina Venegas

Logged by: Adrianna Cardoza

WorkOrder No: 2212746 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 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 353.2/4500NO ₃ : <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
UCMR Samples:			
pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments:

Gateway Generating Station
(00-AFC-1C)

Annual Compliance Report No. 14

Exhibit 4b
Notice of Violation/Corrective Action/Warning
Notice
(Condition of Certification SOIL&WATER-4)

There was no NOV issued to PG&E GGS during RY 2022.

Response to Warning Notice Dated 12/30/2022



**Pacific Gas and
Electric Company®**

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

January 5, 2023

Mr. Michael Placencia
Laboratory Manager
Delta Diablo
2500 Pittsburg-Antioch Hwy.
Antioch, CA 94509-1373

Reference: Pacific Gas and Electric Company - Gateway Generating Station
Delta Diablo Industrial Wastewater Discharge Permit # 0208841-C

Subject: Response to Warning Notice Dated December 30, 2022

Dear Mr. Placencia,

Please accept this response to Delta Diablo (District's) Warning Notice dated December 30, 2022 and received by PG&E on January 4, 2023 (see attached). In order to address the corrective actions required relative to the recent exceedance of the local limit for zinc at PG&E's Gateway Generating Station (GGS), which was self-reported to the District on December 16, 2022, PG&E submits the following plan to address the potential future exceedances and to ensure compliance with its Industrial Wastewater Discharge Permit:

1. PG&E will investigate the plant operational processes to assess potential source/s that may have contributed to the elevated zinc concentration in the discharge waste stream (i.e., cooling water processes, the chemistry of water treatment products, etc.).
2. PG&E has performed re-sampling of the discharge flow for zinc. This re-sampling was completed today (January 5, 2023). Upon receipt of the laboratory report from the analytical laboratory, the results of the re-sampling will be submitted to the District.
3. PG&E will review any findings of the investigation performed in Item 1 and incorporate them into ongoing and annual training to inform GGS plant personnel of measures and actions that should be taken to ensure compliance with the Wastewater Discharge Permit requirements.

Please let us know if you have questions. Thank you.

Sincerely,

Tim Wisdom

Tim Wisdom
Senior Plant Manager

Attachment: a/s

*1/9/23 Received
Stacy Tucker
for Jason Yen*



**Pacific Gas and
Electric Company®**

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

January 5, 2023

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Laboratory Manager
Delta Diablo
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Antioch, CA 94509-1373

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Delta Diablo Industrial Wastewater Discharge Permit # 0208841-C

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Please accept this response to Delta Diablo (District's) Warning Notice dated December 30, 2022 and received by PG&E on January 4, 2023 (see attached). In order to address the corrective actions required relative to the recent exceedance of the local limit for zinc at PG&E's Gateway Generating Station (GGS), which was self-reported to the District on December 16, 2022, PG&E submits the following plan to address the potential future exceedances and to ensure compliance with its Industrial Wastewater Discharge Permit:

1. PG&E will investigate the plant operational processes to assess potential source/s that may have contributed to the elevated zinc concentration in the discharge waste stream (i.e., cooling water processes, the chemistry of water treatment products, etc.).
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3. PG&E will review any findings of the investigation performed in Item 1 and incorporate them into ongoing and annual training to inform GGS plant personnel of measures and actions that should be taken to ensure compliance with the Wastewater Discharge Permit requirements.

Please let us know if you have questions. Thank you.

Sincerely,

Tim Wisdom
Senior Plant Manager

Attachment: a/s



December 30, 2022

CERTIFIED MAIL NUMBER 7014 0150 0000 1544 6295

Mr. Tim Wisdom, Senior Plant Manager
Pacific Gas & Electric Company
Gateway Generating Station
3225 Wilbur Ave.
Antioch, CA 94509

SUBJECT: WARNING NOTICE – PG&E GATEWAY WASTEWATER DISCHARGE
PERMIT #0208841-C ZINC VIOLATION

Dear Mr. Wisdom:

On December 16, 2022, Delta Diablo (District) received notice from Pacific Gas & Electric Gateway Generating Station (PG&E), Industrial Wastewater Discharge Permit #0208841-C, that a violation had occurred. This notice was received within 24 hours of PG&E becoming aware of said violation, as required by permit.

The District is issuing a **WARNING NOTICE (WN)** to PG&E for the following violation occurring from the sample event on December 8, 2022.

1. The zinc result of 2.0 mg/L violates the permitted limit of 1.0 mg/L.

CORRECTIVE ACTIONS REQUIRED:

1. Re-sample for zinc and submit the result of the analysis to the District within 30 days of becoming aware of the violation. PG&E became aware of the violation on December 16, 2022. The result due date is January 15, 2023.
2. Within five (5) days of receipt of this notice, a corrective action plan to prevent future violations must be submitted in writing to the District.

Failure to complete the corrective actions may result in escalating enforcement activity, including, but not limited to a Notice of Violation or monetary penalties.

If you have any questions regarding this notice, please contact Jason Yun, Environmental Compliance Specialist II at (925) 756-1913 or me at (925) 756-1915.

Sincerely,



Michael Placencia
Laboratory Manager

MP/JY

CC: Dean Eckerson, Resource Recovery Services Director, Delta Diablo
Jason Yun, Environmental Compliance Specialist II, Delta Diablo

Response to Warning Notice Dated 12/30/2022



**Pacific Gas and
Electric Company®**

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

January 12, 2023

Mr. Michael Placencia
Laboratory Manager
Delta Diablo
2500 Pittsburg-Antioch Hwy.
Antioch, CA 94509-1373

Reference: Pacific Gas and Electric Company - Gateway Generating Station (PG&E)
Delta Diablo Industrial Wastewater Discharge Permit # 0208841-C

Subject: Result of Resampling for Zinc (Response to Warning Notice dated 12/30/2022)

Dear Mr. Placencia,

This letter is to follow up on PG&E's response (submitted on January 9, 2023) to the Warning Notice received from Delta Diablo (dated December 30, 2022) regarding a recent exceedance of the local limit for zinc at PG&E's Gateway Generating Station. Please find attached the laboratory analytical report for the resampling for zinc, which was detected at a concentration of 0.67 mg/L (for which the permit limit is 1.0 mg/L).

PG&E will continue to implement the other aspects of corrective action plan described in the response letter (see attached). Please let us know if you have any questions. Thank you.

Sincerely,

Tim Wisdom

Tim Wisdom
Senior Plant Manager

Attachment: a/s

*Received
by
OA
1/12/2023*

Public

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, 2022-Result of Re-sampling for Zinc

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:** Feb. 28, 2023

Print Name: Tim Wisdom



**Pacific Gas and
Electric Company®**

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

January 12, 2023

Mr. Michael Placencia
Laboratory Manager
Delta Diablo
2500 Pittsburg-Antioch Hwy.
Antioch, CA 94509-1373

Reference: Pacific Gas and Electric Company - Gateway Generating Station (PG&E)
Delta Diablo Industrial Wastewater Discharge Permit # 0208841-C

Subject: Result of Resampling for Zinc (Response to Warning Notice dated 12/30/2022)

Dear Mr. Placencia,

This letter is to follow up on PG&E's response (submitted on January 9, 2023) to the Warning Notice received from Delta Diablo (dated December 30, 2022) regarding a recent exceedance of the local limit for zinc at PG&E's Gateway Generating Station. Please find attached the laboratory analytical report for the resampling for zinc, which was detected at a concentration of 0.67 mg/L (for which the permit limit is 1.0 mg/L).

PG&E will continue to implement the other aspects of corrective action plan described in the response letter (see attached). Please let us know if you have any questions. Thank you.

Sincerely,

Tim Wisdom

Tim Wisdom
Senior Plant Manager

Attachment: a/s



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2301160

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Angel Espiritu

Project P.O.:

Project: December 2022 Resample

Project Received: 01/05/2023

Analytical Report reviewed & approved for release on 01/10/2023 by:

Yen Cao

Project Manager

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





Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station**WorkOrder:** 2301160**Project:** December 2022 Resample

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	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.
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting limit 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.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
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
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: 01/05/2023 13:34
Date Prepared: 01/05/2023
Project: December 2022 Resample

WorkOrder: 2301160
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Metals

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
E-001	2301160-001A	Water	01/05/2023 11:55		ICP-MS5 145SMPL.d	261366
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DE</u>		<u>Date Analyzed</u>
Zinc	670		20	1		01/06/2023 12:46
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>			
Terbium	108		70-130			01/06/2023 12:46
<u>Analyst(s):</u> AL						



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 01/05/2023
Date Analyzed: 01/06/2023
Instrument: ICP-MS5
Matrix: Water
Project: December 2022 Resample

WorkOrder: 2301160
BatchID: 261366
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L
Sample ID: MB/LCS/LCSD-261366

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Zinc	ND	14	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
Zinc	540	540	500	109	108	85-115	0.0920	20
Surrogate Recovery								
Terbium	530	540	500	106	107	70-130	1.62	20

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: 2301160

ClientCode: PGEA

☐ 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;
PO:
Project: December 2022 Resample

Bill to:

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

Requested TAT: 3 days;

Date Received: 01/05/2023

Date Logged: 01/05/2023

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2301160-001	E-001	Water	1/5/2023 11:55	<input type="checkbox"/>	A	A										

Test Legend:

1	METALSMS_TTLC_W
5	
9	

2	PRDisposal Fee
6	
10	

3	
7	
11	

4	
8	
12	

Prepared by: Lilly Ortiz

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: December 2022 Resample

Work Order: 2301160

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments
Date Logged: 1/5/2023

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	E-001	Water	E200.8 (Metals) <Zinc>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1/5/2023 11:55	3 days	1/10/2023	Present	<input type="checkbox"/>	<input type="checkbox"/>

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

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

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

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



INC.

Telephone: (877) 252-9262 / Fax: (925) 252-9269

main@mcampbell.com

Turn Around Time: 1 Day Rush		2 Day Rush		3 Day Rush		STD		Quote #	
J-Flag / MDL		ESL		Cleanup Approved		Dry Weight		Bottle Order #	
Delivery Format:		PDF		GeoTracker EDF		EDD		Write On (DW)	
								Detect Summary	

Sampler Signature: Muskan Environmental Sampling

Analysis Requested

[illegible]

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate \$250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
<i>[Signature]</i>	1/5/23	13:34	<i>[Signature]</i>	1/5/23	13:34

Comments / Instructions

Analyze: Zinc

Only

container;
250 ml
poly

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 1.3 °C Initials Te



Sample Receipt Checklist

Client Name: PG&E Gateway Generating Station
Project: December 2022 Resample

Date and Time Received: 1/5/2023 13:34

Date Logged: 1/5/2023

Received by: Lilly Ortiz

WorkOrder No: 2301160 Matrix: Water

Logged by: Lilly Ortiz

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"/>
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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: 1.3°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:



**Pacific Gas and
Electric Company®**

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

January 5, 2023

Mr. Michael Placencia
Laboratory Manager
Delta Diablo
2500 Pittsburg-Antioch Hwy.
Antioch, CA 94509-1373

Reference: Pacific Gas and Electric Company - Gateway Generating Station
Delta Diablo Industrial Wastewater Discharge Permit # 0208841-C

Subject: Response to Warning Notice Dated December 30, 2022

Dear Mr. Placencia,

Please accept this response to Delta Diablo (District's) Warning Notice dated December 30, 2022 and received by PG&E on January 4, 2023 (see attached). In order to address the corrective actions required relative to the recent exceedance of the local limit for zinc at PG&E's Gateway Generating Station (GGS), which was self-reported to the District on December 16, 2022, PG&E submits the following plan to address the potential future exceedances and to ensure compliance with its Industrial Wastewater Discharge Permit:

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Please let us know if you have questions. Thank you.

Sincerely,

Tim Wisdom

Tim Wisdom
Senior Plant Manager

Attachment: a/s

*1/9/23 Received
Stacy Tucker
for Jason Yen*



**Pacific Gas and
Electric Company®**

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

January 5, 2023

Mr. Michael Placencia
Laboratory Manager
Delta Diablo
2500 Pittsburg-Antioch Hwy.
Antioch, CA 94509-1373

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Please let us know if you have questions. Thank you.

Sincerely,

Tim Wisdom
Senior Plant Manager

Attachment: a/s



December 30, 2022

CERTIFIED MAIL NUMBER 7014 0150 0000 1544 6295

Mr. Tim Wisdom, Senior Plant Manager
Pacific Gas & Electric Company
Gateway Generating Station
3225 Wilbur Ave.
Antioch, CA 94509

SUBJECT: WARNING NOTICE – PG&E GATEWAY WASTEWATER DISCHARGE
PERMIT #0208841-C ZINC VIOLATION

Dear Mr. Wisdom:

On December 16, 2022, Delta Diablo (District) received notice from Pacific Gas & Electric Gateway Generating Station (PG&E), Industrial Wastewater Discharge Permit #0208841-C, that a violation had occurred. This notice was received within 24 hours of PG&E becoming aware of said violation, as required by permit.

The District is issuing a **WARNING NOTICE (WN)** to PG&E for the following violation occurring from the sample event on December 8, 2022.

1. The zinc result of 2.0 mg/L violates the permitted limit of 1.0 mg/L.

CORRECTIVE ACTIONS REQUIRED:

1. Re-sample for zinc and submit the result of the analysis to the District within 30 days of becoming aware of the violation. PG&E became aware of the violation on December 16, 2022. The result due date is January 15, 2023.
2. Within five (5) days of receipt of this notice, a corrective action plan to prevent future violations must be submitted in writing to the District.

Failure to complete the corrective actions may result in escalating enforcement activity, including, but not limited to a Notice of Violation or monetary penalties.

If you have any questions regarding this notice, please contact Jason Yun, Environmental Compliance Specialist II at (925) 756-1913 or me at (925) 756-1915.

Sincerely,



Michael Placencia
Laboratory Manager

MP/JY

CC: Dean Eckerson, Resource Recovery Services Director, Delta Diablo
Jason Yun, Environmental Compliance Specialist II, Delta Diablo

Gateway Generating Station
(00-AFC-1C)

Annual Compliance Report No. 14

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 on 02/27/2023

HAZ-1 Appendix C

Table 8.12-4

Hazardous Materials to be Added at Gateway Generating Station During the Operational Phase

Material	CAS Number	Purpose	Location	Container	Hazardous Characteristics	Maximum Quantity On-Site	Unit	Regulatory Thresholds (lbs.)			
								Cal-ARP	Federal RQ	Federal TPQ	Federal TQ
Aqueous Ammonia (29%)	7664-41-7	SCR	Ammonia Storage Facility	Storage Tank (20,000 gal)	Corrosive	285,000	lbs.	500	100	500	20,000
Trisodium Phosphate (or Pre-blended Phosphate/Caustic)	7601-54-9 1310-73-2	pH/Corrosion Control	Northeast Corner of Admin Building	Bulk Returnable Container (Tote) with Hose Connections	Corrosive/Toxic	1,000	lbs.				
Carbohydrazide	487-18-7	Oxygen Scavenger (Oxygen removal/metal passivation)	Between ST and ACC	Bulk Returnable Container (Tote) with Hose Connections	Toxic	500	gals.				
Aqueous Ammonia (19.4%) (or ammonia monoethanolamine blend) *	7664-41-7 141-43-5	Boiler Feed pH adjustment/corrosion control	Between ST and ACC (Northwest corner of ACC)	Bulk Returnable Container (Tote) with Hose Connections	Corrosive	330	gals.	500			
Sodium Bisulfite	7631-90-5	Water treatment feedwater dechlorination	Fire Water Pump Enclosure	Bulk Returnable Container (Tote) with Hose Connections	Toxic	500	gals.				
Stabilized Bromine/Sodium Hydroxide	1310-73-2	Bacteria control for feedwater tank/WSAC cooling water biocide	Fire Water Pump Enclosure	Bulk Returnable Container (Tote) with Hose Connections	Corrosive/Toxic	400	gals.				
Sulfuric Acid *	7664-93-9	WSAC water pH adjustment	Between ACC and WSAC and Warehouse (Storage)	Bulk Returnable Container (Tote) with Hose Connections	Corrosive	50	gals.	1,000			
Corrosion/Scale Inhibitor/Sodium Hydroxide	1310-73-2	Scale and corrosion inhibitor for closed loop cooling	Fire Water Pump Enclosure	Drum	Toxic	55	gals.				
Scale Inhibitor/Sulfuric Acid	7664-93-9	Scale and corrosion inhibitor evaporative cooling system (WSAC)	Between ACC and WSAC	Bulk Returnable Container (Tote) with Hose Connections	Toxic	500	gals.				
Sodium Hypochlorite	7681-52-9	Evaporative Cooling (WSAC) biocide	Between ACC and WSAC	Bulk Returnable Container (Tote) with Hose Connections	Corrosive/Toxic	500	gals.				
Hydrogen Gas	1333-74-0	Heat transfer medium for generators	Storage (South of ACC), In Process (CT1, CT2, ST)	Bulk Returnable Container (Tube Trailer) & In Process	Flammable	1,029	lbs.				10,000
Propylene Glycol	00057-55-6	Heat transfer fluid (Anti-freeze)	Power Block	Bulk Returnable Container (Tube Trailer) & In Process	Flammable (HMS Flam-1)	3,326	gals.				
Monoethanolamine (30%-60%) *	141-43-5	Corrosion Inhibitor	Between ST and ACC (Northwest corner of ACC)	Bulk Returnable Container (SS Metal Tote) with Hose Connections	Corrosive/Toxic/Combustible	400	gals.				
Ammonium Hydroxide (15%) & Monoethanolamine (8%)	1336-21-6 141-43-5	Corrosion Inhibitor	Between ST and ACC (Northwest corner of ACC)	Bulk Returnable Container (SS Metal Tote) with Hose Connections	Corrosive, Toxic	400	gals.				
Aluminum chloride hydroxide sulfate (10-30%)	39290-78-3	Flocculant	Storm Water Treatment System and Warehouse (Storage)	Bulk Returnable Container (Tote) with Hose Connections	Corrosive	550	gals.				
Sodium Hydroxide (10-50%)	1310-73-2	Precipitate Transition (for Iron)	Storm Water Treatment System	Bulk Returnable Container with Hose Connections	Corrosive	80	gals.				

* The aqueous ammonia (or ammonia monoethanolamine blend) and sulfuric acid are stored in catchments sized to meet all applicable codes.

