

DOCKETED

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Organization:	PG&E Gateway Generating Station
Submitter Role:	Applicant Representative
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**Pacific Gas and
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March 21, 2022

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 2021 to
December 2021

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 2021 to December 2021.

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



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

Annual Compliance Report No. 13

(Reporting Period: January 2021 - December 2021)

March 30, 2022

Table of Contents

Annual Compliance Report

Introduction	1
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Compliance Activities

1. Compliance Matrix	1
2. Summary of Project Operating Status	1
3. Documents Required by Specific Conditions	1
4. Cumulative Listing of Post Certification Changes	3
5. Missed Submittal Deadlines	6
6. List of Filings/Permits	6
7. Projected Compliance Activities for the Succeeding Year	13
8. Listing of Year's Addition to On-site Compliance File	15
9. Evaluation of On-site Contingency Plan	20
10. Complaints, NOVs, and Citations	20

List of Attachments

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

Introduction

This document constitutes PG&E's Annual Compliance Report (ACR) for the Gateway Generating Station (GGS) Project. The information contained in this report covers the reporting period of January 2021 to December 2021 (RY 2021).

Compliance Activities

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

1. **Updated Compliance Matrix** - The compliance matrix has been updated for the reporting period to reflect the status of all conditions of certification. See matrix in **Exhibit 1**.
2. **Current Project Operating Status** - The PG&E Gateway Generating Station (GGS) achieved Plant Commercial Operation status on January 4, 2009. During the reporting period of January 2020 to December 2020, 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 2020 is included in this report as **Exhibit 3**. Also included in Exhibit 3 is monthly water consumption invoices information from the City of Antioch. The total water use for the reporting period is 49.87 AF (acre-feet). The metering devices are owned, and maintained by the City of Antioch,

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

- 3.2 VIS-1 - The maintenance works on treatment of structures, buildings, and tanks at Gateway Generating Station (GGS) were performed on regular basis expeditiously. There are at least 3 separate routine plant inspections, which include among other items, the identification of treatment re-works on structures, buildings, and tanks. These are: (1) Semi-annual (Spring and Fall) Facility-wide Inspection by Safety Committee, (2) Weekly Plant Engineer's Walk-down, and (3) Daily Plant Technician's Walk-down Inspection. In each of these inspections, maintenance work is identified (as may be needed), and a job request notification is submitted. At GGS, there is Work Management (SAP) System which tracks job requests to ensure that works are completed in a timely manner.
- 3.3 VIS-4 - In compliance with the Condition of Certification VIS-4, GGS confirms that appropriate maintenance was performed to ensure continued establishment (of growth) of the planted trees and shrubs. A suitable drip irrigation system, equipped with automatic sprinkler timer, was installed and is in operation.
- 3.4 SOIL&WATER-4 – In compliance with Condition of Certification SOIL&WATER-4, attached in **Exhibit 4a** are copies of Quarterly Self-Monitoring Reports submitted to and received by the Delta Diablo (DD) on April 12, 2021, July 12, 2021, October 14, 2021 and January 13, 2022 to cover the reporting year (RY) 2021. Attached in **Exhibit 4b** is the status on agency citation. 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 (2020) 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 11, 2021** - GGS submitted to DD the Quarterly Self-Monitoring Report and wastewater flow data for the period: October 2020 to December 2020
- 6.2. **January 25, 2021** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for December 2020
- 6.3. **January 25, 2021** - GGS submitted to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the Q4-2020 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, 2021** - (Condition of Certification AQ-14) Quarterly Air Compliance Report for Q4-2020 was submitted to CEC/BAAQMD
- 6.5. **January 27, 2021** – GGS submitted to EPA Quarterly EPA ECMPS Electronic Data Reports (EDR) Reports for Q4-2020 (Part 75 Compliance)
- 6.6. **February 22, 2021** - GGS submitted to Contra Costa Health Services (CCHS) the Hazardous Materials Business Plan Annual Update for 2021, through the California Environmental Reporting System (CERS)
- 6.7. **February 23, 2021** – In compliance with the terms of the General Permit for Storm Water Associated with Industrial Activity, GGS submitted the analytical results for the sampling of the Qualified Storm Event (QSE) that occurred on January 27, 2021 in Storm Water Multiple Application and Report Tracking Systems (SMARTS)
- 6.8. **February 24, 2021** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for January 2021
- 6.9. **March 10, 2021** – In compliance with the terms of the General Permit for Storm Water Associated with Industrial Activity, GGS submitted the analytical results for the sampling of the Qualified Storm Event (QSE) that occurred on February 11, 2021 in Storm Water Multiple Application and Report Tracking Systems (SMARTS)

- 6.10. **March 11, 2021** - (Condition of Certification AQ-29, AQ-30, AQ-31) GGS submitted to BAAQMD/CEC Source Test Report and 2020 Relative Accuracy Test Audit & Compliance Test Report. The tests were completed January 1-15, 2021
- 6.11. **March 29, 2021** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for February 2021
- 6.12. **March 29, 2021** – (General Condition of Certification, pages 179-180): GGS submitted the Annual Compliance Report for RY 2020
- 6.13. **April 8, 2020** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for March 2021
- 6.14. **April 12, 2021** - GGS submitted to DD the Quarterly Self-Monitoring Report and wastewater flow data for the period: January 2021 to March 2021
- 6.15. **April 12, 2021** - GGS submitted to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the Q1-2021 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)
- 6.16. **April 16, 2021** - submitted a Reportable Compliance Activity (RCA) on Ammonia Slip to BAAQMD/CEC. The excess emission was a result of using new sets of correction factors derived from the 2021 Source Test result.
- 6.17. **April 22, 2021** - (Condition of Certification AQ-14) Quarterly Air Compliance Report for Q1 2021 was submitted to CEC/BAAQMD
- 6.18. **April 26, 2021** – GGS submitted to EPA Quarterly EPA ECMPS Electronic Data Reports (EDR) Reports for Q1-2021 (Part 75 Compliance)
- 6.19. **April 27, 2021** – GGS submitted to BAAQMD/CEC the Semi-annual Monitoring report for the period October 1, 2020 to March 31, 2021. This is to comply with Standard Condition F (Monitoring Report) of the Major Facility (Title V) Permit.

- 6.20. **April 27, 2021** – GGS submitted to BAAQMD the Permit to Operate (PTO) Renewal Data update (2021-2022)
- 6.21. **April 28, 2021** – (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 April 30, 2021 on Unit-A.
- 6.22. **April 28, 2021** - submitted a Reportable Compliance Activity (RCA)/Breakdown Relief request to BAAQMD/CEC on an equipment breakdown event impacting NOx emission that occurred on April 28, 2021
- 6.23. **April 30, 2021** - submitted a modified Reportable Compliance Activity (RCA)/Breakdown Relief request to BAAQMD on an equipment breakdown event impacting NOx emission that occurred on April 28, 2021. The modified RCA included the data on resultant excess emission of 2.1 NOx 1-hr ppm as per requested by the BAAQMD.
- 6.24. **April 30, 2021** - submitted 10-day follow up report on the Reportable Compliance Activity (RCA) on Ammonia Slip submitted to BAAQMD/CEC on April 16, 2021. The excess emission was a result of using new sets of correction factors derived from the 2021 Source Test result.
- 6.25. **May 5, 2021** – submitted to BAAQMD/CEC the 10-day follow up report on the RCA/Breakdown Relief request submitted on April 28, 2021
- 6.26. **May 5, 2021** – (Condition of Certification AQ-SC13) GGS submitted to BAAQMD/CEC the Report on Visual Emission Evaluation (VEE) for the VEE performed on April 30, 2021 on Unit A.
- 6.27. **May 14, 2021** - submitted 30-day follow up report on the Reportable Compliance Activity (RCA) on Ammonia Slip submitted to BAAQMD/CEC on April 16, 2021. The excess emission was a result of using new sets of correction factors derived from the 2021 Source Test result.
- 6.28. **May 20, 2021** – (Condition of Certification AQ-SC13) GGS submitted

to BAAQMD/CEC the Notification on Visual Emission Evaluation for the earliest anticipated re-start date of May 27, 2021 on Unit-B, and May 31, 2021 on Unit-A.

- 6.29. **May 26, 2021** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for April 2021
- 6.30. **May 27, 2021** – submitted to BAAQMD/CEC the 30-day follow up report on the RCA/Breakdown Relief request submitted on April 28, 2021
- 6.31. **June 4, 2021** – (Condition of Certification AQ-SC13) GGS submitted to BAAQMD/CEC the Report on Visual Emission Evaluation (VEE) for the VEE performed on May 29, 2021 on Unit-B, and June 1, 2021 on Unit-A.
- 6.32. **June 14, 2021** - 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)
- 6.33. **June 24, 2021** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for May 2021
- 6.34. **June 29, 2021** – Received response from the BAAQMD on the RCA on ammonia Slip submitted on April 16, 2021, instructing the Gateway Generating Station to not use the ammonia correction factors derived from the source test of 2021, but instead to continue using the correction factors from the source test of 2020 until the BAAQMD has certified the 2021 source test result.
- 6.35. **July 4, 2021** - In compliance with the terms of the General Permit for Storm Water Associated with Industrial Activity, the 2020-2021 Annual Report was submitted to Central Valley Regional Water Quality Control Board
- 6.36. **July 12, 2021** - GGS submitted to DD the Quarterly Self-Monitoring Report and wastewater flow data for the period: April 2021 to June

2021.

- 6.37. **July 20, 2021** – GGS received the renewal on the Permit to Operate (PTO) from BAAQMD. The PTO expires on August 1, 2022
- 6.38. **July 21, 2021** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for June 2021
- 6.39. **July 26, 2021** – GGS submitted to EPA Quarterly EPA ECMPS Electronic Data Reports (EDR) Reports for Q2-2021 (Part 75 Compliance)
- 6.40. **July 29, 2021** - GGS submitted to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the Q2-2021 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)
- 6.41. **July 30, 2021**- (Condition of Certification AQ-14) Quarterly Air Compliance Report for Q2 2021 was submitted to CEC/BAAQMD
- 6.42. **August 23, 2021** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for July 2021
- 6.43. **September 27, 2021** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for August 2021
- 6.44. **September 28, 2021** – GGS submitted to BAAQMD/EPA, and copied CEC, on the Annual Compliance Certification for the reporting period of September 1, 2020 to August 31, 2021 as required under permit condition I.G of the Major Facility Review (Title V) permit.
- 6.45. **October 14, 2021** - GGS submitted to DD the Quarterly Self-Monitoring Report and wastewater flow data for the period: July 2021 to September 2021
- 6.46. **October 25, 2021** – GGS submitted to EPA Quarterly EPA ECMPS Electronic Data Reports (EDR) Reports for Q3-2021 (Part 75 Compliance)

- 6.47. **October 26, 2021** - GGS submitted to Section Chief of the Environmental Enforcement Section, US department of Justice, US EPA Regional Office IX, and copied to CEC the Q3-2021 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)
- 6.48. **October 26, 2021** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for September 2021
- 6.49. **October 26, 2021** - (Condition of Certification AQ-14) Quarterly Air Compliance Report for Q3 2021 was submitted to CEC/BAAQMD
- 6.50. **October 27, 2021** – GGS submitted to BAAQMD/CEC the Semi-annual Monitoring report for the period April 1, 2021 to September 30, 2021. This is to comply with Standard Condition F (Monitoring Report) of the Major Facility (Title V) Permit
- 6.51. **November 1, 2021** – (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 November 5, 2021 on Unit-A.
- 6.52. **November 12, 2021** – (Condition of Certification AQ-SC13) GGS submitted to BAAQMD/CEC the Report on Visual Emission Evaluation (VEE) for the VEE performed on November 5, 2021 on Unit A.
- 6.53. **November 23, 2021** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for October 2021
- 6.54. **November 24, 2021** – 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 1, 2021 in Storm Water Multiple Application and Report Tracking Systems (SMARTS)
- 6.55. **November 24, 2021** – 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 9, 2021 in Storm Water Multiple Application and Report Tracking Systems (SMARTS)

- 6.56. **December 9, 2021** – The Priority Pollutant Exemption Form for CY 2022 with Certification Statement was submitted to DD.
- 6.57. **December 13, 2021** - 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)
- 6.58. **December 14, 2021** - (Conditions of Certification AQ-31) GGS submitted to BAAQMD and CEC the 2022 Annual RATA and Source Test Protocol for the proposed dates of January 10-14, 2022
- 6.59. **December 15, 2021** - (Condition of Certification AQ-33) GGS submitted to BAAQMD Monthly CEMS Report for November 2021
- 7. **Projected Compliance Activities for Next Year (RY January 1, 2022 – December 31, 2022)** - The following is a list of compliance activities/documents that PG&E anticipates for the January 1, 2022 to December 31, 2022 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 2022
 - 7.4 Quarterly Air Quality EDR reports to EPA due on January 30, 2022, April 30, 2022, July 30, 2022 and October 30, 2022
 - 7.5 Quarterly Self-Monitoring Reports to DD due on January 15, 2022, April 15, 2022, July 15, 2022 and October 15, 2022
 - 7.6 Quarterly Industrial Flow Data Report to DD due January 15, 2022,