Updated

3/21/2018

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. PG&E		Chemical Location				CERS ID 10018894	
Facility Name PG&E GATEWAY GENERATING STATION		Air Cooled Condenser Gear Boxes				Facility ID 07-000-773723	
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/27/2023 11:46 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	Lubricating Oil	Gallons	432	12	432			1-DECENE, HOMOPOLYMER, HYDROGENATED	95%	68037-01-4
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>					
		Liquid	Other		Ambient					
		<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		Alternate Feed Transformer				Facility ID 07-000-773723
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/27/2023 11:46 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	656	656	656			Dielectric Oil (Highly Refined Petro 100% Oil)		
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>					
		Liquid	Other		Ambient	<u>Waste Code</u>				
		<u>Type</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: D6	Mixture	Days on Site: 365		> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location				CERS ID	10018894		
Facility Name	PG&E GATEWAY GENERATING STATION	Ammonia and Scavenger Feed Skid				Facility ID	07-000-773723		
	3225 Wilbur Ave, Antioch 94509					Status	Submitted on 2/27/2023 11:46 AM		
			Quantities			Annual Waste	Hazardous Components		
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Amount	Federal Hazard Categories	(For mixture only)	
	NALCO 5711	Gallons	400	400	400		- Physical	Component Name	% Wt
								AMMONIA	15%

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 2/27/2023 11:46 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: 8 - Corrosives (Liquids and Solids)	Aqua Ammonia (29%)	Gallons	18020	18020	18020		- Health Acute	Ammonia	30%	7664-41-7	
	CAS No	State	Storage Container		Pressue		Toxicity				
	1336-21-6	Liquid	Aboveground Tank		Ambient	Waste Code	- Health Skin				
Corrosive	Map: Figure 2 Grid: A6	Type			Temperature		Corrosion				
		Mixture	Days on Site: 365		Ambient		Irritation				
							- Health Serious				
							Eye Damage Eye				
							Irritation				
							- Health Specific				
							Target Organ				
							Toxicity				
							- Health Hazard				
							Not Otherwise				
							Classified				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location					CERS ID	10018894					
Facility Name	PG&E GATEWAY GENERATING STATION					Behind (East of) Plant Service Building and Shop Annex			Facility ID	07-000-773723			
	3225 Wilbur Ave, Antioch 94509									Status	Submitted on 2/27/2023 11:46 AM		
						Annual Waste	Federal Hazard	Hazardous Components (For mixture only)					
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Amount	Categories	Component Name	% Wt	EHS	CAS No.		
DOT: 2.1 - Flammable Gases	Acetylene, Compressed	Cu. Feet	1740	145	1740		- Physical	Acetylene	100%		74-86-2		
Flammable Gas	CAS No	State	Storage Container			Pressue	Waste Code	Flammable					
	74-86-2	Gas	Cylinder			> Ambient		- Physical Gas					
	Map: Figure 2 Grid: B4	Type				Temperature		Under Pressure					
		Pure	Days on Site: 365			Ambient		- Health Simple					
							Asphyxiant						
							- Health Hazard						
							Not Otherwise						
							Classified						
DOT: 2.1 - Flammable Gases	Propane, Compressed	Gallons	111	9.6	74		- Physical	Propane	100%		74-98-6		
Flammable Gas	CAS No	State	Storage Container			Pressue	Waste Code	Flammable					
	74-98-6	Liquid	Cylinder			> Ambient		- Physical Gas					
	Map: Figure 2 Grid: B4	Type				Temperature		Under Pressure					
		Pure	Days on Site: 365			Ambient		- Health Simple					
							Asphyxiant						
							- Health Hazard						
							Not Otherwise						
							Classified						
	Shell Turbo Oil DR46	Gallons	110	55	110			Highly Refined Petroleum Oil	99%				
Combustible Liquid, Class III-B	CAS No	State	Storage Container			Pressue	Waste Code	Proprietary Additives	1%				
		Liquid	Steel Drum			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	Carbon Dioxide Bulk Storage		Facility ID	07-000-773723
	3225 Wilbur Ave, Antioch 94509			Status	Submitted on 2/27/2023 11:46 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	Facility ID	07-000-773723
	3225 Wilbur Ave, Antioch 94509		Status	Submitted on 2/27/2023 11:46 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: 2.2 - Nonflammable Gases	Carbon Dioxide, Liquid	Gallons	2326	2326	2326		- Physical Gas	Carbon Dioxide	100%	124-38-9
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Under Pressure			
	124-38-9	Liquid	Aboveground Tank		> Ambient		- Health Simple			
	Map: Figure 2 Grid: B5	<u>Type</u>			<u>Temperature</u>		Asphyxiant			
		Pure	Days on Site: 365		Ambient		- Health Hazard			
							Not Otherwise Classified			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. PG&E		Chemical Location				CERS ID 10018894
Facility Name PG&E GATEWAY GENERATING STATION		Combustion Turbine-A Lube Oil Reservoir				Facility ID 07-000-773723
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/27/2023 11:46 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	Shell Turbo Oil T 32	Gallons	6000	6000	6000			Highly Refined Petroleum Oil	99%	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>		Proprietary Additives	5%	
		Liquid	Other		Ambient					
		<u>Type</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: C6	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 2/27/2023 11:46 AM					
		Quantities		Annual Waste	Hazardous Components					
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
DOT: 2.2 - Nonflammable Gases	Carbon Dioxide, Liquid	Gallons	2326	2326	2326		- Physical Gas	Component Name	% Wt	EHS CAS No.
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure	Carbon Dioxide	100%	124-38-9
	124-38-9	Liquid	Aboveground Tank		> Ambient		- Health Simple			
	Map: Figure 2 Grid: B5	Type			Temperature		Asphyxiant			
		Pure	Days on Site: 365		Ambient		- Health Hazard			
							Not Otherwise Classified			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. PG&E		Chemical Location				CERS ID 10018894
Facility Name PG&E GATEWAY GENERATING STATION		Combustion Turbine-B Lube Oil Reservoir				Facility ID 07-000-773723
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/27/2023 11:46 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	Shell Turbo Oil T 32	Gallons	6000	6000	6000			Highly Refined Petroleum Oil	99%	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>		Proprietary Additives	5%	
		Liquid	Other		Ambient					
		<u>Type</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: C5	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 2/27/2023 11:46 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	390	390	390			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>				
		<u>Type</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: B6	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 2/27/2023 11:46 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	402	402	402			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>				
		<u>Type</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: C8	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 2/27/2023 11:46 AM				
					Annual Waste	Hazardous Components				
		Quantities				(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: 8 - Corrosives (Liquids and Solids)	AlphaCell OPzS Stationary Flooded Tubular Lead Acid Battery	Gallons	357	3	357	- Physical	Lead, Lead Compounds	62%		7439-92-1
		<u>State</u>	<u>Storage Container</u>	<u>Pressue</u>	<u>Waste Code</u>	Explosive				
Corrosive, Water Reactive, Class 2		Liquid	Other		Ambient	- Physical	Sulfuric Acid	7%	✓	7664-93-9
	<u>CAS No</u>	<u>Type</u>			<u>Temperature</u>	Corrosive To Metal				
		Mixture	Days on Site: 365		Ambient	- Health Carcinogenicity				
	Map: Figure 2 Grid: C6, C5					- Health Acute Toxicity				
						- Health Reproductive Toxicity				
						- Health Skin Corrosion				
						Irritation				
						- Health Respiratory Skin Sensitization				
						- Health Serious Eye Damage Eye Irritation				
						- Health Specific Target Organ Toxicity				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. PG&E		Chemical Location				CERS ID 10018894
Facility Name PG&E GATEWAY GENERATING STATION		CT-A Auxiliary Transformer				Facility ID 07-000-773723
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/27/2023 11:46 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%	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>					
		Liquid	Other		Ambient	<u>Waste Code</u>				
		<u>Type</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: C6	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 2/27/2023 11:46 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%	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>					
		Liquid	Other		Ambient	<u>Waste Code</u>				
		<u>Type</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: C6	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 2/27/2023 11:46 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	1413	1413	1413			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>				
		<u>Type</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: C6	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 2/27/2023 11:46 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	12800	12800	12800			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>				
		<u>Type</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: C6	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 2/27/2023 11:46 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%	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>					
		Liquid	Other		Ambient	<u>Waste Code</u>				
		<u>Type</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: C5	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 2/27/2023 11:46 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%	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>					
		Liquid	Other		Ambient	<u>Waste Code</u>				
		<u>Type</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: C5	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 2/27/2023 11:46 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	1413	1413	1413			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>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		CT-B Main Step-Up Transformer				Facility ID 07-000-773723
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/27/2023 11:46 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	12800	12800	12800			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>				
		<u>Type</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: C5	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 2/27/2023 11:46 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		Hazardous Mat/Waste Storage (M9)-Warehouse				Facility ID 07-000-773723				
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/27/2023 11:46 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.
DOT: 4.1 - Flammable Solids	Waste Flammable Solids, Organic	Pounds	100	500	66	220	- 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 2/27/2023 11:46 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.
	Non-RCRA Mixed Oil	Gallons	250	55	26	800		Oil			
	CAS No	State	Storage Container		Pressue	Waste Code					
		Liquid	Steel Drum		Ambient	221					
	Map: Figure 2 Grid: B8, C3	Type			Temperature						
		Waste	Days on Site: 90		Ambient						
	Non-RCRA Solids (Oily Debris)	Pounds	2000	500	1056	3000					
	CAS No	State	Storage Container		Pressue	Waste Code					
		Solid	Steel Drum		Ambient	223					
	Map: Figure 2 Grid: B8, C3	Type			Temperature						
		Waste	Days on Site: 90		Ambient						
	RCRA Liquid Lab Bench Waste	Gallons	30	30	25	136	- Health Skin	Sulfuric Acid			
	CAS No	State	Storage Container		Pressue	Waste Code		Corrosion			
		Liquid	Plastic/Non-metalic Drum		Ambient	791		Irritation			
	Map: Figure 2 Grid: B8, C3	Type			Temperature			- Health Serious			
		Waste	Days on Site: 90		Ambient			Eye Damage Eye			
								Irritation			

Hazardous Materials And Wastes Inventory Matrix Report

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 2/27/2023 11:46 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)	Waste Sodium Hydroxide	Pounds	5	10	5	5				
	Contaminated Debris	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>					
		Solid	Can		Ambient	<u>Waste Code</u>				
		<u>CAS No</u>	<u>Type</u>		<u>Temperature</u>	181				
		Waste	Days on Site: 90	Ambient						
Map: Figure 2 Grid: B8, C3										

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 2/27/2023 11:46 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	Argon, Compressed Gas	Cu. Feet	1344	336	1344		- Physical Gas	Argon	100%		
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure				
		Gas	Cylinder		> Ambient		- Health Simple				
	Map: Figure 2 Grid: B5	Type			Temperature		Asphyxiant				
		Pure	Days on Site: 365		Ambient		- Health Hazard				
							Not Otherwise Classified				
DOT: 2.2 - Nonflammable Gases	EPA Protocol Gas (Carbon Monoxide/Nitrogen Mixture)	Cu. Feet	1440	144	1440		- Physical Gas	Nitrogen	88%		7727-37-9
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure	Carbon Monoxide	13%		630-08-0
		Gas	Cylinder		> Ambient		- Health Simple				
	Map: Figure 2 Grid: B5	Type			Temperature		Asphyxiant				
		Mixture	Days on Site: 365		Ambient						
DOT: 2.2 - Nonflammable Gases	EPA Protocol Gas Carbon Monoxide 11/Nitric/Nitrogen Mixture	Cu. Feet	864	144	864		- Physical Gas	Nitrogen	99%		7727-37-9
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure	Nitric Oxide	1%		10102-43-9
		Gas	Cylinder		> Ambient		- Health Simple	Carbon Monoxide	10%		630-08-0
	Map: Figure 2 Grid: B5	Type			Temperature		Asphyxiant				
		Mixture	Days on Site: 365		Ambient						
DOT: 2.2 - Nonflammable Gases	EPA Protocol Gas Carbon Monoxide 660/Nitric/Nitrogen Mixture	Cu. Feet	864	144	864		- Physical Gas	Nitrogen	99%		7727-37-9
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure	Nitric Oxide	1%		10102-43-9
		Gas	Cylinder		> Ambient		- Health Simple	Carbon Monoxide	20%		630-08-0
	Map: Figure 2 Grid: B5	Type			Temperature		Asphyxiant				
		Mixture	Days on Site: 365		Ambient						
DOT: 2.2 - Nonflammable Gases	EPA Protocol Gas Nitric/Nitrogen Mixture	Cu. Feet	576	144	576		- Physical Gas	Nitrogen	99%		7727-37-9
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure	Nitric Oxide	2%		10102-43-9
		Gas	Cylinder		> Ambient		- Health Simple				
	Map: Figure 2 Grid: B5	Type			Temperature		Asphyxiant				
		Mixture	Days on Site: 365		Ambient						
DOT: 2.2 - Nonflammable Gases	EPA Protocol Gas Nitrogen/Oxygen Mixture	Cu. Feet	1152	144	1152		- Physical Gas	Nitrogen	99%		7727-37-9
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure	Oxygen	20%		7782-44-7
		Gas	Cylinder		> Ambient		- Health Simple				
	Map: Figure 2 Grid: B5	Type			Temperature		Asphyxiant				
		Mixture	Days on Site: 365		Ambient						
DOT: 2.2 - Nonflammable Gases	Helium, Compressed	Cu. Feet	1344	336	1344		- Physical Gas	Helium	100%		7440-59-7
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure				
	7440-59-7	Gas	Cylinder		> Ambient		- Health Simple				
	Map: Figure 2 Grid: B5	Type			Temperature		Asphyxiant				
		Pure	Days on Site: 365		Ambient		- Health Hazard				
							Not Otherwise Classified				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E				Chemical Location	CERS ID	10018894				
Facility Name	PG&E GATEWAY GENERATING STATION				HRSGs (Heat Recovery Steam Generators) - A and B			Facility ID	07-000-773723		
	3225 Wilbur Ave, Antioch 94509					Status	Submitted on 2/27/2023 11:46 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	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases	Oxygen, Compressed	Cu. Feet	1124	281	1124		- Physical Gas	Oxygen	100%		7782-44-7
Oxidizing Gas, Gaseous	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure				
	7782-44-7	Gas	Cylinder		> Ambient		- Physical Oxidizer				
	Map: Figure 2	Type			Temperature		- Health Hazard				
	Grid: B3, B5	Pure	Days on Site: 365		Ambient		Not Otherwise Classified				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location		CERS ID	10018894					
Facility Name	PG&E GATEWAY GENERATING STATION	HRSGs (Heat Recovery Steam Generators) - A and B, Attached to Transformers		Facility ID	07-000-773723					
	3225 Wilbur Ave, Antioch 94509			Status	Submitted on 2/27/2023 11:46 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.
DOT: 2.2 - Nonflammable Gases	Nitrogen, Compressed	Cu. Feet	3263	251	3263		- Physical Gas	Nitrogen	100%	7727-37-9
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure			
	7727-37-9	Gas	Cylinder		> Ambient		- Health Simple			
	Map: Figure 2 Grid: B5,C4,C5,C6	Type			Temperature		Asphyxiant			
		Pure	Days on Site: 365		Ambient		- Health Hazard			
							Not Otherwise Classified			