April 15, 2022, July 15, 2022 and October 15, 2022

- 7.7 Annual HMBP update due to CCHS on March 1, 2022
- 7.8 2021-2022 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, 2022
- 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 2022
- 7.11 (Conditions of Certification AQ-29, AQ-30, AQ-31, and AQ-32) - To submit to BAAQMD and CEC Source Test Report and 2022 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, 2022, April 30, 2022, July 30, 2022 and October 30, 2022
- 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, 2022 and December 15, 2022.
- 7.14 To submit to BAAQMD/EPA Annual and Semi-annual Title V reports. These reports are due on September 30, 2022, April 30, 2022 and October 31, 2022, respectively.
- 7.15 (Conditions of Certification – General Conditions) - CEC Annual Compliance Report for RY2020 due March 30, 2022, 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
1/25/2021	BAAQMD	AQ-33	Monthly CEMS Report for December 2020
1/25/2021	US EPA IX/CEC	Consent Decree Paragraph 12	Quarterly Excess Emission Report (NOx & CO) for Q4-2020
1/11/2021	DD	SOILS&WATE R-4	Quarterly Self-Monitoring Report for the period: Oct 2020 to Dec 2020
1/27/2021	CEC/BAAQMD	AQ-14	Quarterly Air Compliance Report for Q4-2020
1/27/2021	EPA	Part 75	EPA Quarterly EPA ECMPS Electronic Data Reports (EDR) Reports for Q4-2020
2/22/2021	CCHS/CERS		Hazardous Materials Business Plan Annual Update for 2021
2/23/2021	CVRWQCB-SMARTS	IGP	Analytical results for the sampling of the QSEs that occurred on Jan 27, 2021
2/24/2021	BAAQMD	AQ-33	Monthly CEMS Report for January 2021
3/10/2021	CVRWQCB-SMARTS	IGP	Analytical results for the sampling of the QSEs that occurred on Feb 11, 2021

Date	To	Condition	Subject
3/11/2021	BAAQMD/CEC	AQ-29, AQ-30, AQ-31, AQ-32	Source Test Report and 2020 Relative Accuracy Test Audit and Compliance Test Report; the tests were completed January 11-11, 2021
3/29/2021	BAAQMD	AQ-33	Monthly CEMS Report for February 2021
3/29/2021	CEC	GEN (pp.179-180)	Annual Compliance Report #12 RY 2020
4/8/2021	BAAQMD	AQ-33	Monthly CEMS Report for March 2021
4/12/2021	DD	SOILS&WATE R-4	Quarterly Self-Monitoring Report for the period: January 2021 to March 2021
4/12/2022	US EPA IX/CEC/DOJ	Consent Decree Paragraph 12	Quarterly Excess Emission Report (NOx & CO) for Q1-2021
4/16/2021	CEC/BAAQMD	AQ-35	Reportable Compliance Activity on Ammonia slip emission
4/22/2021	CEC/BAAQMD	AQ-14	Quarterly Air Compliance Report for Q1 2021
4/26/2021	EPA	Part 75	EPA ECMPS ED) for Q1-2021
4/27/2021	BAAQMD/CEC	Title V	Semi-annual Monitoring Report for Oct 1, 2020 to Mar 31, 2021
4/27/2021	BAAQMD	PTO	PTO Renewal Data Update
4/28/2021	CEC/BAAQMD	AQ-SC13	Notification/Waiver request on Visual Emission Evaluation (VEE) for Apr 30, 2021 Restart (Unit-A)
4/28/2021	CEC/BAAQMD	AQ-33, AQ-35	Reportable Compliance Activity/Breakdown Relief Request on Breakdown event of Apr 28, 2021 impacting NOx emission

Date	To	Condition	Subject
4/30/2021	CEC/BAAQMD	AQ-33, AQ-35	Modified Reportable Compliance Activity/Breakdown Relief Request on Breakdown event of Apr 28, 2021 impacting NOx emission
4/30/2021	CEC/BAAQMD	AQ-35	10-day Follow up report on Reportable Compliance Activity on Ammonia slip emission
5/5/2021	CEC/BAAQMD	AQ-SC13	Report on Visual Emission Evaluation (VEE) for Apr 30, 2021 Restart (Unit-A)
5/5/2021	CEC/BAAQMD	AQ-33, AQ-35	10-day Follow up report on Reportable Compliance Activity/Breakdown Relief Request on Breakdown event of Apr 28, 2021 impacting NOx emission
5/14/2021	CEC/BAAQMD	AQ-35	30-day Follow up report on Reportable Compliance Activity on Ammonia slip emission
5/20/2021	CEC/BAAQMD	AQ-SC13	Notification on Visual Emission Evaluation (VEE) for May 27-31, 2021 (Unit-B and Unit-A)
5/26/2021	BAAQMD	AQ-33	Monthly CEMS Report for April 2021
5/27/2021	CEC/BAAQMD	AQ-33, AQ-35	30-day Follow up report on Reportable Compliance Activity/Breakdown Relief Request on Breakdown event of Apr 28, 2021 impacting NOx emission
6/4/2021	CEC/BAAQMD	AQ-SC13	Report on Visual Emission Evaluation (VEE) for May 29, 2021 (Unit-B) and Jun 1, 2021 (Unit-A)
6/14/2021	US EPA IX/ CEC	Consent Decree Paragraph 11(1)	Semi-annual Report on CO Projected Exceedance Date

Date	To	Condition	Subject
6/24/2021	BAAQMD	AQ-33	Monthly CEMS Report for May 2021
7/4/2021	CVRWQCB-SMARTS	IGP	Storm Water Annual Report for 2020-2021
7/12/2021	DD	SOILS&WATE R-4	Quarterly Self-Monitoring Report for the period: April 2021 to June 2021
7/21/2021	BAAQMD	AQ-33	Monthly CEMS Report for June 2021
7/26/2021	EPA	Part 75	EPA ECMPS EDR for Q2-2021
7/29/2021	US EPA IX/ CEC/DOJ	Consent Decree Paragraph 12	Quarterly Excess Emission Report (NOx & CO) for Q2-2021
7/30/2021	CEC/BAAQMD	AQ-14	Quarterly Air Compliance Report for Q2 2021
8/23/2020	BAAQMD	AQ-33	Monthly CEMS Report for July 2021
9/27/2021	BAAQMD	AQ-33	Monthly CEMS Report for August 2021
9/28/2021	BAAQMD/EPA /CEC	Title V	Annual Compliance Certification (Sep 1, 2020- Aug 31, 2021)
10/14/2021	DD	SOILS&WATE R-4	Quarterly Self-Monitoring Report for the period: July 2021 to September 2021
10/25/2021	EPA	Part 75	EPA ECMPS EDR for Q3-2021
10/26/2021	US EPA IX/ CEC	Consent Decree Paragraph 12	Quarterly Excess Emission Report (NOx & CO) for Q3-2021
10/26/2021	BAAQMD	AQ-33	Monthly CEMS Report for September 2021
10/26/2021	CEC/BAAQMD	AQ-14	Quarterly Air Compliance Report for Q3 2021

Date	To	Condition	Subject
10/27/2021	BAAQMD/CEC	Title V	Semi-annual Monitoring Report for Apr 1, 2021 to Sep 30, 2021
11/1/2021	CEC/BAAQMD	AQ-SC13	Notification/Waiver request on Visual Emission Evaluation (VEE) for Nov 5, 2021 Restart (Unit-A)
11/12/2021	CEC/BAAQMD	AQ-SC13	Report on Visual Emission Evaluation (VEE) for performed on Nov 5, 2021 Restart (Unit-A)
11/23/2021	BAAQMD	AQ-33	Monthly CEMS Report for October 2021
11/24/2021	CVRWQCB-SMARTS	IGP	Analytical results for the sampling of the QSEs that occurred on Nov 1, 2021
11/24/2021	CVRWQCB-SMARTS	IGP	Analytical results for the sampling of the QSEs that occurred on Nov 9, 2021
12/9/2021	DD	SOILS&WATE R-4	Priority Pollutant Exemption Form/Certification Statement for CY 2022
12/13/2021	US EPA IX/CEC	Consent Decree Paragraph 11(1)	Semi-annual Report on CO Projected Exceedance Date
12/14/2021	BAAQMD/CEC	AQ-29, AQ-30, AQ-31, AQ-32	Notification on 2022 Source Test and Relative Accuracy Test Audit for Jan 10-14, 2022

Date	To	Condition	Subject
12/15/2021	BAAQMD	AQ-33	Monthly CEMS Report for November 2021

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** – None for RY 2021

Gateway Generating Station
(00-AFC-1C)

Annual Compliance Report No. 13

Exhibit 1
Updated Compliance Matrix

PG&E Gateway Generating Station Project
California Energy Commission Compliance Matrix
December 31, 2021

Color Code Legend

Construction Phase Condition	Commissioning Phase Condition	Operations Phase Condition	Submitted	Submitted / Approved / Completed
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CEC Cond. No.	Project Phase	Summary of Condition	Submittal Required	Due Date to CEC	Date Submitted/ Completed	Submittal Approved by CEC	Status	Comments
AQ-13	3_OPS	CTs and HRSGs shall be fired on gas with a maximum sulfur content of no greater than 1 grain per 100 standard cubic feet.	Conduct monthly sulfur analysis and incorporate results into QAQR.	Quarterly after COD (Recurring)	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-14	3_OPS	Combined heat input rate to each power train shall not exceed 2,227 MM BTU per hour over any rolling 3 hour period.	Demonstrate compliance in Quarterly Air Quality Reports (QAQR) due January 30, April 30, July 30, and October 30	Quarterly after COD (Recurring)	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-15	3_OPS	Combined heat input rate to each power train shall not exceed 49,950 MM BTU per calendar day.	Demonstrate compliance in QAQR due January 30, April 30, July 30, and October 30	Quarterly after COD (Recurring)	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-16	3_OPS	Combined cumulative heat input rate for the CTs and HRSG shall not exceed 34,900,000 MM BTU per year.	Demonstrate compliance in Quarterly Air Quality Reports (QAQR) due January 30, April 30, July 30, and October 30	Quarterly after COD (Recurring)	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-17	3_OPS	HRSG duct burners shall not be fired without CT in operation.	Include info on date, time, an duration of any violation in Quarterly Air Quality Reports (due January 30, April 30, July 30, and October 30)	Quarterly after COD (Recurring)	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-18	3_OPS	CT 1 and HRSG 1 shall be abated by SCR whenever fuel is combusted at those sources and catalyst bed has reached minimum operating temp. (BACT for NOx)	Provide information on any major problem in operation of OxCat and SCR (include date, description, and steps taken to resolve) in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-19	3_OPS	CT 2 and HRSG 2 shall be abated by SCR whenever fuel is combusted at those sources and catalyst bed has reached minimum operating temp. (BACT for NOx)	Provide information on any major problem in operation of OxCat and SCR (include date, description, and steps taken to resolve) in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-20	3_OPS	CTs and HRSGs to comply with requirements as listed in the Condition under all operating scenarios, including duct burner firing mode and steam injection power aug mode. Requirements do not apply to CT start-up or shut down. (BACT, PSD...)	Provide info listed in Verification language of condition and include in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-21	3_OPS	Regulated air pollutant mass emission rates shall not exceed limits shown in the Condition. (PSD)	Provide info listed in Condition 20 Verification language of condition and include in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		Submitted w/ Quarterly Air Compliance Reports (QAQR)	
AQ-22	3_OPS	CTs shall not run in startup mode simultaneously (PSD).	Provide info listed in Condition 20 Verification language of condition and include in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		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)	Quarterly after COD (Recurring)	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		Submitted w/ Quarterly Air Compliance Reports (QAQR)	

PG&E Gateway Generating Station Project
California Energy Commission Compliance Matrix
December 31, 2021

Color Code Legend

Construction Phase Condition	Commissioning Phase Condition	Operations Phase Condition	Submitted	Submitted / Approved / Completed
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CEC Cond. No.	Project Phase	Summary of Condition	Submittal Required	Due Date to CEC	Date Submitted/ Completed	Submittal Approved by CEC	Status	Comments
AQ-24	3_OPS	Cumulative combined emissions shall not exceed limits specified in Condition during any consecutive 12 month period.	Provide info listed in Condition 20 Verification language of condition and include in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AQ-25	3_OPS	Maximum projected annual toxic air contaminant emissions from CTs and HRSGs shall not exceed limits specified in Condition .	Owner shall perform a health risk assessment using emission rates determined by source test and most current BAAQMD approved procedures and unit risk factors in effect at the time of the analysis.	Within 60 days of source test date	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AQ-26	3_OPS	Demonstrate compliance with Conditions AQ-14 through 17, 20(a) through 20 (d), 21, 23 (a), 24(a), and 24(b) with CEMs during all hours of operation including equipment startup and shutdowns for all parameters listed in Condition .	Detailed plan on how the measurements and recordings will be performed. CEMS Monitoring Plan	At least 60 days prior to initial operation	8/21/2008		Submitted to CEC & BAAQMD	Record keeping to demonstrate compliance is on-going.
AQ-27	3_OPS	Calculate and record daily the POC, PM10, and SO2 from each power train using actual heat input rates calculated per AQ-26, actual CT startup and shutdown times, and CEC/BAAQMD approved emission factors to calculate emissions. (See additional reporting requirements listed in Condition.)	Provide info listed in Condition 20 Verification language of condition and include in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AQ-28	3_OPS	Calculate and record on an annual basis the maximum projected emissions of formaldehyde, benzene, and specified PAHs.	Provide info listed in Condition 20 Verification language of condition and include in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AQ-30	3_OPS	Conduct District approved source test on exhaust points while CTs and HRSGs are operating at max. load and min. load to demonstrate compliance with AQ-20, and to verify accuracy of CEMS (per Condition AQ-26).	Submit Source Test Protocols /Conduct Source Test 60 days of initial operation and annually thereafter	Within 60 days of first fire, & annually thereafter	Notification: 12/15/2020 (for 2021 ST/RATA), Test (01/11/2021 to 01/15/2021)			
AQ-31a	3_OPS	Obtain approval for all source test procedures from BAAQMD Source Test Section and CPM prior to conducting tests.	Notify BAAQMD Source Test Section and CEC CPM in writing of source test protocols and projected test dates .	At least 7 days prior to source test dates	Notification: 12/15/2020 (for 2021 ST/RATA), Test (01/11/2021 to 01/15/2021)			
AQ-31b	3_OPS	Submit source test results to the District & CEC CPM.	Submit source test results to BAAQMD and CEC CPM.	Within 60 days of conducting source tests	3/11/2021			
AQ-32a	3_OPS	Conduct source test on exhaust point P-11 or P-12 while CT and HRSGs are operating at maximum allowable operating rates to demonstrate compliance with AQ-25 (see Condition for more details) .	Notify BAAQMD Source Test Section and CEC CPM in writing of source test protocols and projected test dates. Conduct Source test 60 days of initial operation and biennial thereafter	At least 7 days prior to source test dates	Notification: 12/15/2020 (for 2021 ST/RATA), Test (01/11/2021 to 01/15/2021)			