Hazardous Materials And Wastes Inventory Matrix Report

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 2/27/2023 11:46 AM					
					Annual Waste		Hazardous Components				
		Quantities					(For mixture only)				
DOT Code/Fire Haz. Class		Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Federal Hazard	Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases		Hydrogen, Compressed	Cu. Feet	134000	134000	134000	- Physical	Hydrogen	100%		1333-74-0
		<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Flammable			
Flammable Gas		1333-74-0	Gas	Other		> Ambient		- Physical Gas			
		Map: Figure 2 Grid: D1	<u>Type</u>			<u>Temperature</u>		Under Pressure			
			Pure	Days on Site: 365		Ambient		- Health Simple			
								Asphyxiant			
								- Health Hazard			
								Not Otherwise			
								Classified			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. PG&E		Chemical Location				CERS ID 10018894					
Facility Name PG&E GATEWAY GENERATING STATION		Nitrogen Bulk Storage				Facility ID 07-000-773723					
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/27/2023 11:46 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.
DOT: 2.2 - Nonflammable Gases		Nitrogen, Compressed	Cu. Feet	Max. Daily 10944	Largest Cont. 304	Avg. Daily 10944	- Physical Gas	Nitrogen	100%	7727-37-9	
		CAS No 7727-37-9	State Gas	Storage Container Cylinder		Pressue > Ambient	Waste Code Under Pressure				
		Map: Figure 2 Grid: D2	Type Pure			Temperature Ambient	Asphyxiant				
				Days on Site: 365			- 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 2/27/2023 11:46 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.
	NALCO BT-3400	Gallons	400	400	400	- Health Skin	Sodium Hydroxide	5%	1310-73-2	
	CAS No	State	Storage Container		Pressue	Waste Code	Corrosion	Proprietary	99%	
		Liquid	Tote Bin				Irritation			
	Map: Figure 2 Grid: B4	Type			Temperature		- Health Serious			
		Mixture	Days on Site: 365		Ambient		Eye Damage Eye Irritation			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. PG&E		Chemical Location				CERS ID 10018894				
Facility Name PG&E GATEWAY GENERATING STATION		Plant Services Building				Facility ID 07-000-773723				
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/27/2023 11:46 AM				
					Annual Waste	Hazardous Components				
		Quantities				(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: 8 - Corrosives (Liquids and Solids)	GNB Flooded HCT 37 Lead Acid Battery	Gallons	834	14	834	- Physical	Lead	52%		7439-92-1
		State	Storage Container		Pressue	Explosive				
Corrosive, Water Reactive, Class 2	CAS No	Liquid	Other		Ambient	Waste Code	Sulfuric Acid	44%	✓	7664-93-9
		Type			Temperature	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 2/27/2023 11:46 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.
	Sodium Bisulfite	Gallons	50	50	50		- Health Skin	Sodium Bisulfite	20%		763-90-5
	CAS No	State	Storage Container		Pressue	Waste Code	Corrosion				
		Liquid	Tank Inside Building		Ambient		Irritation				
	Map: Figure 2 Grid: C2	Type			Temperature		- Health Serious				
		Mixture	Days on Site: 365		Ambient		Eye Damage Eye				
							Irritation				
							- Health Specific				
							Target Organ				
							Toxicity				
	Sodium Hydroxide	Gallons	75	75	75		- Physical	SODIUM HYDROXIDE	100%		1310-73-2
	CAS No	State	Storage Container		Pressue	Waste Code	Corrosive To				
Corrosive		Liquid	Aboveground Tank		Ambient		Metal				
	Map: Figure 2 Grid: C2	Type			Temperature		- Health Skin				
		Pure	Days on Site: 365		Ambient		Corrosion				
							Irritation				
							- Health Serious				
							Eye Damage Eye				
							Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location					CERS ID	10018894		
Facility Name	PG&E GATEWAY GENERATING STATION	Sodium Hexafluoride (Elect Equipment) Breakers				Facility ID	07-000-773723			
	3225 Wilbur Ave, Antioch 94509					Status	Submitted on 2/27/2023 11:46 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.
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 2/27/2023 11:46 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	Hydraulic Oil	Gallons	130	130	130			Highly refined mineral oil (C15 - C50)	99%	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>					
		Liquid	Other		Ambient	<u>Waste Code</u>				
		<u>Type</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: C4	Mixture	Days on Site: 365		> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. PG&E		Chemical Location				CERS ID 10018894
Facility Name PG&E GATEWAY GENERATING STATION		ST Excitation Transformer				Facility ID 07-000-773723
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/27/2023 11:46 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%	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>					
		Liquid	Other		Ambient	<u>Waste Code</u>				
		<u>Type</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: C4	Mixture	Days on Site: 365		> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. PG&E		Chemical Location				CERS ID 10018894
Facility Name PG&E GATEWAY GENERATING STATION		ST Main Step-Up Transformer				Facility ID 07-000-773723
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/27/2023 11:46 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%	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>					
		Liquid	Other		Ambient	<u>Waste Code</u>				
		<u>Type</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: C4	Mixture	Days on Site: 365		> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. PG&E		Chemical Location				CERS ID 10018894
Facility Name PG&E GATEWAY GENERATING STATION		Steam Turbine Lube Oil Reservoir				Facility ID 07-000-773723
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/27/2023 11:46 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	Refined Petroleum Oil	Gallons	4800	4800	4800			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					
		<u>Type</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: C4	Mixture	Days on Site: 365		> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. PG&E		Chemical Location				CERS ID 10018894			
Facility Name PG&E GATEWAY GENERATING STATION		Stormwater Treatment System				Facility ID 07-000-773723			
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/27/2023 11:46 AM			
					Annual Waste	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.		
Corrosive	Tidal Clear Hybrid (TCH)	Gallons	275	275	275	- Physical	Dialuminum Chloride	30%	12042-91-0
	CAS No	State	Storage Container		Pressue	Corrosive To	Pentahydroxide		
		Liquid	Tote Bin		Ambient	Waste Code	Metal		
	Map: Figure 2 Grid: 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 2/27/2023 11:46 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)	KCR-7 Lead Calcium Batteries	Gallons	90	1.5	90		- Physical	Lead Calcium	52%	7439-92-1
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>		Explosive			
Corrosive, Water Reactive, Class 2	Map: Figure 2 Grid: D4	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
		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		Warehouse				Facility ID 07-000-773723				
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/27/2023 11:46 AM				
						Hazardous Components (For mixture only)				
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS CAS No.
	Gas Turbine Compressor Cleaning Fluid	Gallons	264	264	264			Cleaning Fluid		
	CAS No	State	Storage Container		Pressue	Waste Code				
		Liquid	Tote Bin		Ambient					
		Type			Temperature					
	Map: Figure 2 Grid: B8-9	Mixture	Days on Site: 365		Ambient					
	NALCO BT-3400	Gallons	110	55	55		- Health Skin Corrosion	Sodium Hydroxide Proprietary	5% 99%	1310-73-2
	CAS No	State	Storage Container		Pressue	Waste Code				
		Liquid	Plastic/Non-metalic Drum		Ambient		Irritation			
	Map: Figure 2 Grid: B8-9	Type			Temperature		- Health Serious Eye Damage Eye Irritation			
		Mixture	Days on Site: 365		Ambient					
	NALCO Trac107	Gallons	110	55	55		- Health Skin Corrosion	Sodium Hydroxide Inorganic Salt Proprietary	1% 5% 99%	1310-73-2
	CAS No	State	Storage Container		Pressue	Waste Code				
		Liquid	Plastic/Non-metalic Drum		Ambient		Irritation			
	Map: Figure 2 Grid: B8-9	Type			Temperature		- Health Serious Eye Damage Eye Irritation			
		Mixture	Days on Site: 365		Ambient					
	Petroleum Distillate	Gallons	55	55	55			Severely Hydrotreated Naphthenic Petroleum Oil BHT	100% 0%	64742-53-6 128-37-0
Combustible Liquid, Class III-B	CAS No	State	Storage Container		Pressue	Waste Code				
		Liquid	Steel Drum		Ambient					
	Map: Figure 2 Grid: B8-9	Type			Temperature					
		Mixture	Days on Site: 365		Ambient					
	Sodium Hydroxide (10-50%)	Gallons	55	55	55		- Physical Corrosive To Metal	SODIUM HYDROXIDE	50%	1310-73-2
Corrosive	CAS No 1310-73-2	State	Storage Container		Pressue	Waste Code				
	Map: Figure 2 Grid: B8-9	Liquid	Plastic/Non-metalic Drum		Ambient		- Health Skin Corrosion			
		Type			Temperature		Irritation			
		Mixture	Days on Site: 365		Ambient		- Health Serious Eye Damage Eye Irritation			
	Tidal Clear Hybrid (TCH)	Gallons	275	275	275		- Physical Corrosive To Metal	Dialuminum Chloride Pentahydroxide	30%	12042-91-0
Corrosive	CAS No	State	Storage Container		Pressue	Waste Code				
		Liquid	Tote Bin		Ambient		- Health Serious Eye Damage Eye Irritation			
	Map: Figure 2 Grid: B8-9	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	Warehouse - Hazardous Mat/Waste Storage					Facility ID	07-000-773723			
3225 Wilbur Ave, Antioch 94509							Status	Submitted on 2/27/2023 11:46 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.
DOT: 8 - Corrosives (Liquids and Solids)	NON RCRA HAZARDOUS WASTE, LIQUIDS SOLUTION (SODIUM HYDROXIDE)	Gallons	274	500	137	274		LIQUIDS SOLUTION (SODIUM HYDROXIDE)	5%		
		State	Storage Container		Pressue	Waste Code					
		Liquid	Other		Ambient	135					
		Type			Temperature						
		CAS No	Waste		Days on Site: 90	Ambient					
		Map: Figure 2 Grid: B8, C3									
	NON-RCRA Hazardous Solids (Empty Drums)	Pounds	15	500	10	165		Empty Drums	100%		
		State	Storage Container		Pressue	Waste Code					
		Solid	Steel Drum			512					
		Type			Temperature						
		CAS No	Waste		Days on Site: 365						
		Grid: B8, C3									
	NON-RCRA Hazardous Waste Liquid (Oil, Water)	Gallons	96	55	63	113		Oil, Water	100%		
		State	Storage Container		Pressue	Waste Code					
		Liquid	Steel Drum		Ambient	223					
		Type			Temperature						
		CAS No	Waste		Days on Site: 365	Ambient					
		Grid: B8, C3									
	NON-RCRA Hazardous Waste Liquid (Oil, Water, Sludge)	Gallons	36	1600	18	36		Oil, Water, Sludge	100%		
		State	Storage Container		Pressue	Waste Code					
		Liquid	Tank Wagon		Ambient	222					
		Type			Temperature						
		CAS No	Waste		Days on Site: 365	Ambient					
		Grid: B8, C3									
	RCRA Waste Paint, Liquids	Gallons	40	55	27	44		Waste Paint, Liquids			
		State	Storage Container		Pressue	Waste Code					
		Liquid	Steel Drum		Ambient	352					
		Type			Temperature						
		CAS No	Waste		Days on Site: 90	Ambient					
		Map: Figure 2 Grid: B8, C3									
Combustible Liquid, Class III-B	Shell Tellus Oil 32	Gallons	550	275	275			Highly refined mineral oils and additives			
		State	Storage Container		Pressue	Waste Code					
		Liquid	Tote Bin		Ambient						
		Type			Temperature						
		CAS No	Mixture		Days on Site: 365	Ambient					
		Map: Figure 2 Grid: B8									
Combustible Liquid, Class III-B	Shell Turbo Oil DR46	Gallons	275	55	110			Highly Refined Petroleum Oil	99%		
		State	Storage Container		Pressue	Waste Code					
		Liquid	Steel Drum		Ambient		Proprietary Additives				
		Type			Temperature						
		CAS No	Mixture		Days on Site: 365	Ambient					
		Map: Figure 2 Grid: B8									
	Universal Waste - eWaste	Pounds	500	500	330	1070					
		State	Storage Container		Pressue	Waste Code					
		Solid	Steel Drum		Ambient	181					
		Type			Temperature						
		CAS No	Waste		Days on Site: 90	Ambient					
		Map: Figure 2 Grid: B8, C3									

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location	CERS ID	10018894
Facility Name	PG&E GATEWAY GENERATING STATION	Warehouse, Behind (East of) Plant Service Building and Shop Annex Flammable Cabinet, Hazardous Mat/Waste Storage	Facility ID	07-000-773723
	3225 Wilbur Ave, Antioch 94509		Status	Submitted on 2/27/2023 11:46 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	Shell Morlina	Gallons	150	5	67			HIGHLY REFINED BASE OILS	99%	64742-54-7
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		Liquid	Plastic Bottle or Jug		Ambient					
	Map: Figure 2 Grid: C4, B8-9	<u>Type</u>			<u>Temperature</u>					
		Mixture	Days on Site: 365		Ambient					
Combustible Liquid, Class III-B	Shell Turbo	Gallons	150	5	67			HIGHLY REFINED BASE OILS	99%	64742-54-7
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		Liquid	Plastic Bottle or Jug		Ambient					
	Map: Figure 2 Grid: C4, B8-9	<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	Warehouse, Behind Plant Services Building		Facility ID	07-000-773723					
	3225 Wilbur Ave, Antioch 94509			Status	Submitted on 2/27/2023 11:46 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.
	Gear Lubricant (Shell Omala S4 GX 320)	Gallons	170	5	170			Highly Refined Petroleum Oil	99%	
		State	Storage Container		Pressue	Waste Code		Proprietary Additives	1%	
		Liquid	Plastic/Non-metalic Drum		Ambient					
	CAS No	Type			Temperature					
	Map: Figure 2 Grid: B8-9, C4	Mixture	Days on Site: 365		Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location				CERS ID	10018894				
Facility Name	PG&E GATEWAY GENERATING STATION	Warehouse, Stormwater Treatment System				Facility ID	07-000-773723				
	3225 Wilbur Ave, Antioch 94509					Status	Submitted on 2/27/2023 11:46 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	Waste Code	Corrosive To			
		Liquid	Plastic Bottle or Jug			Ambient		Metal			
	Map: Figure 2 Grid: C9, B8-9	Type				Temperature		- Health Skin			
		Mixture	Days on Site: 365			Ambient		Corrosion			
								Irritation			
								- Health Serious			
								Eye Damage Eye			
								Irritation			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location	CERS ID	10018894
Facility Name	PG&E GATEWAY GENERATING STATION	Water Treatment Building / Fire Water Pump House	Facility ID	07-000-773723
	3225 Wilbur Ave, Antioch 94509		Status	Submitted on 2/27/2023 11:46 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 II	Diesel Fuel	Gallons	500	500	500		- Physical	Diesel Fuel	100%	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Flammable			
	68476-34-6	Liquid	Tank Inside Building		Ambient		- Health			
	Map: Figure 2 Grid: C1	<u>Type</u>			<u>Temperature</u>		Carcinogenicity			
		Mixture	Days on Site: 365		Ambient		- Health Acute			
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Water Reactive, Class 2	Interstate Workaholic Lead Acid Battery	Gallons	9	4.5	9		- Physical	Sulfuric Acid	35%	7439-92-1
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</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. PG&E		Chemical Location				CERS ID 10018894				
Facility Name PG&E GATEWAY GENERATING STATION		Water Treatment Chemical Storage				Facility ID 07-000-773723				
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/27/2023 11:46 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.
	NALCO 7408	Gallons	65	65	65	- Health Skin	Sodium Bisulfite	60%	7631-90-5	
	CAS No	State	Storage Container		Pressue	Waste Code	Corrosion	Proprietary	70%	
		Liquid	Plastic/Non-metalic Drum		Ambient		Irritation			
	Map: Figure 2 Grid: C2	Type			Temperature		- Health			
		Mixture	Days on Site: 365		Ambient		Respiratory Skin Sensitization			
Corrosive	NALCO Stabrex ST20	Gallons	65	65	65	- Physical	Sodium Hydroxide	5%	1310-73-2	
	CAS No	State	Storage Container		Pressue	Waste Code	Corrosive To	Proprietary	99%	
		Liquid	Plastic/Non-metalic Drum		Ambient		Metal			
	Map: Figure 2 Grid: C2	Type			Temperature		- Health Skin			
		Mixture	Days on Site: 365		Ambient		Corrosion Irritation			
						- Health	Respiratory Skin Sensitization			
						- Health Serious	Eye Damage Eye Irritation			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location				CERS ID	10018894				
Facility Name	PG&E GATEWAY GENERATING STATION	WSAC Chem Feed Skid				Facility ID	07-000-773723				
	3225 Wilbur Ave, Antioch 94509					Status	Submitted on 2/27/2023 11:46 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	% 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.	PG&E	Chemical Location				CERS ID	10018894				
Facility Name	PG&E GATEWAY GENERATING STATION		WSAC Chemical Feed Skid				Facility ID	07-000-773723			
	3225 Wilbur Ave, Antioch 94509						Status	Submitted on 2/27/2023 11:46 AM			
			Quantities			Annual Waste Amount	Hazardous Components (For mixture only)				
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily		Federal Hazard Categories	Component Name	% Wt	EHS	CAS No.
	NALCO Stabrex ST70	Gallons	110	110	110		- Physical	Sodium Hydroxide	5%		1310-73-2
	CAS No	State	Storage Container		Pressue	Waste Code	Corrosive To	Proprietary	99%		
		Liquid	Plastic/Non-metalic Drum		Ambient		Metal				
	Map: Figure 2 Grid: C3	Type			Temperature		- 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. 14

Exhibit 6

Copy of Notice of Intent (NOI) and Revised
SWPPP (October 2018) to comply with the
requirements of Industrial General Permit
(SOIL & WATER-3)

No changes relative to submitted Exhibit 6
in ACR #13



State Water Resources Control Board
NOTICE OF INTENT

GENERAL PERMIT TO DISCHARGE STORM WATER
ASSOCIATED WITH INDUSTRIAL ACTIVITY (WQ ORDER No. 2014-0057-DWQ)
(Excluding Construction Activities)



EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

WDID: 5S07I021950

Status: Active

Operator Information

Type: Private Business

Name: Pacific Gas Electric Company

Contact Name: Tim Wisdom

Address: PO Box 770000

Title: Plant Manager

Address 2:

Phone Number: 925-522-7812

City/State/Zip: San Francisco CA 94177

Email Address: T1WY@pge.com

Federal Tax ID:

Facility Information

Level:

Contact Name: Diana Furman

Title: Environmental Compliance Manager

Site Name: Gateway Generating Station

Address: 3225 Wilbur Ave

City/State/Zip: Antioch CA 94509

Site Phone #: 925-522-7838

County: Contra Costa

Email Address: dmwr@PGE.com

Latitude: 38.01228

Longitude: -121.75859

Site Size: 32.5 Acres

Industrial Area Exposed to Storm Water: 22 Acres

Percent of Site Impervious (Including Rooftops): 28 %

SIC Code Information

1. 4911 Electric Services

2.

3.

Additional Information

Receiving Water: San Joaquin River

Flow: Indirectly

Storm Drain System:

Compliance Group:

RWQCB Jurisdiction: Region 5S - Sacramento

Phone: 916-464-3291

Email: r5s_stormwater@waterboards.ca.gov

Certification

Name: Alvin Thoma

Date: October 12, 2016

Title: Senior Plant Manager

Stormwater Pollution Prevention Plan

Gateway Generating Station

WDID#: 5S07I021950

Facility Address: 3225 Wilbur Avenue, Antioch, CA 94509

Facility Contact:

Angel B. Espiritu, Environmental Compliance Manager
Pacific Gas & Electric Company
(925) 522-7838

Prepared for



***Pacific Gas and
Electric Company***

Storm Water Quality Group
3401 Crow Canyon Road, San Ramon, CA
Jeremy Laurin, Storm Water Work Supervisor
(925) 719-4466

Initial Preparation Date: December 2014
Revision Date: October 2018

EXECUTIVE SUMMARY

This storm water pollution prevention plan (SWPPP) was prepared in accordance with the requirements of the California State Water Resources Control Board (SWRCB) Industrial Storm Water Permit for Discharges Associated with Industrial Activity (Order No. 2014-0057-DWQ) which was adopted on April 1, 2014. This permit replaces Order No. 97-03-DWQ which had been in effect from August 1, 1997 through June 30, 2015.

This SWPPP identifies and evaluates all sources of pollutants that may affect the quality of industrial storm water discharges and authorized non-storm water discharges, identifies and describes the minimum best management practices (BMPs) and any advanced BMPs implemented to reduce or prevent pollutants in industrial storm water discharges and authorized non-storm water discharges.

Pacific Gas and Electric Company shall fully implement this SWPPP by July 1, 2015. The SWPPP will be revised whenever necessary and will be certified and submitted electronically to the SWRCB via the Storm Water Multi-Application and Report Tracking System (SMARTS).

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APPENDIX B – Permit Registration Documents

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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
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APPENDIX G – Annual Reports

APPENDIX H – ERA Evaluation(s) and Report(s)

**APPENDIX I – Advanced Treatment System (Chemical & Filtration) Operating Manual, including
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LIST OF FIGURES

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2	Facility Details
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ACRONYMS AND ABBREVIATIONS

AST	Aboveground Storage Tank
BMP	Best Management Practice
CFR	Code of Federal Regulations
COC	Chain of Custody
CWA	Clean Water Act
DDT	Dichlorodiphenyltrichloroethane
ECM	Environmental Compliance Manager
ELAP	Environmental Laboratory Accreditation Program
ELG	Effluent Limitation Guideline
ERA	Exceedance Response Action
General Permit	Industrial Storm Water Permit for Discharges Associated with Industrial Activity
HMBP	Hazardous Materials Business Plan
LRP	Legally Responsible Person
mg/L	Milligrams per liter
NAL	Numeric Action Level
NEC	No Exposure Certification
NOI	Notice of Intent
NOT	Notice of Termination
NPDES	National Pollutant Discharge Elimination System
NSWD	Non-Storm Water Discharge
OSHA	Occupational Health and Safety Administration
PG&E	Pacific Gas and Electric Company
PPT	Pollution Prevention Team
PRDs	Permit Registration Documents
QISP	Qualified Industrial Storm Water Practitioner
QSE	Qualifying Storm Event
RWQCB	Regional Water Quality Control Board
SIC	Standard Industrial Classification
SMARTS	Storm Water Multi-Application and Report Tracking System
SPCC	Spill Prevention Control and Countermeasure
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
WDID	Waste Discharge Identification

STORM WATER POLLUTION PREVENTION PLAN SIGNATURE AND CERTIFICATION

I am duly authorized to sign reports required by the California State Water Resources Control Board Industrial Storm Water Permit for Discharges Associated with Industrial Activity. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Tim Wisdom
Tim Wisdom, Sr. Plant Manager

Feb-10, 2017
Date

1. INTRODUCTION

This industrial storm water pollution prevention plan (SWPPP) for Pacific Gas and Electric Company's (PG&E) Gateway Generating Station (facility) was prepared in accordance with the requirements of the California State Water Resources Control Board Industrial Storm Water Permit for Discharges Associated with Industrial Activity ("General Permit," Order NPDES No. CAS000001). A copy of the General Permit (Order No. 2014-0057-DWQ) dated April 1, 2014, is attached as Appendix A.

This SWPPP will be modified whenever there is a change in operation, maintenance or construction which may affect the discharge of pollutants to surface water. It will also be amended if it is found ineffective in achieving the stated objectives listed in the General Permit.

1.1 Background and Requirements

The Federal Clean Water Act (CWA) prohibits discharges from point sources to waters of the United States, unless the discharges are in compliance with a National Pollutant Discharge Elimination System (NPDES) permit. In 1987, the CWA was amended to establish a framework for regulating municipal storm water discharges and discharges associated with industrial activity under the NPDES program. Industrial storm water discharges are regulated pursuant to CWA section 402(p)(3)(A). This provision requires NPDES permits for industrial storm water discharges to comply with technology-based effluent limitations and water quality-based limitations, as well as implement best management practices (BMPs).

On April 17, 1997, the California State Water Resources Control Board (SWRCB) issued NPDES General Permit for Industrial Storm Water Discharges, Excluding Construction Activities, Water Quality Order 97-03-DWQ (previous permit). The current General Permit, Order 2014-0057-DWQ, rescinds the previous permit and serves as the statewide general permit for industrial storm water discharges. The General Permit requires dischargers to:

- Eliminate unauthorized non-storm water discharges (NSWDs);
- Develop and implement SWPPPs that include BMPs;
- Implement minimum BMPs, and advanced BMPs as necessary, to achieve compliance with the effluent and receiving water limitations of this General Permit;
- Conduct monitoring, including visual observations and analytical storm water monitoring for indicator parameters;
- Compare monitoring results for monitored parameters to applicable numeric action levels (NALs) derived from the U.S. EPA 2008 Multi-Sector General Permit for Storm Water Discharges Associated with Industrial Activity (2008 MSGP) and other industrial storm water discharge monitoring data collected in California;
- Perform the appropriate Exceedance Response Actions (ERAs) when there are exceedances of the NALs; and
- Certify and submit all permit-related compliance documents via the Storm Water Multiple Application and Report Tracking System (SMARTS). Dischargers shall certify and submit these documents which include, but are not limited to, Permit Registration Documents (PRDs) including Notices of Intent (NOIs), No Exposure Certifications (NECs), and SWPPPs, as well as Annual Reports, Notices of Termination (NOTs), Level 1 ERA Reports, and Level 2 ERA Technical Reports.

Copies of all PRDs are included in Appendix B.

1.2 SWPPP Performance Standards

This SWPPP identifies and evaluates all sources of pollutants from the facility that may affect the quality of industrial storm water discharges and authorized NSWDS. Additionally, this SWPPP identifies and describes the minimum BMPs and any advanced BMPs implemented to reduce or prevent pollutants in industrial storm water discharges and authorized NSWDS. BMPs will be selected to achieve compliance with this General Permit and will identify and describe conditions or circumstances which may require future revisions to be made to the SWPPP. A copy of the SWPPP shall be maintained at the facility.

1.3 SWPPP Implementation and Revisions

PG&E shall fully implement this SWPPP by July 1, 2015. The SWPPP shall be revised whenever necessary and will be certified and submitted electronically to the SWRCB via SMARTS within 30 days whenever the SWPPP contains significant revisions. Minor revisions are not required to be entered into SMARTS more than once every three months within a given reporting year. A log of all SWPPP revisions is included in Appendix C.

1.4 General Facility Information

Facility Name: Gateway Generating Station

Facility Address: 3225 Wilbur Avenue, Antioch CA 94509

Telephone Number: (925) 522-7838

Standard Industrial Classification (SIC) Code: 4911 (Electric Power Generating Facility)

Waste Discharge Identification (WDID) Number: 5S07I021950

Scheduled Facility Operating Hours: 24 hours/7 days (2 shifts)

Size of Facility: Approximately 32.5 acres

The facility is located in unincorporated Contra Costa County (within the City of Antioch's Sphere of Influence), on Wilbur Avenue, 1 mile northeast of Antioch, on the southern shore of the San Joaquin River (Figure 1). The operating portion of the site area is approximately 22 acres. The facility is a natural gas-fired, combined cycle, combustion turbine power plant with a nominal generation capacity of 530 megawatts. The facility includes the following building structures and areas:

- Two Combustion Turbine Electrical Generators;
- Steam Powered Electrical Generator;
- Wet Surface Air Cooler (Wet SAC);
- Fin Fan (Close-loop Cooling System);
- Air Cooled Condenser;
- Plant Services Building;
- Laydown Area for Equipment/Parts Staging;
- Warehouse;

- Hazardous Materials Storage Shed;
- Hazardous Waste Accumulation Storage Shed; AND
- Water Treatment Building.

Percent Impervious: ~28%

Facility Contact:

Name: Angel Espiritu
 Title: Environmental Compliance Manager
 Company: Pacific Gas and Electric Company
 Phone: (925)522-7838
 Email: ABE4@pge.com
 Street Address: 3225 Wilbur Ave
 City: Antioch
 State: California
 Zip Code: 94509

1.5 Pollution Prevention Team

PG&E has identified a Pollution Prevention Team responsible for assisting with the implementation of this SWPPP and for conducting all monitoring required under the General Permit. The specific individuals (and job title) that are responsible for developing, implementing, and revising this SWPPP and conducting monitoring are identified in the Table I.

Table I Pollution Prevention Team

Name of Person	Title/Position	Responsibilities, Duties, and Activities
Jeremy Laurin	Water Quality Subject Matter Expert	Supervise SWPPP development and implementation; provide support and training to the ECM and Plant Manager; review of any documents uploaded to SMARTS; interface with the Regional and/or State Water Quality Control Boards when necessary.
Angel Espiritu	Environmental Compliance Manager (ECM)	Facility lead for storm water permit compliance, monitoring, and reporting; conduct employee training; supervise and/or conduct inspections and sampling, record and report maintenance; record and report spills and leaks; file documents in SMARTS; BMP Implementation, emergency response coordinator, spill cleanup coordination.
Name of Person	Title/Position	Responsibilities, Duties, and Activities
Steve Royall	Director, Fossil Generation	Legally Responsible Party (LRP); responsible for certification of Notice of Intent (NOI) within SMARTS.
Tim Wisdom	Sr. Plant Manager	Duly Authorized Representative (DAR); responsible for certification of documents within SMARTS.
Aman Singh	Maintenance Supervisor	BMP Implementation and maintenance.
David J. Hammond	Operations Supervisor	BMP Implementation and maintenance.

David Thurston	Plant Engineer	Engineering guidance, supervision and review of BMPs.
Doug Welch or available on-shift Power Plant Technician	Plant Chemist or available on shift power plant technician	Storm water inspections and sampling.

In the event that the Environmental Compliance Manager or other positions responsible for SWPPP implementation are temporarily unavailable to conduct storm water activities due to vacation, illness, out of town business or other absences, backup personnel will implement the SWPPP and conduct required monitoring. PG&E will train all backup personnel so they are familiar with storm water requirements.

The Environmental Compliance Manager, through the Operations or Maintenance Supervisor, will notify the backup PPT member of any expected absences. If the backup PPT member is unavailable, a tertiary individual will be selected and trained to perform the tasks necessary during the primary and secondary PPT member's absence. The backup PPT member has been trained to complete Environment Compliance Manager's tasks when the ECM is unexpectedly absent.

PG&E will ensure that this SWPPP is implemented and revised as necessary to be consistent with applicable municipal, state, and federal requirements that pertain to the requirements in the General Permit.

2. SITE LAYOUT AND EXISTING FACILITY PLANS (PERMIT SECTION X.E)

PG&E has prepared three figures illustrating the information required by the General Permit. These include Figure 1 Site Location Map, Figure 2 Facility Details Map, and the Figure 3 Storm Water Flow and BMP Map. The maps present the following information where applicable:

- Site location;
- North arrow;
- Facility boundary;
- Drainage areas;
- Portions of any drainage area impacted by discharges from surrounding areas;
- Direction of flow within each drainage area;
- On-facility surface water bodies;
- Areas of soil erosion;
- Nearby water bodies (e.g., rivers, lakes, wetlands);
- Municipal storm drain inlets;
- Location of storm water collection and conveyance systems;
- Points of discharge;
- Sampling locations;
- Structural control measures;
- Impervious areas;
- Locations of directly exposed materials;
- Locations of significant spills and leaks;
- Areas of industrial activity;
- Industrial storage areas/storage tanks;
- Shipping and receiving areas;
- Fueling areas;
- Vehicle and equipment storage/maintenance areas;
- Material handling/processing areas;
- Waste treatment and disposal areas;
- Dust or particulate generating areas;
- Cleaning and material reuse areas; and
- Other areas of industrial activity.

Storm water in Drainage Area A is generally conveyed from the south to the north. Surface run-off travels to drain inlets and/or rock-lined ditches which connect to a covered drainage conveyance into a concrete structure with flow valves. The valves on the outlet structure are typically left open to allow the discharge of stormwater in the wet season. The valves are typically left closed in the dry season to

provide an additional measure to capture potential pollutants if a spill occurred. Stormwater in Drainage Area B is contained in a depression centrally located in the drainage area and does not discharge. Additionally, there is no industrial activity in Drainage Area B. The facility details are shown on Figure 2.

3. LIST OF INDUSTRIAL MATERIALS (PERMIT SECTION X.F)

3.1 List of Industrial Materials Handled at the Facility

The following table lists the industrial materials stored or handled at the facility (as detailed in the Hazardous Materials Business Plan):

Table II Industrial Materials Handled at the Facility

Material	How Stored	Receiving/Shipping and Handling Frequency	Storage Location	Typical Quantities
Aqueous Ammonia (29%)	Aboveground Storage Tank (AST)	Weekly	Aqueous Ammonia Storage Area	18,000 gallons
Pre-blended Phosphate/Caustic (Soap)	Tote	Daily	Plant Services Building	460 gallons
Sodium Bisulfite	Tote	Monthly	Water Treatment Building	50 gallons
Stabilized Bromine/Sodium Hydroxide	Tote	Monthly	Water Treatment Building and Wet SAC	110 gallons
Sulfuric Acid	Tote	Semi-annual	Wet SAC	35 gallons
Corrosion/Scale Inhibitor/Sodium Hydroxide	Tote	Semi-annual	Wet SAC	110 gallons
Chlorine Scavenger	Tote	Monthly	Water Treatment Building	65 gallons
Mineral Oil	Transformers	As needed	Transformers (throughout the site) and the inlet chiller	58,000 gallons
Diesel Fuel No. 2	AST	Weekly	Water Treatment Building	500 gallons
Turbine Oil	Within Turbines / Drums	As needed	Combustion Turbines, Steam Turbine, Hazardous Materials / Waste Storage Shed	17,000 gallon

Material	How Stored	Receiving/Shipping and Handling Frequency	Storage Location	Typical Quantities
Mixed Oil	Drum	As needed	Hazardous Materials / Waste Storage Shed	55 gallon
Hydraulic Oil	Steam Turbine	As needed	Steam Turbine	130 gallons
Liquid Carbon Dioxide	Cylinder	As needed	Combustion Generators and CO2 Bulk Storage	36,000 gallons
Argon	Cylinder	As needed	Combustion Turbines	1,344 cubic feet
EPA Protocol Gases (Carbon Monoxide / Nitrogen / Oxygen / Nitric Oxide)	Cylinder	As needed	Combustion Turbines	4,896 cubic feet
Helium	Cylinder	As needed	Combustion Turbines and Gas Conditioning Station	2,200 cubic feet
Oxygen	Cylinder	As needed	Combustion Turbines	1,124 cubic feet
Hydrogen	Cylinder	As needed	Tube Trailer and Gas Conditioning Station	134,200 cubic feet
Nitrogen	Cylinder	As needed	Combustion Turbines, Steam Turbine, Inlet Chiller	8,735 cubic feet
Propane	Cylinder	As needed	Combustion Turbines and Plant Services Building	60 pounds
Acetylene	Cylinder	As needed	Plant Services Building	1,700 cubic feet
Petroleum Distillates	Within Transformer	As needed	Spare GSU Transformer	14,000 gallon
Refined Petroleum Oil	Drum	As needed	Spare GSU Transformer	55 gallons

Material	How Stored	Receiving/Shipping and Handling Frequency	Storage Location	Typical Quantities
Dielectric Fluid	Transformer housing	As needed	Plant Services Building Transformers, Water Treatment Building, Combustion Turbines, Main Electrical Control Enclosure and Inlet Chiller	4,800 gallons
Gear Lubricant	Gear Boxes (36) and Drums	As needed	Air Cooled Condenser Gear Boxes (36), Warehouse and Hazardous Materials / Waste Storage Shed	540 gallons
Lead Acid Batteries	Within Electrical Equipment	As needed	Combustion Turbines	48,000 pounds
Lead Calcium Batteries	Within Electrical Equipment	As needed	Switchyard	90 gallons
Sulfur Hexafluoride	Internally within breakers	As needed	Sulfur Hexafluoride Breakers	774 pounds
Carbon Dioxide, Gas	Cylinders	As needed	Stormwater Treatment System	6,620 cubic feet
HaloKlear BHR-50	Plastic Tote	As needed	Stormwater Treatment System	275 gallons
Yardney 3660 Media Filter (glass media beads)	Within Equipment	As needed	Stormwater Treatment System	6,300 pounds
Sodium Hydroxide	Plastic Container	As needed	Stormwater Treatment System	30 gallons
Non-hazardous trash	In enclosed dumpster	Daily	Laydown in roofed area	3 yards
Metal scraps for recycling	Roll-off bin with tarp cover	Weekly	Laydown area	20 yards

Material	How Stored	Receiving/Shipping and Handling Frequency	Storage Location	Typical Quantities
Wood Pallets	Outside	Daily	Laydown	50 to 100 total
Plastics	In enclosed dumpster	Daily	Laydown in roofed area	3 yards
Recyclables	In enclosed dumpster	Daily	Laydown in roofed area	3 yards
Cardboard	In enclosed cardboard compactor	Daily	Laydown in roofed area	3 yards
RCRA Waste (i.e., waste absorbent)	In secondary- contained drums within covered waste storage area	As needed	Hazardous Materials / Waste Storage Sheds	55 gallons
Non-RCRA Waste (i.e. oily debris)	In secondary- contained drums within covered waste storage area	As needed	Hazardous Materials / Waste Storage Sheds	55 gallons
Universal Waste (i.e., batteries and fluorescent light bulbs)	Bins	As needed	Hazardous Materials / Waste Storage Sheds	5 pounds
Monoethanolamine (30%-60%)	Tote	As needed	Northeast corner of Air Cooled Condenser (ACC)	400 gallons
Cooling Water Inhibitor (3DTRASAR)	Tote	As needed	Water Treatment Building	110 gallons
Antiscalant (Avista Vitec)	Drum	As needed	Water Treatment Building	60 gallons
Antifungal/bacteria/slime (Stabrex)	Tote	As needed	Water Treatment Building	110 gallons
Simple Green	2.5 gallon Containers	As needed	East of the Plant Services Building	10 gallons
Reclaimed water	Tanks	Daily	East of the Water Treatment Building	140,000 gallons
Wastewater	Tank	Daily	East of the Water Treatment Building	40,000 gallons

Material	How Stored	Receiving/Shipping and Handling Frequency	Storage Location	Typical Quantities
Turbine Cleaning Fluid	Tote	As needed	Parts and Miscellaneous Storage Building	250 gallons
Various solvents, degreasers, paints, adhesives, etc.	Fire Cabinet	As needed	East of the Plant Service Building	Typically less than 1 gallon each

4. DESCRIPTION OF POTENTIAL POLLUTANT SOURCES (PERMIT SECTION X.F AND G)

4.1 Industrial Processes

Gateway Generating Station facility manufactures electricity through the use of two natural gas fired combustion turbines and a steam powered generator. The industrial materials utilized throughout the facility are detailed in Table II. All industrial processes associated with manufacturing occur at locations denoted on Figure 2.

Industrial materials imported to the site are imported directly into the warehouse, directly to aqueous ammonia storage tank, the water treatment plant and the wet surface air cooler. Handling, shipping and receiving of hazardous materials including waste occurs at the frequencies denoted in Table II above. Storage areas identified in Table II are also denoted in Figure 2. These areas are further described as follows.

The aqueous ammonia is stored in an area that houses two 20,000 gallon capacity tanks. These tanks sit above grade within a secondary containment unit and a sump. This area has sufficient storage capacity to meet the facility's Risk Management Plan requirements. Storm water that collects in this sump is discharged to the sanitary sewer per a separate permit. This storage area has its own loading ramp that drains to the secondary containment sump below the tanks.

The hazardous materials storage shed, hazardous waste storage shed and hazardous materials accumulation shed are all covered sheds with secondary containment that meets the facilities hazardous materials business plan (HMBP) and SPCC plan requirements. The various oils the facility uses are stored within these sheds in 55 gallon drums. In addition to those drums universal waste and used absorbent is also stored within these sheds. Materials and wastes are moved using services vehicles.