PG&E Gateway Generating Station Project
California Energy Commission Compliance Matrix
December 31, 2021

Color Code Legend

Construction Phase Condition	Commissioning Phase Condition	Operations Phase Condition	Submitted	Submitted / Approved / Completed
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CEC Cond. No.	Project Phase	Summary of Condition	Submittal Required	Due Date to CEC	Date Submitted/ Completed	Submittal Approved by CEC	Status	Comments
AQ-32b	3_OPS	Submit source test results to the District & CEC CPM.	Submit source test results to BAAQMD and CEC CPM.	Within 60 days of conducting source tests	3/11/2021			
AQ-33	3_OPS	Submit all reports (monitor breakdowns, CEMS, emission access reports, equipment breakdowns) as required by District Rules or Regulations	Provide info listed in Condition 20 Verification language of condition and include in QAQR reports due January 30, April 30, July 30, and Oct. 30 each year)	Quarterly after COD (Recurring)	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AQ-34	3_OPS	Maintain ongoing records and reports on site for a minimum of 5 years (to include but not limited to: CEMS records (firing hours, fuel flows, emission rates, monitor excesses, breakdowns, etc.). Source and analytical records, natural gas sulfur content analysis results, emission calculation record, plant upsets and related incidents.)	Make records available to BAAQMD, ARB, EPA, and CEC.	Ongoing	N/A		On-going (Records are maintained)	
AQ-35	3_OPS	Notify District and CPM of violation of any permit conditions in accordance with applicable BAAQMD rules and regulations.	Submit written notification to Enforcement Division within 96 hours of the violation.	Quarterly after COD (Recurring)	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		Submitted w/ Quarterly Air Compliance Reports (QACR)	event occurred on 10/19/16
AQ-44	3_OPS	Take monthly gas samples.		Quarterly after COD (Recurring)	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AQ-45b	3_OPS	WSAC shall be properly installed/maintained to minimize drift losses	Sample the water once in July, August and September each year while WSAC is in operation and submit results in QACR.	Quarterly after COD (Recurring)	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AQ-46b	3_OPS	Have WSAC field rep inspect drift eliminators and certify installation was performed satisfactorily. Verify that PM10 emissions do not exceed 4.7 lbs/day based on most recent TDS (see formula in condition).	Report calculated PM10 emissions from WSAC in QACR.	Quarterly after COD (Recurring)	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AQ-47	3_OPS	Fuel gas preheater shall not be operated more than 16 hours in any day.	Submit verification of hours of operation as part of QACR.	Quarterly after COD (Recurring)	Q1: 4/17/2021, Q2: 7/20/2021, Q3:10/23/2021, Q4: 1/27/2022		Submitted w/ Quarterly Air Compliance Reports (QACR)	
AM-1	3_OPS	Conduct Source Test to determine ammonia emission concentration	Submit the results of Source Test with in 60 days of completion	Annually (recurring)	3/11/2021			
BIO-02	3_OPS	Designated Biologist to submit record summaries in the Annual Compliance Report	Provide statement in the Annual Compliance Report whether any actions that affected biological resources occurred on site for the reporting year.	Annually in ACR	3/29/2021		Submitted with this Annual Compliance Report (ACR)	

PG&E Gateway Generating Station Project
California Energy Commission Compliance Matrix
December 31, 2021

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)	3/29/2021		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	3/29/2021		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	3/29/2021		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	3/29/2021		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	3/29/2021		Submitted with ACR: Water use for RY 2016 = 63.6 AF	

PG&E Gateway Generating Station Project
California Energy Commission Compliance Matrix
December 31, 2021

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	3/29/2021		Submitted with ACR: appropriate maintenance was performed in RY 2016	

Key Dates:

First Fire	11/1/2008	(CT-A = 11/01/08, CT-B = 11/04/08)
Perf. Tests (Target)	12/6/2008	
Source Test (Started)	1/4/2009	Unit A: 1/4/2009, Unit B: 01/06/2009
Source Test (Completed)	1/14/2009	For Both Units
COD (Target)	2/5/2009	
COD (Actual)	1/4/2009	
COD (Guaranteed)	2/28/2009	
Aq. Ammonia on Site	12/4/2008	
Steam Blow	11/4/2008	
Install Catalyst (SCR/CO)	11/24/2008	(SCR Catalyst = 11/24/08)
Q4 2009 Report	1/30/2010	
Sulfuric Acid on Site	3/1/2009	Planned: March 2009
First Lube	7/14/2008	
Noise Survey(Completed)	1/21/2009	Both Community and in-plant surveys
Sustained output	1/4/2009	
Connection Potable Water	3/17/2008	
Pre-energy E/MF	5/19/2008	
Post-energy E/MF	5/9/2009	(W/in 6 mos of start of operation = first synchronization to grid)
First Synchronization	11/10/2008	(First Synchronization to grid: CT-A : 11/11/08, CT-B : 11/10/08)
Start of operation	1/4/2009	
Annual Compliance Report	3/26/2021	RY 2020 ACR

Gateway Generating Station
(03-AFC-01)

Annual Compliance Report No. 13

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
(03-AFC-01)

Annual Compliance Report No. 13

Exhibit 3
Water Use Summary
and
City of Antioch Invoices

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

PG&E Gateway Generating Station
Water Use Summary
Reporting Period: Jan 2021 - Dec 2021

Date	Water Consumption		
	(gals.)	(cu. feet)	(acre-feet)
Jan-21	1,507,968	201,586.00	4.63
Feb-21	1,671,780	223,484.48	5.13
Mar-21	2,167,704	289,779.88	6.65
Apr-21	2,316,556	309,678.49	7.11
May-21	797,368	106,592.60	2.45
Jun-21	2,664,376	356,175.26	8.18
Jul-21	2,584,340	345,476.01	7.93
Aug-21	2,079,440	277,980.69	6.38
Sep-21	1,543,872	206,385.67	4.74
Oct-21	1,518,440	202,985.90	4.66
Nov-21	1,280,576	171,188.11	3.93
Dec-21	871,420	116,491.91	2.67
Annual Total:	21,003,840.00	2,807,805.00	64.46

City of Antioch - Finance Department
Utility Service Billing - Customer Service (925) 779-7060

Account: 004-01511-01 For service at: 3225 WILBUR AVE

CREATED ON 2/03/2021 Water Service From: 1/02/2021 To: 2/01/2021
Units: 2,016
Zone Charge: 4.55



PG&E
3225 WILBUR AVE
ANTIOCH CA 94509-8546

PRIOR BALANCE
WATER USAGE
2 " WATER MAINT FEE
SEWER NON-RES
BACKFLOW RP 3"
WE ARE EXCITED TO ANNOUNCE THE LAUNCH OF
OUR NEW WATER BILL, COMING MARCH 2021.