All hazardous materials associated with the water treatment plant including the diesel fuel used for the emergency fire water system are housed in a roofed water treatment building. Secondary containment for these materials is provided. All of the ASTs within this area are filled by bulk delivery.

There are various transformers throughout the facility. These transformers are filled with dielectric oil and are housed in secondary containment that meets the facility's SPCC plan requirements.

Various hazardous materials are stored adjacent to the wet surface air cooler. These materials are all stored in sealed tanks within secondary containment. These tanks are filled by bulk delivery.

Trash, recyclable materials, and cardboard are accumulated in three separate dumpsters. The dumpsters have lids which are closed when the dumpsters are not actively used. To further isolate the dumpsters from exposure to storm water, they are housed under a roof.

Metals for recycling are accumulated in a roll off bin or bins and are covered when not actively in-use.

Various pressurized gases are stored throughout the facility for various uses. These pressurized gases are stored according to all applicable HMBP requirements.

Various batteries are stored throughout the facility for various uses. These batteries are stored in roofed buildings and according to all applicable HMBP requirements.

4.2 Material Receiving, Shipping, and Handling

Receiving

The facility receives regular deliveries of the materials listed in Table II. The materials stored in larger tanks are delivered by service trucks and are directly loaded into the respective vessels. Receiving and loading of materials (e.g., fuels, fuel additives, oils, and ammonia) is performed at the respective material storage areas. Other sources include smaller quantities of oils used in transformers, sulfuric acid used in batteries, and oils used in miscellaneous equipment and machines which are delivered to their various storage locations throughout the facility, including but not limited to the warehouse, plant services building, parts and miscellaneous storage building, and the water treatment building.

Material Handling

The primary function of the power plant facility is to generate electricity through a combined-cycle process utilizing natural gas as fuel. The potential pollutants at the facility are used in ancillary functions such as lubricants, aqueous ammonia for emissions control, and other various maintenance fluids. Most materials and wastes are transported via on-site pipe networks. For example, potable water is piped to the facility from a municipal water purveyor to the water treatment area and then transferred from the treatment plant to the boilers and other heat exchange equipment. Used water is conveyed to the sanitary sewer. Small quantities of other materials and wastes, typically for maintenance activities, are moved using services vehicles. There is a seldom used parts cleaning machine that is located outdoors, immediately east of the plant services building.

Waste

General trash is accumulated in dumpsters located north of the inlet chiller. The waste dumpster area is equipped with a storm resistant shelter. Trash is transferred to a collection facility by a service vendor.

Metals for recycling are accumulated in two dumpsters that are equipped with lids. One metal disposal dumpster is located near the trash dumpsters and the other is located east of the parts and miscellaneous storage building. Occasionally, roll-off dumpsters are placed near the warehouse during maintenance and repair operations.

Hazardous waste is temporarily stored onsite in storage sheds located east of the plant service building and the south-east corner of the warehouse. The majority of hazardous waste produced at the facility is waste oil sludge and used lubricating oil. Hazardous waste is picked up by a waste disposal vendor as necessary, though typically picked up more frequently; the hazardous waste vendor is on 90-day maximum schedule. An industrial service vendor visits the site weekly to perform a required weekly inspection and schedule waste pick-up.

The water-side effluent from the oil/water separator is conveyed to the sanitary sewer along with other waste water generated from plant operation. The oily sludge effluent is transported offsite for proper disposal.

Portable toilets are commonly placed onsite in various locations for construction and maintenance projects and are serviced regularly by a service vendor.

Shipping

The industrial product produced at the facility is electricity and therefore shipping of industrial products does not occur at this facility. The electricity generated at the facility is transmitted through the substation located west of the facility.

4.3 Dust and Particle Generating Activities

PG&E does not conduct any activities that generate dust and/or particles. The vents located on the combustion turbines are designed only for heat dissipation. The active areas of the site are paved or covered in gravel to prevent dusting.

4.4 Significant Spills and Leaks

Significant spills and leaks include any toxic chemicals identified in 40 Code of Federal Regulations (CFR) Section 302 that are discharged into the facilities' storm water conveyance system as reported on U.S. EPA Form R, as well as spills or leaks of oil and hazardous substances in excess of reportable quantities (40 CFR §§ 110, 117, and 302). PG&E contracts with a service vendor to respond to any significant spills of fuels, oil or other materials. During the routine monthly inspections, PG&E will evaluate the facility in areas where spills and leaks could potentially occur during material delivery, unloading, loading, transport, storage/containment, or use. There have not been any significant spills or leaks of industrial materials at this facility in the last five years that had potential to be discharged from the facility.

In accordance with the facility SPCC Plan and the General Permit, in the event that significant spills or leaks occur in the future, for each potential discharge PG&E will record and document the following information: the location, characteristics, and approximate quantity of the materials spilled or leaked; approximate quantity of the materials discharged from the facility's storm water conveyance system; the cleanup or remedial actions that have occurred or are planned; the approximate remaining quantity of materials that have the potential to be discharged; and the preventive measures taken to ensure spills or leaks of the material do not reoccur.

4.5 Non-Storm Water Discharges

A NSW is any water discharged at the Facility which is not the direct result of a rain event. Examples include process water, cooling water, wash water, and sanitary wastewater. Certain limited categories of NSWs are considered to be authorized by the General Permit (as long as they are not in violation of any Basin Plan, municipal agency ordinance, or other statewide water quality control plans or policy requirements), including: fire hydrant flushing; potable water sources; drinking fountain water; refrigeration, air conditioning, and compressor condensate; irrigation drainage and landscape watering; uncontaminated natural springs, groundwater, and foundation/footing drainage; seawater infiltration; and incidental windblown mist from cooling towers.

Authorized NSWs at the Gateway Generating Station facility are expected to be prevented or minimized and would occur at an unknown frequency if they arise with the exception of the fire system flushing. The fire system is flushed annually and the quantity of water would be equal to the amount in the system or necessary to flush the system. Expected authorized NSWs include:

- Fire system flushing water;
- Irrigation water;
- Eye wash system flushing and testing water; and
- Air conditioning or compressor condensate.

The NSWDs listed above are authorized by the General Permit if all of the following conditions are met:

- The NSWDs are in compliance with Regional Water Quality Control Board (RWQCB) requirements;
- The NSWDs are in compliance with local agency ordinances and/or requirements;
- BMPs are specifically included in the SWPPP to (1) prevent or reduce the contact of NSWDs with significant materials or equipment and (2) minimize, to the extent practicable, the flow or volume of NSWDs;
- The NSWDs do not contain significant quantities of pollutants;
- The monitoring program includes quarterly visual observations of each NSWSD 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 NSWSD.

Potential unauthorized NSWSDs 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 NSWSDs have been eliminated or prevented through the use of sumps, secondary containment structures, an oil/water separator, drains that convey waste to the oil/water separator, controlled site access, and the placement and maintenance of numerous spill clean-up kits throughout the facility.

4.6 Erodible Surfaces

There are three vegetated areas (Figure 3) that may be considered erodible surfaces at the facility. The only unpaved areas within the active facility exposed to storm water are flat gravel-capped surfaces between structures and adjacent to roadways, and three vegetated surfaces on the northeastern edge of the property.

The southern portion of the facility is inactive and self-contained, with a berm which surrounds the entire perimeter. This area has also been graded into a depression and decompacted to help increase infiltration of any storm water that lands within the area.

5. ASSESSMENT OF POTENTIAL POLLUTANT SOURCES (PERMIT SECTION X.G.2)

5.1 Narrative Assessment of Likely Pollutants Present in Storm Water Discharges

PG&E conducts frequent preventive maintenance to ensure that plant machinery, equipment and storage vessels are in good working order. The most likely potential pollutants in storm water discharges are the materials listed in Table II. Approximately 28 storm water catch basins drain the site and are located throughout the facility and in proximity to material storage areas. PG&E has implemented BMPs to control the offsite migration of potential pollutants by following good housekeeping, requiring immediate cleanup of spills, and by installing filter screens (Dandy Pops®) in storm water catch basins on the site, as appropriate. The filter screens are cleaned and/or replaced as needed.

5.2 Identification of Additional BMPs

In the event that conditions change or monitoring results indicate a need, PG&E will consider identifying additional BMPs to address the changed conditions or constituents of concern.

5.3 Identification of Drainage Areas with No Exposure

There is one drainage area at the facility with no exposure, as indicated on Figure 2. The southern area meets the requirements for no exposure, as there are no industrial activities occurring within it.

5.4 Identification of Additional Parameters

In addition to the standard parameters required for all industrial facilities (pH, oil & grease, and total suspended solids), PG&E will continue to analyze for total iron, as per the SIC code 4911 requirements of Table 1 and Attachment A of the General Permit.

The facility drains to the Delta Waterways (western portion) which is in the HUC 10 watershed of the site. The 303(d) listed impairments for the Delta include: Chlordane; Chlorpyrifos; Dichlorodiphenyltrichloroethane (DDT); Diazinon; Dieldrin; Dioxin; Dioxin compounds (including 2,3,7,8-TCDD); Disulfoton; Electrical Conductivity; Escherichia coli (E. coli); Furan Compounds; Group A Pesticides; Invasive Species; Mercury; Organic Enrichment/Low Dissolved Oxygen; Oxygen, Dissolved; Low Dissolved Oxygen; Pathogens; PCBs (Polychlorinated biphenyls) (dioxin-like); PCBs (Polychlorinated biphenyls); Selenium; and Unknown Toxicity. The sources of the impairments listed are primarily caused by agricultural sources or mineral resource extraction and the Gateway Generating Station does not have the potential to discharge most of the pollutants; however, electrical conductivity may be an exception.

Electrical Conductivity is a measure of the ability of water to pass an electrical current. Conductivity in water is affected by the presence of inorganic dissolved solids such as chloride, nitrate, sulfate, and phosphate anions (ions that carry a negative charge) or sodium, magnesium, calcium, iron, an aluminum cations (ions that carry a positive charge). Though the General Permit does not have a Numeric Action Level for electrical conductivity, the facility has the potential to discharge inorganic dissolved solids and analytical results may be beneficial as an indicator of other pollutant concerns; therefore, the facility will also collect and analyze samples for electrical conductance.

6. STORM WATER BEST MANAGEMENT PRACTICES (PERMIT SECTION X.H)

This section describes the BMPs implemented and maintained as a result of the activities assessment in Section 4. The current BMPs, when properly maintained, are effective for the operations at the facility. BMPs are divided into minimum and advanced measures.

6.1 Minimum BMPs (PERMIT SECTION X.H.1)

6.1.1 Good Housekeeping

- **Monthly Visual Inspections.** Once per calendar month, PG&E inspects all outdoor areas associated with industrial activity, including storm water discharge locations, drainage areas, conveyance systems, waste handling/disposal areas, and perimeter areas impacted by off-facility materials or storm water run-on to determine housekeeping needs. Any identified debris, waste, spills, tracked materials, or leaked materials identified during the inspections are cleaned and disposed of properly.
- **Tracking Control.** Although there is low potential for tracking of sediment at the facility, paved surfaces are swept on a monthly basis. Additionally sweeping will occur as needed.
- **Dust Control.** PG&E's power generation process does not generate dust, and the surface of the site is either paved, has a gravel cap, or is vegetated. Therefore, there is no need to implement dust control at this facility.
- **Cleaning Areas Impacted by Rinse/Wash Waters.** No washing or rinsing of equipment is performed at the facility. Parts are washed within an enclosed parts washer, within the roofed Plant Services building.
- **Industrial Materials Storage Control.** The facility stores all materials and performs all activities that involve hazardous materials under roofed areas (buildings or storage containers), within secondary containment, or during dry weather, if possible.
- **Control of Non-Solid Industrial Materials/Wastes.** The facility contains all stored non-solid industrial materials or wastes (e.g., fuel, waste oil) that can be transported or dispersed by wind or contact with storm water. Spill kits are maintained appropriately and allow for immediate response to spills. In addition, all materials are stored within secondary containment to prevent any spilled or leaked material from being transported by storm water. Numerous secondary containment structures have been designed and constructed throughout the facility to contain spills, leaks, or ruptures from various tanks and oil filled equipment. The secondary containment structures have been designed per SPCC requirements to contain the capacity of either 100 percent of the largest tank or 10 percent of all tanks or containers stored within the containment. Additional material and waste control information is included in the facility's Spill Prevention Control and Countermeasure (SPCC) Plan.
- **Control of Rinse/Wash Water Disposal.** No washing or rinsing is performed at the facility. The facility prevents the disposal of any industrial materials into the storm water conveyance system by maintaining spill kits appropriately and immediately responding to spills.
- **Minimize Storm Water Discharges from Non-Industrial Areas.** A non-industrial area exists within the facility, as denoted on Figure 2. This area is self-contained, with a berm surrounding the entire perimeter of this portion. This area has also been graded into a

depression and decompacted to help increase infiltration of any storm water that lands within the area, as described in Section 4.5.

- **Minimize Authorized NSWs from Non-Industrial Areas.** A non-industrial area exists within the facility and no authorized NSWs occur from it.

6.1.2 Spill and Leak Spill and Leak Prevention

The facility implements the following preventative maintenance measures:

- PG&E has identified the following outdoor equipment at the Facility which may spill or leak pollutants, as follows:
 - Containment areas, tanks and containers storing hazardous materials or wastes
 - Oil-filled electrical equipment and oil-filled operating equipment in the Radiator Area, and Transformer Yard
 - Service vehicles (when transporting materials such as drums of waste oil)
- Monthly observations of containment areas, tanks, equipment and systems are conducted to detect leaks, or identify conditions that may result in the development of leaks.
- The facility maintains a schedule for conducting routine maintenance of identified equipment and systems. There is a daily inspection of all equipment at the facility, monthly preventative maintenance and periodic servicing. Daily inspections are informal visual inspections by operators, and are not documented. Service vehicles are not washed on site.
- The facility has defined procedures for prompt maintenance and repair of equipment, and maintenance of systems when conditions exist that may result in the development of spills or leaks.
- The facility utilizes forklifts and golf carts that are loaned to the facility from PG&E Fleet. Fleet vehicles are repaired and maintained by the Fleet group.
- The manufacturer of the power generation equipment requires maintenance of equipment after a specified number of operating hours and therefore the facility conducts two shut-downs per year to maintain the facility's power generation equipment.

6.1.3 Spill and Leak Response

PG&E has established the following protocols to respond to spills and leaks:

- The facility has developed procedures to minimize spills and leaks. The facility has a SPCC Plan that addresses storage of materials and wastes.
- The facility has established spill and leak response procedures to prevent industrial materials from discharging through the storm water conveyance system. Spilled or leaked industrial materials are cleaned up promptly and disposed of properly.
- The facility has identified and described all necessary and appropriate spill and leak response equipment, locations of spill and leak response equipment, and spill/leak response equipment maintenance procedures, in the facility's HMBP and SPCC plans. Spill kits are maintained throughout the facility and denoted in maps located in the facility's HMBP.

- The facility has designated and trained appropriate spill and leak response personnel, identified as the PPT in Table 1 above. Spill and leak response personnel are trained annually, at a minimum. Plant operations personnel are responsible for spill cleanup; an outside vendor is used to respond to significant spills. Spill response personnel receive OSHA hazard communication training and spill training consistent with the hazardous materials business plan and SPCC plan.
- Powered industrial truck maintenance shall be performed on tarps or other impervious materials to capture spills.

6.1.4 Material Handling and Waste Management

PG&E has a robust program for addressing material handling and waste management, as follows:

- The facility minimizes the handling of industrial materials or wastes that can be readily mobilized by contact with storm water during storm events through the use of awnings at loading docks.
- The facility appropriately contains stored non-solid industrial materials or wastes (e.g., lubricant oil) that can be transported or dispersed by the wind or contact with storm water by storing these materials in secondary containment with water tight lids.
- Industrial waste disposal containers (dumpsters and metal waste recycling bins) and industrial material storage containers that contain industrial materials are covered with lids or plastic tarps when not in use.
- Site run-on and storm water generated from within the facility is diverted away from material storage areas.
- Spills of industrial materials or wastes that occur during handling are cleaned up in accordance with the spill response procedures.
- Outdoor material or waste handling equipment or containers that can be contaminated by contact with industrial materials or wastes are inspected and cleaned, as appropriate.

6.1.5 Erosion and Sediment Controls

Erosion is not a significant issue at the site because approximately 28 percent is paved and the remainder is covered with a gravel cap or is vegetated (Figure 3). Therefore, erosion is not a problem at the site, and the facility does not implement erosion and sediment controls.

6.1.6 Employee Training Program

PG&E employees responsible for implementing the storm water program at the Facility will receive annual storm water training. The facility has identified which personnel require training (per Section 1.5), their responsibilities, and the type of training they will receive, and will prepare or acquire appropriate training materials and establish a schedule for providing the training. All participants will sign a Training Log that will be kept in Appendix D. This documentation will be maintained with the SWPPP. Annual training is required once every calendar year. At a minimum, training will cover the following topics:

- BMP implementation;
- BMP effectiveness evaluations;
- Visual observations; and

- Monitoring activities.

In the event the Facility enters Level 1 status (see Section 9), appropriate team members will be trained by a Qualified Industrial SWPPP Practitioner (QISP). A QISP must complete a SWRCB-approved training course and assist in the preparation of ERAs for Level 1 and 2 status designations which are described in further detail in Section 9 of this SWPPP.

6.1.7 Quality Assurance and Record-Keeping

PG&E has done [and will continue to perform] the following to retain proper quality assurance and record-keeping:

- The facility has developed and implemented management procedures to ensure that appropriate staff implements all elements of the SWPPP, including the Monitoring Implementation Plan;
- The facility has developed a method of tracking and recording the implementation of BMPs identified in the SWPPP, through the monthly inspection process; and
- The facility will maintain the BMP implementation records, training records and records related to any spills and clean-up related response activities for a minimum of five years.

6.2 Advanced BMPs (Permit Section X.H.2)

In addition to the minimum BMPs described above in Section 6.1 and in Section X.H.1 of the General Permit, the facility will, to the extent feasible, implement and maintain any advanced BMPs necessary to reduce or prevent discharges of pollutants in its storm water discharge in a manner that reflects best industry practice considering technological availability and economic practicability and achievability.