Amount
11,550.79
9,172.80
165.00
2,423.64
25.10



For questions regarding this invoice, call Customer Service at (925) 779-7060.
For sewer problems, water leaks, potholes and street lights call Public Works at (925) 779-6950 or email
publicworks@ci.antioch.ca.us. After hours, weekends and holidays call Police dispatch at (925) 778-2441.

Due Date > 2/24/2021
Amount Now Due, 5% Late Penalty if Not Received by Due Date > 23,337.33

PLEASE SEE REVERSE SIDE FOR PAYMENT OPTIONS

Table with 6 columns: Meter Readings (Current, Previous, Units), CONSUMPTION INFORMATION (Gallons, Days), Gallons / Day. Includes data for current and last year readings.

PLEASE DETACH AND RETURN THIS PORTION WITH PAYMENT

Due Date: 2/24/2021 Customer Name: PG&E
Account: 004-01511-01 For Service At: 3225 WILBUR AVE
Amount Now Due: 23,337.33

Amount Paid: \$ [meter icon]
Payment must be received by the City,
on or before due date above to avoid
5% late penalty.



Please remit your payment to:
City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

004015110102333733

Six Easy Ways to Pay



Through our Auto Draft program, you may have your monthly water utility bill automatically paid from your checking account or personal credit or debit/card with the following logos (Discover, MasterCard, Visa).

The City of Antioch does not charge for this service; however, your bank or credit card agency may charge you a fee for the transaction. Simply visit our website at www.antiochca.gov, scroll down to the bottom right hand corner, click on Water Payments and scroll down to print the Auto Pay Authorization Agreement form, complete and return this form in person or by mail to Finance Customer Service at 200 H St, Antioch, CA 94509.



To pay your bill online, visit our website at www.antiochca.gov, scroll down to the bottom right hand corner, click on Water Payments, log in and follow the simple prompts. A separate charge will appear on your statement for the convenience fee of \$1.00 (subject to change) payable to Municipal Online Payments. In addition, you may sign-up for **FREE** e-billing, see your account detail, transaction history, and change or update your phone number and view your consumption history. **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.**



To pay your bill by automated phone attendant, call Customer Service at (925) 779-7060 and follow the prompts to pay your current water utility bill. This service is available 24 hours a day. **Automated telephone 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.**



To pay your regular, non-delinquent bill by mail, checks or money orders may be mailed to:

City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

Please be sure to detach and return the bottom portion/stub of your water utility bill and write your account number in the memo field of your payment. Return your payment in our blue return envelope. Mail payment 7 days prior to due date to ensure timely delivery. No staples or paper clips please! For your protection, please do not mail cash.



Or you can always visit us in person at the City Hall building located at the corner of Third and H Streets, 200 H Street, on the ground floor, at the Customer Service Cashier's window. Our regular walk in business hours are 8:00 am - 5:00 pm, M - F. (subject to change), excluding weekends and holidays. Cash, check (except for deposits, arrangements or on a final or disconnection notice), money order, debit or credit cards (Discover, MasterCard, Visa with picture id) are accepted. To avoid long lines near payment deadlines, consider paying by one of our other convenient options.



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Any type of payment returned to the City are subject to a returned fee of \$80.00. This may subject you to immediate disconnection of water service if payment was made to avoid a disconnection.

City of Antioch - Finance Department
Utility Service Billing - Customer Service (925) 779-7060

Account: 004-01512-01 For service at: 3225 WILBUR AVE

CREATED ON 2/03/2021 Water Service From: 1/02/2021 To: 2/01/2021
Units:
Zone Charge:



PG&E
3225 WILBUR AVE
ANTIOCH CA 94509-8546

PRIOR BALANCE
WATER USAGE
5/8"X3/4" MAINT FEE
FL DET CHK 6"
BACKFLW DC 5/8"X3/4"
WE ARE EXCITED TO ANNOUNCE THE LAUNCH OF
OUR NEW WATER BILL, COMING MARCH 2021.

Amount

77.50
0.00
24.40
47.80
5.30

For questions regarding this invoice, call Customer Service at (925) 779-7060.
For sewer problems, water leaks, potholes and street lights call Public Works at (925) 779-6950 or email publicworks@ci.antioch.ca.us. After hours, weekends and holidays call Police dispatch at (925) 778-2441.

Due Date >

2/24/2021

Amount Now Due, 5% Late Penalty if Not Received by Due Date >

155.00

PLEASE SEE REVERSE SIDE FOR PAYMENT OPTIONS

Meter Readings		CONSUMPTION INFORMATION			
Current	Previous	Units	Gallons	Days	Gallons / Day
NO HISTORY AVAILABLE					
Last Year					

PLEASE DETACH AND RETURN THIS PORTION WITH PAYMENT

Due Date: 2/24/2021

Customer Name: PG&E

Account: 004-01512-01

For Service At: 3225 WILBUR AVE

Amount Now Due: 155.00

Amount Paid: \$

Payment must be received by the City,
on or before due date above to avoid
5% late penalty.



Please remit your payment to:

City of Antioch
PO BOX 6015
Artesia, CA 90702-6015



004015120100015500

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To pay your bill online, visit our website at www.antiochca.gov, scroll down to the bottom right hand corner, click on Water Payments, log in and follow the simple prompts. A separate charge will appear on your statement for the convenience fee of \$1.00 (subject to change) payable to Municipal Online Payments. In addition, you may sign-up for **FREE** e-billing, see your account detail, transaction history, and change or update your phone number and view your consumption history. **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.**



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To pay your regular, non-delinquent bill by mail, checks or money orders may be mailed to:

City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

Please be sure to detach and return the bottom portion/stub of your water utility bill and write your account number in the memo field of your payment. Return your payment in our blue return envelope. Mail payment 7 days prior to due date to ensure timely delivery. No staples or paper clips please! For your protection, please do not mail cash.



Or you can always visit us in person at the City Hall building located at the corner of Third and H Streets, 200 H Street, on the ground floor, at the Customer Service Cashier's window. Our regular walk in business hours are 8:00 am - 5:00 pm, M - F. (subject to change), excluding weekends and holidays. Cash, check (except for deposits, arrangements or on a final or disconnection notice), money order, debit or credit cards (Discover, MasterCard, Visa with picture id) are accepted. To avoid long lines near payment deadlines, consider paying by one of our other convenient options.