6.2.1 Exposure Minimization BMPs

The facility has installed permanent storm resistant shelters to prevent contact of storm water with certain kinds of materials. These areas include the hazardous materials/waste storage sheds, and the Laydown area (e.g., for waste and recycling dumpsters).

6.2.2 Storm Water Containment and Discharge Reduction BMPs

These BMPs include structures that divert, infiltrate, reuse, contain, retain, or reduce the volume of storm water runoff. As described in Section 4.5, the facility includes gravel caps to areas that haven't been paved or are not roofed which may increase infiltration at the site and prevent erosion. Additional BMPs will be explored and implemented as needed.

6.2.3 Treatment Control BMPs

- **Oil/Water Separator.** The site is equipped with an oil/water separator; however, since the effluent from the oil/water separator is conveyed to the municipal sanitary sewer (which is permitted through the publicly owned treatment works), this water is not considered storm water discharge. The oil (if any) is separated and sent offsite for proper disposal. The coalescer packs are inspected regularly and cleaned if indicated by inspection.

- **Parts Cleaner.** The site is equipped with a parts cleaner that is located outdoors on the east side of the maintenance shop. The manufacturer inspects the washer and replaces the solvent as necessary.
- **Drain Inlet Filters.** Filter screens (Dandy Pops®) are installed in storm water catch basins on the site, as appropriate, to capture sediment. The filter screens are cleaned and/or replaced as needed.
- **Stormwater Chemical Treatment/Filtration System.** The site is equipped with a standard chemical treatment and filtration system for the stormwater prior to discharge. The treatment system is located immediately adjacent to the existing outfall, E-006, to allow treatment of all of Gateway Generating Station's stormwater prior to discharge into the river. The system is expected to reduce the total iron content of the storm water effluent to less than or equal to 1 ppm.

Design of the system was precluded by volume-based calculations to meet the provisions of the IGP (see memo dated October 12, 2016 found in Appendix H). The volume of runoff produced from an 85th percentile 24-hour storm event and 85th Percentile Hourly Rainfall Intensity per the IGP, as determined from local, historical rainfall records produces a maximum of 229,562 gallons. The design volume processing rate of the treatment system is 468,895 gallons, both meeting and exceeding the volume-based calculations of the IGP.

Treatment steps for the treatment system are as follows:

1. The storm water is pH adjusted to allow the iron to precipitate out of the stormwater,
2. A chemical flocculating agent is added to clump the iron particles together,
3. The stormwater is settled and pumped over a series of small weirs to capture the solids,
4. Stormwater is then passed through the media filters for finer particulate removal,
5. The water is monitored real-time to assure it meets discharge criteria, if it does not meet pH or turbidity criteria, it is recirculated, and,
6. The treated stormwater is discharged into the San Joaquin River.

6.2.4 Other Advanced BMPs

At this time, the Facility does not implement other advanced BMPs. In the event that conditions change or monitoring results indicate a need, PG&E will consider additional advanced BMPs to address the changed conditions or constituents of concern.

7. TEMPORARY SUSPENSION OF ACTIVITIES (PERMIT SECTION X.H.3)

PG&E's Gateway Generating Station operates two shifts, seven days a week. The facility does not have any plans to suspend industrial activities for ten or more consecutive calendar days in any given year. Therefore, this section of the General Permit is not applicable.

8. BMP SUMMARY (PERMIT SECTIONS X.H.4 AND 5)

The following table summarizes each identified area of industrial activity, the associated industrial pollutant sources, the industrial pollutants, and the BMPs implemented. The approximate boundaries of Drainage Areas A and B are shown on Figure 2. The PPT identified in Section 1.5 is responsible for implementing all BMPs at the site. Some of the BMPs described below require the use of mechanical equipment, such as forklifts, in order to perform maintenance activities on the BMPs. PPT members are authorized to use the required equipment or to obtain the help of other facility staff to maintain the BMPs onsite. The facility mechanics are responsible for maintaining the mechanical equipment throughout the facility.

To retain effectiveness during and after significant weather conditions, certain BMPs need to be inspected more frequently than monthly. These BMPs will be informally inspected by PPT members during large rain events or following rain events.

Table III BMP Summary

Drainage Area	BMPs Implemented	Associated Industrial Pollutant Sources	Potential Industrial Pollutants	Frequency of BMP Implementation
Combustion turbines	Spill kit	Oil Filled Equipment (Transformers)	Petroleum hydrocarbons, heavy metals	As needed
	Secondary containment	Aqueous Ammonia for exhaust system	Aqueous Ammonia	As needed
	Check dams	All facility pollutants	Suspended Sediment	As needed
Oil and Universal Waste Storage Used Oil / Hazardous Waste Storage	Spill kits	Truck access	Petroleum hydrocarbons, heavy metals	As needed
	Parts Cleaner	Part Cleaning	Solvents, lubricants, metals	As needed
	Spill kits and secondary containment	Spills during shipping and receiving	Petroleum hydrocarbons, heavy metals	As needed
	Covered forklift parking	Forklift	Vehicle related pollutants	Daily
Water Treatment Plant	Spill kit	Truck access	Petroleum hydrocarbons, heavy metals	As needed
	Spill kits and secondary containment	Spills during shipping and receiving	Diesel, various chemicals	As needed
	Fueling Sump	Fuel	Petroleum	Permanent
Trash and Scrap Metal Dumpsters	Dumpsters have lids, roll offs are tarped	Spills during shipping and receiving	Metals and non-petroleum waste	Cover daily when not in use
	Storm resistant shelter	Waste	Metals, oils, suspended solids	Permanent

Warehouse	Run-on diversions	Run-on from neighboring facilities	Iron	Permanent
Discharge Location	Valves and Concrete Containment	All facility pollutants	All potential pollutants	Permanent
	Treatment and filtration			As needed
All Drainage Areas	Drain inlet filters	All pollutant sources	All potential pollutants	Permanent
	Rock-lined ditches	All pollutant sources	Suspended solids	Permanent
	Site has access control and security 24 hours a day, 7 days a week	All pollutant sources	All potential pollutants	As needed
	Oil/Water Separator	All pollutants	Oils and Grease	Daily
	Oil absorbent socks around various drain inlets	All pollutant sources	Oils and Grease	Daily
	Powder coated drain inlet grates	Rusting grates	Iron	Permanent
	“No Dumping, Drains to Delta Signs”	Illicit dumping	All potential pollutants	Permanent

9. MONITORING IMPLEMENTATION PLAN (PERMIT SECTION X.I)

As described above in Section 1.5, PG&E has assembled a PPT that includes members assigned to conduct storm water monitoring. The facility has one industrial discharge location which is also the sampling location. The discharge location (Sample Location E-006) is located at the northern perimeter of the facility. Analytical monitoring and visual observations will be conducted at the sampling location shown on Figure 2.

Procedures for Monthly Visual Observations

PG&E will conduct visual observations within the drainage area at the facility at least once per calendar month, which will include an evaluation of:

- Presence or indications of prior, current, or potential unauthorized NSWDS and their sources;
- Authorized NSWDS, sources, and associated BMPs; and
- Outdoor industrial equipment and storage areas, outdoor industrial activities areas, BMPs, and all other potential source of industrial pollutants.

Monthly visual observations will be conducted during daylight hours of scheduled facility operating hours and on days without precipitation. Visual observations will be recorded on the form provided in Appendix E. Information to be recorded will include the date, approximate time, locations observed, presence and probable source of any observed pollutants, name of person(s) that conducted the observations, and any response actions and/or additional SWPPP revisions necessary in response to the visual observations. To ensure adequate documentation of response action completion, a PPT member will initial and date the documented response action when the action is complete. If a monthly visual observation is not conducted, PG&E will provide an explanation in the Annual Report.

Procedures for Sampling Event Visual Observations

PG&E will conduct visual observations at the same time sampling occurs at a discharge location. At each discharge location where a sample is obtained, PG&E will observe the discharge of storm water associated with industrial activity and record these observations on the form provided in Appendix E. The same types of information will be recorded as for the monthly inspections. The following items will be observed and recorded:

- The appearance of storm water discharged from containment sources (e.g., secondary containment or sumps) at the time that the discharge is sampled;
- The presence or absence of floating and suspended materials, oil and grease, discolorations, turbidity, odors, trash/debris, and source(s) of any discharged pollutants.

In the event that a discharge location is not visually observed during a sampling event, PG&E will record which discharge locations were not observed during sampling or that there was no discharge from the discharge location and will provide an explanation in the Annual Report for uncompleted sampling event visual observations. PG&E will revise BMPs as necessary if the visual observations indicate pollutant sources have not been adequately addressed in the SWPPP. If any response actions are noted during Sampling Event Visual Observations, a PPT member will initial and date the documented response action when the action is complete.

Sampling and Analysis

Samples will be collected during Qualifying Storm Events (QSE). A QSE is defined as a precipitation event that produces a discharge for at least one drainage area and is preceded by 48 hours with no discharge from any Facility drainage area. PG&E will collect and analyze storm water samples from two QSEs within the first half of each reporting year (July 1 to December 31), and two QSEs within the second half of each reporting year (January 1 to June 30). Samples will be collected within four hours of the start of discharge at the E006 discharge/sampling location shown on Figure 2. The sampling point at E006 is upstream from the actual discharge into the San Joaquin River (Outfall), due to the comingling of our discharge with the neighboring industrial facility just after E006 and prior to Outfall.

Sampling will be performed in accordance with requirements of the General Permit. Use caution when collecting samples at night and do not collect samples without sufficient lighting. Samples will be collected and analyzed for pH, oil and grease, total suspended solids, and total iron (based on the facility's SIC code listed in Table 1 of the General Permit for additional analytical parameters). Sampling results will be compared to two types of NAL values based on the specific parameter to determine whether either type of NAL has been exceeded for each applicable parameter. Annual NAL exceedances are based on analytical results for the entire facility for the reporting year, while Instantaneous NAL exceedances are based on analytical results from each distinct sample. The table below describes test methods, reporting units, and NAL values:

Table IV NAL Values

Parameter	Test Method	Reporting Units	Annual NAL	Instantaneous Maximum NAL
pH	Portable instrument*	pH units	N/A	<6.0 or >9.0
Oil and Grease	EPA 1664A	mg/L	15	25
Total Suspended Solids	SM 2540-D	mg/L	100	400
Total Iron	EPA 200.7	mg/L	1.0	--
Electrical Conductivity			N/A	N/A

*The pH screen will be performed as soon as practicable, but no later than 15 minutes after the sample is collected and will be analyzed using a calibrated portable instrument for pH.

All instruments used for pH measurement will be properly calibrated in accordance with the manufacturer's instructions and recommended frequency, and copies of the calibration records will be maintained onsite. Samples for total iron, total suspended solids, oil and grease, and electrical conductivity will be analyzed by an analytical laboratory that is Environmental Laboratory Accreditation Program (ELAP)-certified. All samples will be collected in accordance with Attachment H of the General Permit ("Sample Collection and Handling Instructions") and handled under proper Chain-of-Custody (COC) protocols. General Permit Attachment H and an example COC are included in Appendix F.

Though there are Effluent Limitation Guidelines (ELGs) for Electric Power Generation facilities, which require copper and chlorine analysis, the regulation only applies to runoff from coal storage piles and therefore the ELGs for Electric Power Generation do not apply to this facility because coal is not stored or used at the facility.

Exceedance Response Actions

ERAs are required when an NAL exceedance occurs for any parameter. At the beginning of NOI coverage, PG&E will enter as a Baseline status for all parameters designated in Table IV above. If sampling results indicate an NAL exceedance [either annual or instantaneous] for any parameter listed in Table IV, the status will move up to Level 1 for that parameter on July 1st following the reporting year during which the exceedance occurred (i.e., if there was an instantaneous exceedance on September 30, 2015, Level 1 would begin on July 1, 2016). Moving to Level 1 status triggers two actions: a Level 1 ERA Evaluation and a Level 1 ERA Report, both prepared with assistance of a QISP.

- A Level 1 ERA Evaluation, due by October 1 following commencement of Level 1 status, consists of completing an evaluation of the industrial pollutant sources at the facility that may be related to the NAL exceedance and evaluate all BMPs to determine if revisions are necessary to prevent future NAL exceedances.
- A Level 1 ERA Report, due by January 1 following commencement of Level 1 status, is prepared after the Level 1 ERA Evaluation and consists of revising the SWPPP as necessary to implement any additional BMPs identified in the Evaluation and submitting via SMARTS the Level 1 ERA Report with details regarding SWPPP revisions and the results of the Evaluation.

A Level 1 status for any exceeded parameter will return to Baseline status once the Level 1 ERA Report has been completed, additional BMPs have been implemented, and results from four consecutive QSEs indicate no additional NAL exceedances for that parameter.

The status for any exceeded parameter will change to Level 2 if sampling results indicate an NAL exceedance for that same parameter while in Level 1 (i.e., if Level 1 was implemented on July 1, 2015 and an exceedance occurred on December 1, 2015, Level 2 would be triggered on July 1, 2016). Moving to Level 2 status triggers two actions: a Level 2 ERA Action Plan and a Level 2 ERA Technical Report, both prepared with assistance of a QISP.

- A Level 2 ERA Action Plan, due by January 1 following the reporting year during which the NAL exceedance occurred, consists of a schedule and description of implementing a particular demonstration, as described in the Level 2 Technical Report, in response to the NAL exceedance.
- A Level 2 ERA Technical Report, due by January 1 of the reporting year following the submittal of the Level 2 ERA Action Plan, describes one or more of the demonstrations in response to the NAL exceedance: Industrial Activity BMPs Demonstration, Non-Industrial Pollutant Source Demonstration, and/or Natural Background Pollutant Source Demonstration (as described in the General Permit Section XII.D.2).
- A Level 2 ERA Technical Report may be prepared and submitted at any time, whether or not the Facility is required to submit such a report.

A new Level 2 NAL exceedance is any Level 2 NAL exceedance for 1) a new parameter in any drainage area, or 2) the same parameter that is being addressed in an existing Level 2 ERA Action Plan in a different drainage area.

NAL exceedances, in and of themselves, are not violations of the General Permit. Failure to comply with the Level 1 status and/or Level 2 status ERA requirements is in violation of the General Permit.

PG&E Gateway Generation Station ERA Status

<i>Reporting Year</i>	<i>ERA Level Status</i>	<i>Parameter</i>	<i>Level 1 ERA Evaluation Completion Date</i>	<i>Level 1 ERA Report Submittal Date</i>	<i>Level 2 ERA Action Plan Submittal Date</i>	<i>Level 2 ERA Technical Report Submittal Date</i>

2015-2016	Baseline	N/A	N/A	N/A	N/A	N/A
2016-2017	Level 1	Iron, Total	09/27/2016	12/30/2016	N/A	N/A

See Appendix H for the ERA Evaluation(s) and Report(s)

Reporting

PG&E will submit all sampling and analytical results via SMARTS within 30 days of obtaining all results for each sampling event. In the event a sample's analytical result is reported by the laboratory as non-detect or less than the method detection limit, the method detection limit will be provided. A value of zero will not be reported.

PG&E will provide the sample analytical results reported by the laboratory as below the minimum level (often referred to as the reporting limit) but above the method detection limit. Reported analytical results from multiple discharge points will be averaged automatically by SMARTS. For any calculations required by this General Permit, SMARTS will assign a value of zero for all results less than the minimum level as reported by the laboratory.

10. ANNUAL REPORTING (PERMIT SECTIONS XV AND XVI)

PG&E will conduct an Annual Comprehensive Facility Compliance Evaluation (Annual Evaluation) each reporting year (July 1 to June 30). If the Annual Evaluation is conducted fewer than eight months, or more than sixteen months, after the previous Annual Evaluation, the facility will document the justification for doing so. Within 90 days of the Annual Evaluation, PG&E will revise the SWPPP, as appropriate, and implement the revisions. At a minimum, the Annual Evaluation will cover the following:

- Review of all sampling, visual observation, and inspection records conducted during the previous reporting year;
- Inspection of all areas of industrial activity and associated potential pollutant sources for evidence of, or the potential for, pollutants entering the storm water conveyance system;
- Inspection of all drainage areas previously identified as having no exposure to industrial activities and materials in accordance with the definitions in Section XVII;
- Inspection of equipment needed to implement the BMPs;
- Inspection of all site BMPs;
- Review and effectiveness assessment of all BMPs for each area of industrial activity and associated potential pollutant sources to determine if the BMPs are properly designed, implemented, and are effective in reducing and preventing pollutants in industrial storm water discharges and authorized NSWDs; and
- Assessment of any other factors needed to comply with the requirements in Section XVI.B.

Information gathered during the Annual Evaluation will be recorded on the form provided in Appendix E.

Annual Report

PG&E will certify and submit via SMARTS an Annual Report no later than July 15th following each year. The Annual Report will be created by the Environmental Compliance Manager, reviewed by the Subject Matter Expert, and certified by the Legally Responsible Party. The Annual Report will include the following:

- A Compliance Checklist that indicates compliance with all applicable requirements of the General Permit;
- An explanation for any non-compliance of requirements within the reporting year;
- Identification of all revisions made to the SWPPP within the reporting year; and
- The date of the Annual Evaluation.