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City of Antioch - Finance Department
Utility Service Billing - Customer Service (925) 779-7060

Account: 004-01511-01 For service at: 3225 WILBUR AVE

CREATED ON 3/02/2021 Water Service From: 2/01/2021 To: 3/01/2021
Units: 2,235
Zone Charge: 4.55



PG&E
3225 WILBUR AVE
ANTIOCH CA 94509-8546

PRIOR BALANCE
PAYMENTS APPLIED
WATER USAGE
2 " WATER MAINT FEE
SEWER NON-RES
BACKFLOW RP 3 "
WE ARE EXCITED TO ANNOUNCE THE LAUNCH OF
OUR NEW WATER BILL, COMING MARCH 2021.



Amount
23,337.33
23,337.33-
10,169.25
165.00
2,686.44
25.10

For questions regarding this invoice, call Customer Service at (925) 779-7060.
For sewer problems, water leaks, potholes and street lights call Public Works at (925) 779-6950 or email
publicworks@ci.antioch.ca.us. After hours, weekends and holidays call Police dispatch at (925) 778-2441.

Due Date > 3/23/2021
Amount Now Due, 5% Late Penalty if Not Received by Due Date > 13,045.79

PLEASE SEE REVERSE SIDE FOR PAYMENT OPTIONS

Table with 6 columns: Meter Readings (Current, Previous, Units), CONSUMPTION INFORMATION (Gallons, Days, Gallons / Day). Rows show current and last year data.

PLEASE DETACH AND RETURN THIS PORTION WITH PAYMENT

Due Date: 3/23/2021 Customer Name: PG&E
Account: 004-01511-01 For Service At: 3225 WILBUR AVE
Amount Now Due: 13,045.79

Amount Paid: \$ [meter display]
Payment must be received by the City, on or before due date above to avoid 5% late penalty.

0040151101:\$
0040151101:\$

Please remit your payment to:
City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

004015110101304579

Six Easy Ways to Pay



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To pay your bill online, visit our website at www.antiochca.gov, scroll down to the bottom right hand corner, click on Water Payments, log in and follow the simple prompts. A separate charge will appear on your statement for the convenience fee of \$1.00 (subject to change) payable to Municipal Online Payments. In addition, you may sign-up for **FREE** e-billing, see your account detail, transaction history, and change or update your phone number and view your consumption history. **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.**



To pay your bill by automated phone attendant, call Customer Service at (925) 779-7060 and follow the prompts to pay your current water utility bill. This service is available 24 hours a day. **Automated telephone 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.**



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City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

Please be sure to detach and return the bottom portion/stub of your water utility bill and write your account number in the memo field of your payment. Return your payment in our blue return envelope. Mail payment 7 days prior to due date to ensure timely delivery. No staples or paper clips please! For your protection, please do not mail cash.



Or you can always visit us in person at the City Hall building located at the corner of Third and H Streets, 200 H Street, on the ground floor, at the Customer Service Cashier's window. Our regular walk in business hours are 8:00 am - 5:00 pm, M - F. (subject to change), excluding weekends and holidays. Cash, check (except for deposits, arrangements or on a final or disconnection notice), money order, debit or credit cards (Discover, MasterCard, Visa with picture id) are accepted. To avoid long lines near payment deadlines, consider paying by one of our other convenient options.



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Any type of payment returned to the City are subject to a returned fee of \$80.00. This may subject you to immediate disconnection of water service if payment was made to avoid a disconnection.

City of Antioch - Finance Department
Utility Service Billing - Customer Service (925) 779-7060

Account: 004-01512-01 For service at: 3225 WILBUR AVE

CREATED ON 3/02/2021 Water Service From: 2/01/2021 To: 3/01/2021
Units:
Zone Charge:



PG&E
3225 WILBUR AVE
ANTIOCH CA 94509-8546

PRIOR BALANCE
PAYMENTS APPLIED
WATER USAGE
5/8"X3/4" MAINT FEE
FL DET CHK 6"
BACKFLW DC 5/8"X3/4"
WE ARE EXCITED TO ANNOUNCE THE LAUNCH OF
OUR NEW WATER BILL, COMING MARCH 2021.

Amount
155.00
155.00-
0.00
24.40
47.80
5.30



For questions regarding this invoice, call Customer Service at (925) 779-7060.
For sewer problems, water leaks, potholes and street lights call Public Works at (925) 779-6950 or email
publicworks@ci.antioch.ca.us. After hours, weekends and holidays call Police dispatch at (925) 778-2441.

Due Date > 3/23/2021
Amount Now Due, 5% Late Penalty if Not Received by Due Date > 77.50

PLEASE SEE REVERSE SIDE FOR PAYMENT OPTIONS

Table with 6 columns: Meter Readings (Current, Previous), CONSUMPTION INFORMATION (Gallons, Days), Gallons / Day. Row 1: NO HISTORY AVAILABLE. Row 2: Last Year.

PLEASE DETACH AND RETURN THIS PORTION WITH PAYMENT

Due Date: 3/23/2021 Customer Name: PG&E
Account: 004-01512-01 For Service At: 3225 WILBUR AVE
Amount Now Due: 77.50

Amount Paid: \$ [Digit Entry Box]

Payment must be received by the City,
on or before due date above to avoid
5% late penalty.

Please remit your payment to:
City of Antioch
PO BOX 6015
Artesia, CA 90702-6015
[Barcode]

0040151201B\$
0040151201B\$

004015120100007750

Six Easy Ways to Pay



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To pay your bill online, visit our website at www.antiochca.gov, scroll down to the bottom right hand corner, click on Water Payments, log in and follow the simple prompts. A separate charge will appear on your statement for the convenience fee of \$1.00 (subject to change) payable to Municipal Online Payments. In addition, you may sign-up for **FREE** e-billing, see your account detail, transaction history, and change or update your phone number and view your consumption history. **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.**



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City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

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City of Antioch - Finance Department
Utility Service Billing - Customer Service (925) 779-7060

Account: 004-01511-01 For service at: 3225 WILBUR AVE

CREATED ON 4/06/2021 Water Service From: 3/01/2021 To: 4/01/2021
Units: 2,898
Zone Charge: 4.55



PG&E
3225 WILBUR AVE
ANTIOCH CA 94509-8546

PRIOR BALANCE
PAYMENTS APPLIED
WATER USAGE
2 " WATER MAINT FEE
SEWER NON-RES
BACKFLOW RP 3 "
PAYMENT ARRANGEMENTS ARE AVAILABLE, PLEASE CALL
US. TENANTS NEEDING FINANCIAL ASSISTANCE WITH
RENT AND UTILITIES, VISIT HOUSINGISKEY.COM

Amount
13,045.79
13,045.79-
13,185.90
165.00
3,482.04
25.10

For questions regarding this invoice, call Customer Service at (925) 779-7060.
For sewer problems, water leaks, potholes and street lights call Public Works at (925) 779-6950 or email
publicworks@ci.antioch.ca.us. After hours, weekends and holidays call Police dispatch at (925) 778-2441.