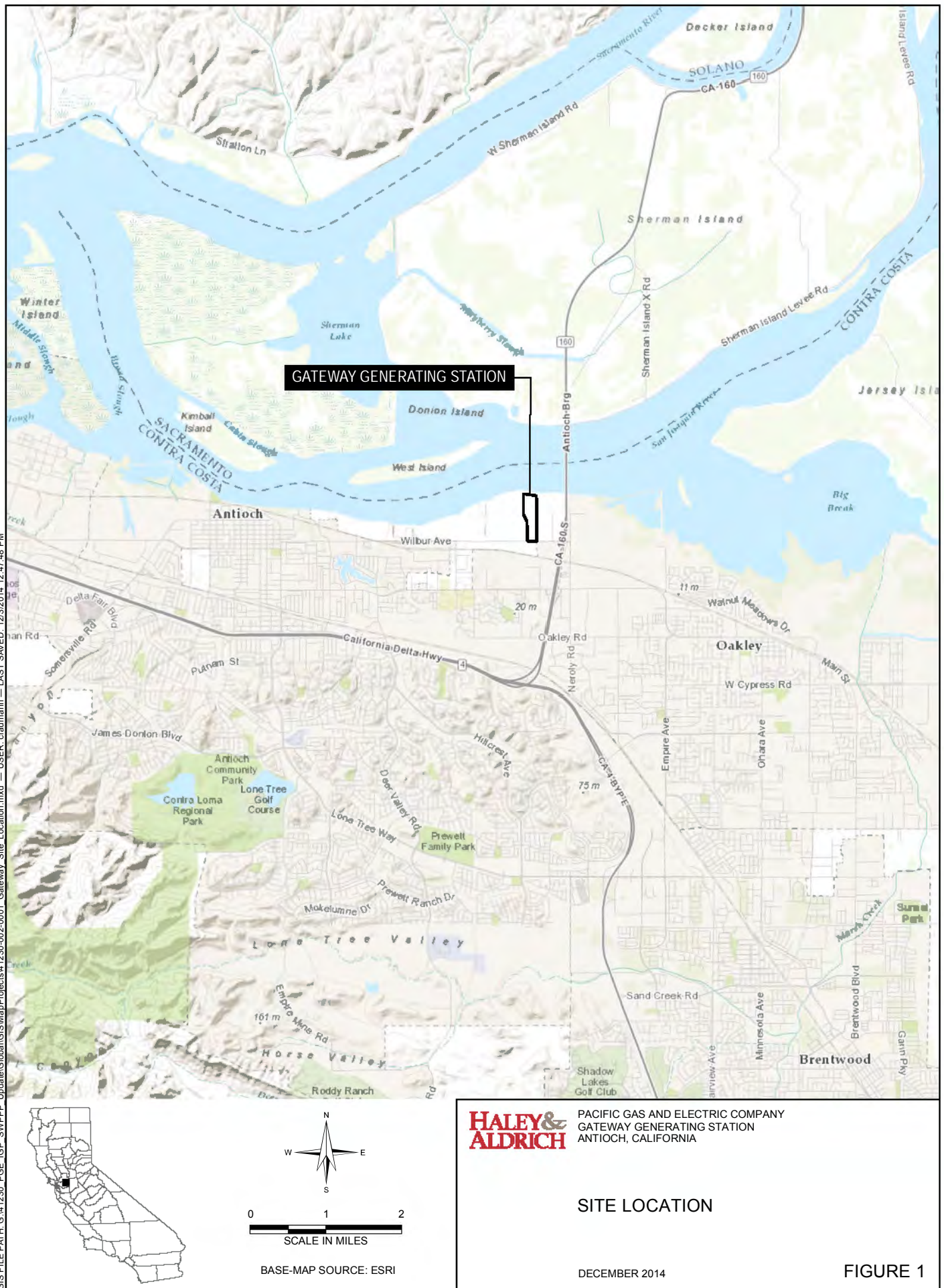
Copies of the Annual Report are included in Appendix G.

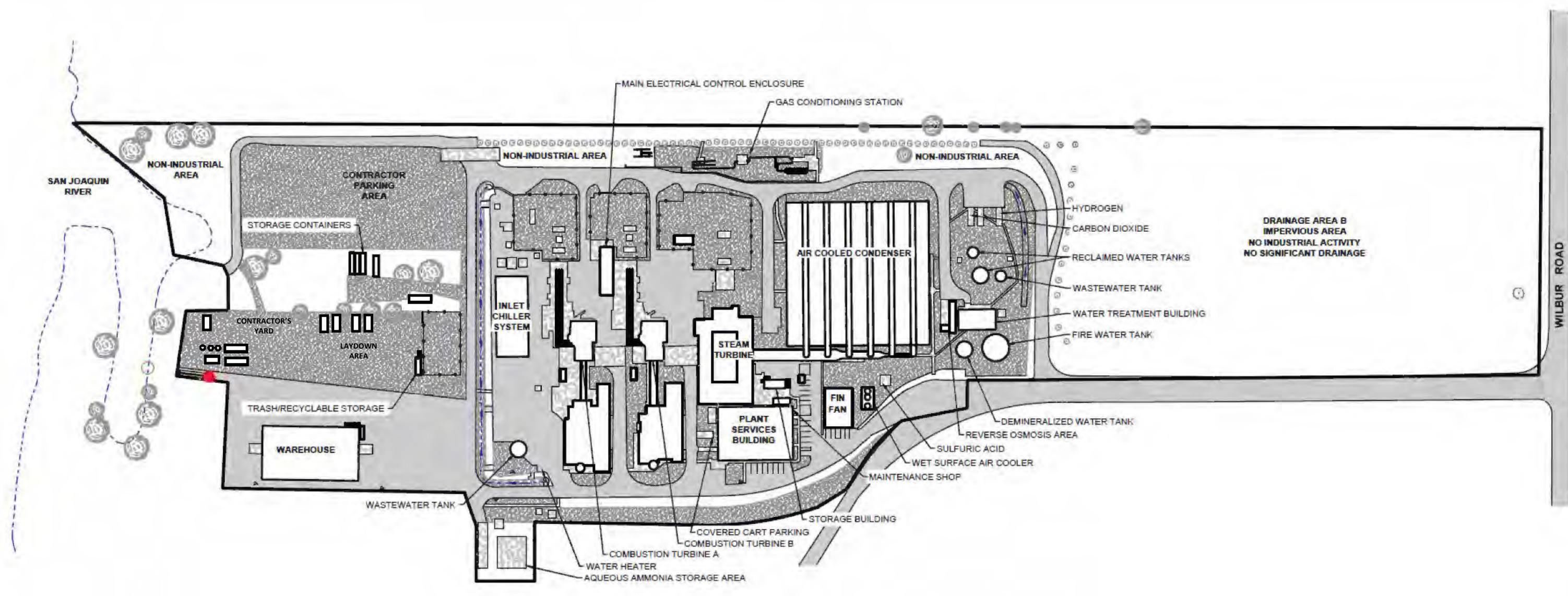
REFERENCES

1. California State Water Resources Control Board. Industrial Storm Water Permit for Discharges Associated with Industrial Activity (Order No. 2014-0057-DWQ). 2014.
2. Excerpts from Gateway Generating Facility Hazardous Materials Business Plan.
3. Spill Prevention, Control, and Countermeasures Plan for Gateway Generating Station, initially prepared by CH2MHill January 12, 2009 and revised August 2, 2013.

FIGURES

GIS FILE PATH: G:\41230_PGE_IGP_SWPPP_Update\Global\GIS\MapProjects\41230-002-0001_Gateway_Site_Location.mxd — USER: craumann — LAST SAVED: 12/3/2014 12:47:48 PM



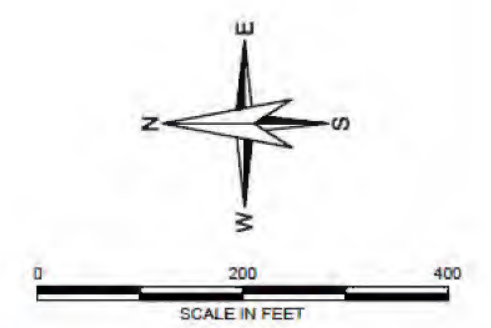


LEGEND

- STORM WATER DISCHARGE/SAMPLING POINT
- FACILITY BOUNDARY
- CO-MINGLED OUTFALL POINT
- ASPHALT CONCRETE
- CONCRETE
- GRAVEL
- ⊗ TREE/VEGETATION

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

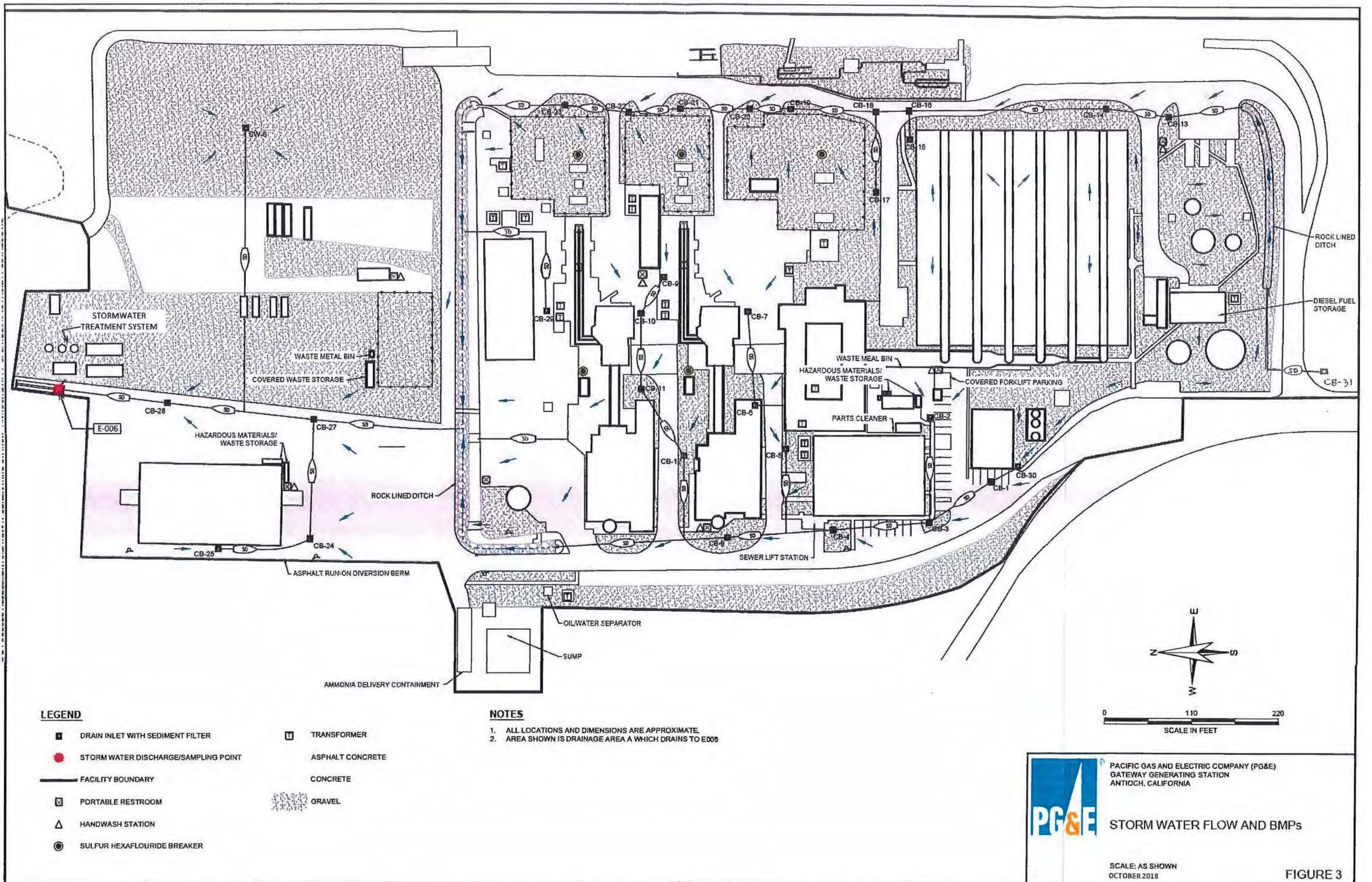


PACIFIC GAS AND ELECTRIC COMPANY (PG&E)
GATEWAY GENERATING STATION
ANTIOCH, CALIFORNIA

FACILITY DETAILS

SCALE: AS SHOWN
FEBRUARY 2017

FIGURE 2



APPENDIX A

**General Permit for Storm Water Discharges Associated with Industrial Activities
(State Water Resources Control Board Order 2014-0057-DWQ)**

APPENDIX B

Permit Registration Documents



State Water Resources Control Board
NOTICE OF INTENT

GENERAL PERMIT TO DISCHARGE STORM WATER
ASSOCIATED WITH INDUSTRIAL ACTIVITY (WQ ORDER No. 2014-0057-DWQ)
(Excluding Construction Activities)



GAVIN NEWSOM
GOVERNOR

JARED BLUMENFELD
SECRETARY FOR
ENVIRONMENTAL PROTECTION

WDID: 5S07I021950

Status: Active

Operator Information

Type: Private Business

Name: Pacific Gas Electric Company

Contact Name: Tim Wisdom

Address: PO Box 770000

Title: Plant Manager

Address 2:

Phone Number: 925-522-7812

City/State/Zip: San Francisco CA 94177

Email Address: T1WY@pge.com

Federal Tax ID:

Facility Information

Level:

Contact Name: Angel Espiritu

Title: Environmental Compliance Manager

Site Name: Gateway Generating Station

Address: 3225 Wilbur Ave

City/State/Zip: Antioch CA 94509

Site Phone #: 925-522-7838

County: Contra Costa

Email Address: abe4@PGE.com

Latitude: 38.01228

Longitude: -121.75859

Site Size: 32.5 Acres

Industrial Area Exposed to Storm Water: 22 Acres

Percent of Site Impervious (Including Rooftops): 28 %

SIC Code Information

1. 4911 Electric Services

2.

3.

Additional Information

Receiving Water: San Joaquin River

Flow: Indirectly

Storm Drain System:

Compliance Group:

RWQCB Jurisdiction: Region 5S - Sacramento

Phone: 916-464-3291

Email: r5s_stormwater@waterboards.ca.gov

Certification

Name: stephen royall

Date: June 14, 2017

Title: Senior Plant Manager



State Water Resources Control Board
NOTICE OF INTENT
GENERAL PERMIT TO DISCHARGE STORM WATER
ASSOCIATED WITH INDUSTRIAL ACTIVITIES (WQ ORDER No. 2014-0057-DWQ)
(Excluding Construction Activities)



WDID: 5S07I021950

Status: Active

Operator Information

Type: Private Business

Name: Pacific Gas Electric Company

Contact Name: Benjamin Stanley

Address: PO Box 770000

Title: Senior Plant Manager

Address 2:

Phone #: 925-522-7812

City/State/Zip: San Francisco CA 94177

Email: BESN@pge.com

Federal Tax ID: 94-0742640

Facility Information

Level:

Site Name: Gateway Generating Station

Contact Name: Angel Espiritu

Address: 3225 Wilbur Ave

Title: Environmental Compliance Manag

City/State/Zip: Antioch CA 94509

Site Phone #: 925-522-7838

County: Contra Costa

Email: ABE4@PGE.com

Latitude: 38.01228

Longitude: -121.75859

Emergency:

Total Site Size: 32.5 Acres

Percent of Site Impervious (including rooftops): 28 %

Industrial Area exposed to Storm Water: 22 Acres

SIC Code(s)

Primary SIC: 4911

Electric Services

Secondary SIC:

Tertiary SIC:

Additional Information

Receiving Water: San Joaquin River

Water Flow: Indirectly

Storm drain system:

Compliance Group:

RWQCB Jurisdiction: Region 5S - Sacramento

Phone: 916-464-3291

Email: r5s_stormwater@waterboards.ca.gov

Certification

Name Benjamin Stanley

Date: June 03, 2015

Title: Senior Plant Manager

Attachments Meta Data Information:

Attachment ID	File Name	File Description	File Hash	File Size	Date Attached	Attachment Type
1393445	14-15 AR & Recert Reminder Letter	14-15 AR & Recert Reminder Letter	e4101d3683ba9ccd e463ee75ce71789 3ca19ad7dfa27b69 cde4b24692d959	199940	2015-05-04 07:10:34.0	Other

APPENDIX C

SWPPP Amendment Form

SUMMARY OF SWPPP AMENDMENTS OR REVISIONS

[illegible]

APPENDIX D

Training Log, including training material

SWPPP Training Log

Name of Trainer: _____

Location of Training: _____ Date of Training: _____

Signature of Trainer: _____

Topics covered:

- ☐ SWPPP Compliance Responsibilities
- ☐ BMP Implementation and Maintenance
- ☐ BMP Effectiveness Evaluations
- ☐ Visual Observations
- ☐ Monitoring Activities
- ☐ SMARTS Reporting

[illegible]

APPENDIX E

**Industrial Storm Water Facility Inspection and Visual Observation Form
Annual Evaluation Form
Sampling Log**

Industrial Storm Water Facility Inspection and Visual Observation Form

General Information						
Facility Name	Gateway Generating Station					
WDID No.	5S07I021950					
Date of Inspection		Start/End Time				
Inspector's Name(s)						
Inspector's Title(s)						
Inspector's Contact Information						
Inspector's Qualifications						
Inspector's Signature						
Type of Inspection ^{1,2}	<input type="checkbox"/> Monthly Visual Observation <input type="checkbox"/> Sampling Event Visual Observation					
Weather Information						
Weather at time of this inspection? <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snow <input type="checkbox"/> High Winds <input type="checkbox"/> Other: _____ Temperature: _____						
If this is a sampling event visual observation, fill in storm event information: Date and Time Storm Began: _____ Rain Gauge Level: _____ Rain Gauge ID: _____ Date and Time Discharge Began: _____ Previous Discharge Ended Greater Than 48 Hours: <input type="checkbox"/> Yes <input type="checkbox"/> No						
Visual Observations						
Are there any spills/leaks observed at the time of inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____						
Have any previously unidentified discharges of pollutants occurred since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____						
Are there any discharges occurring at the time of inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, note the presence of any of the following: <input type="checkbox"/> Floating Materials <input type="checkbox"/> Sheen <input type="checkbox"/> Discoloration <input type="checkbox"/> Turbidity <input type="checkbox"/> Odor <input type="checkbox"/> Trash/Debris <input type="checkbox"/> Other: Describe all checked above: _____						
Outfall Observations						
Outfall No.	Observations	Is NSWDP Present?	Potential Source(s) of NSWDP	Corrective Action	Person Contacted	Date Corrective Action Completed
E-006		<input type="checkbox"/> Yes <input type="checkbox"/> No				
		<input type="checkbox"/> Yes <input type="checkbox"/> No				
		<input type="checkbox"/> Yes <input type="checkbox"/> No				

¹ Monthly visual observations will be conducted during daylight hours of normally scheduled facility operation and on days without precipitation. Sampling event visual observations will be recorded at the same time sampling occurs at a discharge location.

² For monthly visual observations, pages 1-5 need to be completed. For sampling event visual observations, pages 1-2 need to be completed.

BMP Control Measures

- Number the structural storm water control measures identified in your SWPPP below (add as many control measures as are implemented on-site).
- Describe corrective actions initiated, date completed, and note the person that completed the work.

	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)	Date Corrective Action Completed	Initials of Person Responsible for the Correction Action
1	Drain Inlets	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement			
2	Secondary Containment: Transformers	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement			
3	Secondary Containment: Turbines/Oil-filled Equipment	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement			
4	Secondary Containment: Firewater Pump Bldg	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement			
5	Secondary Containment: Hazardous Material/Waste Sheds	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement			
6	Trash/Scrap Dumpsters	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement			
7	Oil/Used Oil Storage	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement			
8	Ditches/Outfall	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement			
9	Iron Treatment System	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement			
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement			

Areas of Industrial Materials or Activities exposed to storm water

Below is a list of areas that should be assessed during routine inspections. Customize this list as needed for the specific types of industrial materials or activities at your facility.

	Area/Activity	Inspected?	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed and Notes	Date Corrective Action Completed	Initials of Person Responsible for the Correction Action
1	Material loading/unloading and storage areas	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No			
2	Equipment operations and maintenance areas	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No			
3	Fueling areas	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No			
4	Outdoor vehicle and equipment washing areas	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No			
5	Waste handling and disposal areas	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No			
6	Erodible areas/construction	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No			
7	Non-storm water/ illicit connections*	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No			
8	Dust generation and vehicle tracking	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No			
9	General Housekeeping	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No			
10		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No			

*Include a description of the source, quantity, frequency, and characteristics of the non-storm water discharges, associated drainage area, and whether it is an authorized or unauthorized non-storm water discharge.

BMP Implementation Tracking and Recording

Describe all BMP implementation and/or maintenance that occurred since the last inspection here.

Non-Compliance

Describe any incidents of non-compliance observed and not described above:

Additional Control Measures**

Describe any additional control measures needed to comply with the permit requirements:

****Additional Control Measures include the following categories as described in the General Permit:**

Minimum BMPs: *Good Housekeeping; Preventative Maintenance; Spill and Leak Protection; Material Handling and Waste Management; Erosion and Sediment Controls; Employee Training; and Quality Assurance and Record Keeping*

Advanced BMPs: *Exposure Minimization; Storm Water Containment and Discharge Reduction; and Treatment Control*

Notes

Use this space for any additional notes or observations from the inspection:



Annual Compliance Evaluation Form

General Information			
Facility Name:		Evaluation Date:	
Facility Location:		WDID#:	
Is the SWPPP Onsite?	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Is the NOI Onsite?	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
Document Review Information			
Have all sampling records from the previous reporting year been reviewed?		Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	
Document any trends, concerns, or notable information about sampling records here.			
Have all visual observation and inspection records from the previous reporting year been reviewed?		Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	
Document any trends, concerns, or notable information about inspection records here.			
Have all industrial activity areas and associated potential pollutant sources been inspected for evidence of or the potential for, pollutants entering the storm water conveyance system?		Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	
Document any trends, concerns, or notable information about industrial areas and pollutants here.			
Have all drainage areas previously identified as having no exposure to industrial activities and materials been inspected?		Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	
Document any trends, concerns, or notable information about no exposure areas here.			
Has all equipment needed to implement BMPs been inspected?		Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	
Document any trends, concerns, or notable information about BMP implementation equipment here.			



Annual Compliance Evaluation Form

Have all BMPs been inspected?	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
Document any trends, concerns, or notable information about BMPs here.	
Has a review and effectiveness assessment of all BMPs been conducted for each area of industrial activity and associated pollutant potential sources to determine if the BMPs are properly designed, implemented, and are effective in reducing and preventing pollutants in industrial storm water discharges and authorized non-stormwater discharges?	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
Document any trends, concerns, or notable information about BMP effectiveness here.	
Has the SWPPP been reviewed to ensure the information within is accurate for current operations and personnel?	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
Document any trends, concerns, or notable information about SWPPP revisions here.	
Have any other factors needed to comply with the requirements of the General Permit been assessed?	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
Document any other trends, concerns, or notable information here.	
Inspector Information	
Evaluator Name:	Evaluator Title:
Signature:	Report Date:



General Information			
Facility Name:			
Date:		Event Start Time:	
Sampler:		Rainfall Amount:	<input type="checkbox"/> Today <input type="checkbox"/> Storm
Sampling Event Type:	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Non-storm water	<input type="checkbox"/> Storm Water & NSW
pH Sampling Information			
Method:	<input type="checkbox"/> Litmus Paper <input type="checkbox"/> Test Kit <input type="checkbox"/> Portable Instrument	Portable Instrument Calibration Date/Time:	
Field pH and Turbidity Measurements			
Were field dupliates taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Discharge Location	% Total Daily Flow	pH	Time
Sum % Flow (Must = 100)	0		
pH Calculated Average:		#NUM!	
Other Parameters (check those collected)			
Oil and Grease <input type="checkbox"/>	Other: <input type="checkbox"/>		
Total Suspended Solids (TSS) <input type="checkbox"/>	Other: <input type="checkbox"/>		
Other: <input type="checkbox"/>	Other: <input type="checkbox"/>		
Other: <input type="checkbox"/>	Other: <input type="checkbox"/>		
Was a chain of custody completed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Additional Sampling Notes/Exception Documentation			
Estimated Event End:			

APPENDIX F

General Permit Attachment H “Sample Collection and Handling Instructions” and Example Chain of Custody Form

ATTACHMENT H

SAMPLE COLLECTION AND HANDLING INSTRUCTIONS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
GENERAL PERMIT FOR STORM WATER DISCHARGES
ASSOCIATED WITH INDUSTRIAL ACTIVITIES
(GENERAL PERMIT)

For more detailed guidance, Dischargers should refer to the U.S. EPA's "Industrial Stormwater Monitoring and Sampling Guide," dated March 2009, available at: http://www.epa.gov/npdes/pubs/msgp_monitoring_guide.pdf and the "NPDES Storm Water Sampling Guidance Document," dated July 1992, available at: <http://www.epa.gov/npdes/pubs/owm0093.pdf>.

1. Identify the sampling parameters required to be tested and the number of storm water discharge points that will be sampled. Request the analytical testing laboratory to provide the appropriate number and type of sample containers, sample container labels, blank chain of custody forms, and sample preservation instructions.
2. Determine how samples will be transported to the laboratory. The testing laboratory should receive samples within 48 hours of the physical sampling (unless otherwise required by the laboratory). The Discharger may either deliver the samples to the laboratory, arrange for the laboratory to pick up the samples, or overnight ship the samples to the laboratory. All sample analysis shall be done in accordance with 40 Code of Federal Regulations part 136. Samples for pH have a holding time of 15 minutes.¹
3. Qualified Combined Samples shall be combined by the laboratory and not by the Discharger. Sample bottles must be appropriately labeled to instruct the laboratory on which samples to combine.
4. Unless the Discharger can provide flow weighted information, all combined samples shall be volume weighted.
5. For grab samples, use only the sample containers provided by the laboratory to collect and store samples. Use of any other type of containers may contaminate samples.
6. For automatic samplers that are not compatible with bottles provided by the laboratory, the Discharger is required to send the sample container included with the automatic sampler to the laboratory for analysis.

¹ 40 C.F.R. section 136.3, Table II - Required Containers, Preservation Techniques, and Holding Times.

SAMPLE COLLECTION AND HANDLING INSTRUCTIONS

7. The Discharger can only use automatic sampling device to sample parameters that the device is designed to. For pH, Dischargers can only use automatic sampling devices with the ability to read pH within 15 minutes of sample collection.
8. The Discharger is prohibited from using an automatic sampling device for Oil and Grease, unless the automatic sampling device is specifically designed to sample for Oil and Grease.
9. To prevent contamination, do not touch inside of sample container or cap or put anything into the sample containers before collecting storm water samples.
10. Do not overfill sample containers. Overfilling can change the analytical results.
11. Tightly screw on the cap of each sample container without stripping the threads of the cap.
12. Complete and attach a label for each sample container. The label shall identify the date and time of sample collection, the person taking the sample, and the sample collection location or discharge point. The label should also identify any sample containers that have been preserved.
13. Carefully pack sample containers into an ice chest or refrigerator to prevent breakage and maintain temperature during shipment. Remember to place frozen ice packs into shipping containers. Samples should be kept as close to 4 degrees Celsius (39 degrees Fahrenheit) as possible until arriving to the laboratory. Do not freeze samples.
14. Complete a Chain of Custody form for each set of samples. The Chain of Custody form shall include the Discharger's name, address, and phone number, identification of each sample container and sample collection point, person collecting the samples, the date and time each sample container was filled, and the analysis that is required for each sample container.
15. Upon shipping/delivering the sample containers, obtain both the signatures of the persons relinquishing and receiving the sample containers.
16. Dischargers shall designate and train personnel to collect, maintain, and ship samples in accordance with the sample protocols and laboratory practices.
17. Refer to Table 1 in the General Permit for test methods, detection limits, and reporting units.
18. All sampling and sample preservation shall be in accordance with 40 Code of Federal Regulations part 136 and the current edition of "Standard Methods for

SAMPLE COLLECTION AND HANDLING INSTRUCTIONS

the Examination of Water and Wastewater” (American Public Health Association). All monitoring instruments and equipment (including Discharger field instruments for measuring pH or specific conductance if identified as an additional sampling parameter) shall be calibrated and maintained in accordance with manufacturers’ specifications to ensure accurate measurements. All laboratory analyses shall be conducted according to approved test procedures under 40 Code of Federal Regulations part 136, unless other test procedures have been specified by the Regional Water Quality Control Board. All metals shall be reported as total metals. Dischargers may conduct their own field analysis of pH (or specific conductance if identified as an additional sampling parameter) if the Discharger has sufficient capability (qualified and trained employees, properly calibrated and maintained field instruments, etc.) to adequately perform the field analysis. With the exception of field analysis conducted by Dischargers for pH (or specific conductance if identified as an additional sampling parameter), all analyses shall be sent to and conducted at a laboratory certified for such analyses by the California Department of Public Health. Dischargers are required to report to the Water Board any sampling data collected more frequently than required in this General Permit (Section XXI.J.2)

GGIS Stormwater Treatment System Operations Recordkeeping Log

[illegible]

Flow Meter Readings to be taken prior to beginning of discharge and after discharge ends.

Discharge if iron level is less than 1 ppm.

Perform accuracy checks on pH and turbidity probes at least twice per discharge event. Do not perform accuracy checks during backwash; meters are inaccurate during this time.

Accuracy for pH ± 0.5 s.u.

Accuracy for turbidity $\pm 15\text{-}20$ 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:				Project:				ANALYSIS REQUIRED																																	
Laboratory: _____								Total Suspended Solids	Oil & Grease	Total Iron															Field readings: (Include units) Time of readings _____ pH _____ pH unit Field readings QC: Checked by: _____ Date _____																
Laboratory Contact: _____																																									
Sampler: _____				Contact:																																					
Sample Description	Sample Matrix	Container Type	# of Cont.	Sample I.D.	Sampling Date/Time	Preservative	Bottle #																			Comments															
Outfall 001	W																																								
Outfall 002	W																																								
Outfall 003	W																																								
Duplicate	W																																								
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. 14

Exhibit 7
Biological Record Summaries
(BIO-2)

Gateway Generating Station California Energy Commission 2022 Annual Biological Compliance Report

Date: March 6, 2023
Project Name: Gateway Generating Station 2022 Biological Resources Support Project
Project No: D31321CU
Attention: Angel Espiritu/PG&E Gateway Generating Station Compliance Manager
Company: Pacific Gas and Electric Company
Prepared By: Gateway Generating Station Designated Biologist
Scott Lindemann/Jacobs
Copies To: Jerry Salamy/Jacobs Project Manager
Amy Krisch Co-Designated Biologist/PG&E

1. Introduction

The California Energy Commission's (CEC) Condition of Certification (COC) for the Gateway Generating Station (GGS) 2022 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 2022 Biological Resources Compliance Report fulfills COC BIO-2. This report covers the reporting period from January 1, 2022, to December 31, 2022 (the 2022 Reporting Period). GGS complied with all biological resource COCs, and the measures specified in the BRMIMP during the Reporting Period.

1.1 Project Location

The GGS site is located at 3225 Wilbur Avenue in the city of Antioch, Contra Costa County, California. The facility is on the southern side of the San Joaquin River, approximately 0.4 miles west of Highway 160, and in Section 16, Township 02 north, Range 02 east (Mt. Diablo Meridian) on the Antioch North U.S. Geological Survey (USGS) topographic quadrangle. GPS coordinates for the approximate site center are: 38.016757°, -121.758799° (WGS 84).

1.2 Background

On December 19, 2006, Pacific Gas and Electric Company (PG&E) filed a petition (TN 38720) with the CEC requesting to amend the CEC Decision to eliminate the use of San Joaquin River water as the cooling source for the GGS Project (formerly known as the Contra Costa Power Plant Unit 8 Project). The petition also proposed ten associated project design changes at the project site. The 530-megawatt project was originally certified by the CEC on May 30, 2001, and a BRMIMP was prepared for the Project (URS Corporation 2001). Construction of the facility started late in 2001 and was suspended in February of 2002 due to financial difficulties, with approximately seven percent of construction completed. On July 19, 2006, the CEC approved the addition of

PG&E as co-owner of the project with Mirant Delta, LLC (CEC 2006). On December 4, 2006, PG&E filed a petition to remove Mirant as a co-owner and change the name of the facility to the Gateway Generating Station. Construction was restarted in January 2007 with PG&E as the project proponent. GGS construction, including restoration activities, was completed in June 2009.

After PG&E became the project owner/operator, the project was re-designed to avoid biological resource impacts to the extent feasible through development of mitigation and protection measures for the new design. These mitigation and protection measures reduced biological resource impacts so that no agency permits were required. These changes resulted in BRMIMP Conditions BIO-7, 10 and 11 being eliminated; also, additional minor changes were made to Conditions 5, 6 and 9 (CEC 2007).

The GGS was designed to avoid biological resources to the greatest extent through the development of mitigation and protection measures in consultation with the U.S. Fish and Wildlife Service (USFWS), U.S. Army Corps of Engineers (USACE), California Department of Fish and Wildlife (CDFW), Central Valley Regional Water Quality Control Board (CVRWQCB), and the CEC. Applicable COCs were complied with during construction and continue to be implemented during GGS operations, including routine maintenance and outage events.

2. Results

PG&E complied with the biological resource COCs during the Reporting Period. The CEC-approved Designated Biologist (DB) or Biological Monitor (BM) performed pre-disturbance surveys, established no-disturbance buffers to protect nesting birds within the facility when necessary, and coordinated with GGS staff to avoid or minimize impacts to the environment. GGS also complied with all measures specified in the BRMIMP during the Reporting Period.

All new GGS employees and contract workers received the CEC-approved Worker Environmental Awareness Training (WEAP) via video and daily tailgate training with the DB or the PG&E GGS Compliance Manager (CM) Angel Espiritu. The DB remained on call throughout the Reporting Period.

The on-call monitoring and compliance efforts for the 2022 calendar year are documented in chronological order below and within **Appendix A**, Site Photos.

- **February 2:** DB Rick Crowe was contacted concerning the observation of a bird nest containing 2 eggs under some pipe insulation (**Appendix A Photo 1**). GGS was undergoing its planned maintenance outage when this nest was discovered. All work was stopped in the area and a barricade was set to mark the no-disturbance buffer until the status of the nest could be determined.
- **February 3:** DB Rick Crowe confirmed the nest that was discovered the previous day was abandoned, noting the old nest materials and lack of nesting activity in the nest vicinity. The abandoned nest was disposed of by GGS staff, and the barricade removed.
- **March 22:** DB Scott Lindemann conducted a nesting bird survey for the I-300C Gateway Valve Lot Grounding Install Project, a gas transmission project that took place on the GGS property. The DB observed an active California scrub jay (*Aphelocoma californica*) nest immediately adjacent to the I-300C Gateway Valve

Lot Grounding Install work area (**Appendix A Photo 2**). The GGS CM was notified of the nest location and a 75-foot no-disturbance buffer around the nest was set with red on white barricade tape (**Appendix A Photo 3**). The nest was in an ornamental shrub, a Japanese pittosporum (*Pittosporum tobira*), immediately south of a large oak tree (*Quercus* sp.) along the eastern fence line of GGS. The nest was five feet off the ground and contained five eggs. The female scrub jay was observed incubating, foraging, and mobbing a nearby fox squirrel (*Sciurus niger*) that approached the nest. The male scrub jay was observed foraging and guarding the nest territory. The surrounding area has a moderate to high level of baseline disturbance, as several trucks and golf carts passed within five feet of the nest on the adjacent property to the east. While the nest is also adjacent to the PG&E contractor parking lot, no PG&E personnel or contractors were observed going near the nest. The 75-foot buffer for this species overlapped about 25 percent of the proposed work area, and some of the proposed staging area. The I-300C Gateway Valve Lot Grounding Install Project was delayed until after this nest fledged.

- **May 12:** Biological Monitor (BM) Sean O'Neal conducted the pre-mowing nesting bird survey. A killdeer (*Charadrius vociferus*) nest was detected in a graveled area by the eastern fence (**Appendix A Photo 4**). The nest was approximately 80 feet from any potentially disturbing activities. The California scrub jay nest identified by DB Scott Lindemann on March 22 was no longer active, however a pair of California scrub jays in a tree adjacent to the nest exhibited territorial behavior when approached. No nesting activity was observed from the breeding California scrub jay pair. The pair may be the same breeding pair from March 22 caring for fledglings nearby. Therefore, there were no restrictions on the mowing resulting from this nesting bird survey.
- **June 8:** DB Rick Crowe and Jacobs Biologist Danny Rivas were on site to follow-up on the breeding California scrub jay pair and the killdeer nest observed on May 12th. The western scrub jay nest was found to be empty (**Appendix A Photo 5**), additionally there were no sign of recent occupancy or young or adult California scrub jays in the area around the nest. The protective flagging surrounding the California scrub jay nest was removed and made clear to work in. The killdeer nest was no longer present at the noted location and no killdeer were observed. Since this nest was first observed back on March 22, it is likely the eggs either hatched or the nest was predated. The area southeast of GGS was surveyed for ground squirrel burrows with none observed. The area under the ACC was surveyed for potential bird carcasses, and no bird carcasses observed.

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.

Memorandum

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



Photo 1: Abandoned bird nest discovered under pipe insulation by GGS personnel in the facility on February 2nd, 2022.



Photo 2: California scrub jay nest observed in a Japanese pittosporum shrub along the eastern fence line on March 12th, 2022.

Memorandum



Photo 3: 75 foot no-disturbance buffer surrounding the California scrub jay nest location on March 22nd, 2022.



Photo 4: Active killdeer nest on gravel area by the eastern fence observed on May 12th, 2022.



Photo 5: Empty California scrub jay nest observed on June 8th, 2022.