Due Date > 4/27/2021
Amount Now Due, 5% Late Penalty if Not Received by Due Date > 16,858.04

PLEASE SEE REVERSE SIDE FOR PAYMENT OPTIONS

Table with 6 columns: Meter Readings (Current, Previous, Units), CONSUMPTION INFORMATION (Gallons, Days, Gallons / Day). Rows show current and last year data.

PLEASE DETACH AND RETURN THIS PORTION WITH PAYMENT

Due Date: 4/27/2021 Customer Name: PG&E
Account: 004-01511-01 For Service At: 3225 WILBUR AVE
Amount Now Due: 16,858.04

Amount Paid: \$ [Digit Entry Box]
Payment must be received by the City, on or before due date above to avoid 5% late penalty.



Please remit your payment to:
City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

004015110101685804

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Artesia, CA 90702-6015

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City of Antioch - Finance Department
Utility Service Billing - Customer Service (925) 779-7060

Account: 004-01512-01 For service at: 3225 WILBUR AVE

CREATED ON 4/06/2021 Water Service From: 3/01/2021 To: 4/01/2021
Units:
Zone Charge:



PG&E
3225 WILBUR AVE
ANTIOCH CA 94509-8546

PRIOR BALANCE
PAYMENTS APPLIED
WATER USAGE
5/8"X3/4" MAINT FEE
FL DET CHK 6"
BACKFLW DC 5/8"X3/4"
PAYMENT ARRANGEMENTS ARE AVAILABLE, PLEASE CALL
US. TENANTS NEEDING FINANCIAL ASSISTANCE WITH
RENT AND UTILITIES, VISIT HOUSINGISKEY.COM

Amount
77.50
77.50-
0.00
24.40
47.80
5.30

For questions regarding this invoice, call Customer Service at (925) 779-7060.
For sewer problems, water leaks, potholes and street lights call Public Works at (925) 779-6950 or email
publicworks@ci.antioch.ca.us. After hours, weekends and holidays call Police dispatch at (925) 778-2441.

Due Date > 4/27/2021
Amount Now Due, 5% Late Penalty if Not Received by Due Date > 77.50

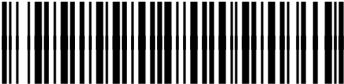
PLEASE SEE REVERSE SIDE FOR PAYMENT OPTIONS

Table with 6 columns: Meter Readings (Current, Previous), CONSUMPTION INFORMATION (Gallons, Days), and Gallons / Day. Row 1: NO HISTORY AVAILABLE. Row 2: Last Year.

PLEASE DETACH AND RETURN THIS PORTION WITH PAYMENT

Due Date: 4/27/2021 Customer Name: PG&E
Account: 004-01512-01 For Service At: 3225 WILBUR AVE
Amount Now Due: 77.50

Amount Paid: \$ [Digit Entry Box]
Payment must be received by the City, on or before due date above to avoid 5% late penalty.



Please remit your payment to:
City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

004015120100007750

Six Easy Ways to Pay



Through our Auto Draft program, you may have your monthly water utility bill automatically paid from your checking account or personal credit or debit/card with the following logos (Discover, MasterCard, Visa).

The City of Antioch does not charge for this service; however, your bank or credit card agency may charge you a fee for the transaction. Simply visit our website at www.antiochca.gov, scroll down to the bottom right hand corner, click on Water Payments and scroll down to print the Auto Pay Authorization Agreement form, complete and return this form in person or by mail to Finance Customer Service at 200 H St, Antioch, CA 94509.



To pay your bill online, visit our website at www.antiochca.gov, scroll down to the bottom right hand corner, click on Water Payments, log in and follow the simple prompts. A separate charge will appear on your statement for the convenience fee of \$1.00 (subject to change) payable to Municipal Online Payments. In addition, you may sign-up for **FREE** e-billing, see your account detail, transaction history, and change or update your phone number and view your consumption history. **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.**



To pay your bill by automated phone attendant, call Customer Service at (925) 779-7060 and follow the prompts to pay your current water utility bill. This service is available 24 hours a day. **Automated telephone 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.**



To pay your regular, non-delinquent bill by mail, checks or money orders may be mailed to:

City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

Please be sure to detach and return the bottom portion/stub of your water utility bill and write your account number in the memo field of your payment. Return your payment in our blue return envelope. Mail payment 7 days prior to due date to ensure timely delivery. No staples or paper clips please! For your protection, please do not mail cash.



Or you can always visit us in person at the City Hall building located at the corner of Third and H Streets, 200 H Street, on the ground floor, at the Customer Service Cashier's window. Our regular walk in business hours are 8:00 am - 5:00 pm, M - F. (subject to change), excluding weekends and holidays. Cash, check (except for deposits, arrangements or on a final or disconnection notice), money order, debit or credit cards (Discover, MasterCard, Visa with picture id) are accepted. To avoid long lines near payment deadlines, consider paying by one of our other convenient options.



You can use our convenient night drop box to pay by check or money order however **checks are NOT accepted for deposits, extensions or on a final or disconnection notice.** We have two boxes located at the City Hall building. One is a drive up box located mid parking lot at the center crosswalk. The other is located on the east side entrance to the right of the double glass entrance doors. Both are clearly marked as night drop boxes. Please be sure to include the water utility bill and write your account number in the memo field of your payment. Payments are promptly collected at 7:30 am each working weekday for processing the same business day. The City is **NOT** responsible for cash left in the night drop box. For your protection, we encourage you to purchase a cashier's check or money order instead.

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Any type of payment returned to the City are subject to a returned fee of \$80.00. This may subject you to immediate disconnection of water service if payment was made to avoid a disconnection.

City of Antioch - Finance Department
Utility Service Billing - Customer Service (925) 779-7060

Account: 004-01511-01 For service at: 3225 WILBUR AVE

CREATED ON 5/04/2021 Water Service From: 4/01/2021 To: 5/01/2021
Units: 3,097
Zone Charge: 4.55



PG&E
3225 WILBUR AVE
ANTIOCH CA 94509-8546

PRIOR BALANCE
WATER USAGE
2 " WATER MAINT FEE
SEWER NON-RES
BACKFLOW RP 3"
PAYMENT ARRANGEMENTS ARE AVAILABLE, PLEASE CALL
US. TENANTS NEEDING FINANCIAL ASSISTANCE WITH
RENT AND UTILITIES, VISIT HOUSINGISKEY.COM

Amount
16,858.04
14,091.35
165.00
3,720.84
25.10

For questions regarding this invoice, call Customer Service at (925) 779-7060.
For sewer problems, water leaks, potholes and street lights call Public Works at (925) 779-6950 or email
publicworks@ci.antioch.ca.us. After hours, weekends and holidays call Police dispatch at (925) 778-2441.

Due Date > 5/25/2021
Amount Now Due, 5% Late Penalty if Not Received by Due Date > 34,860.33

PLEASE SEE REVERSE SIDE FOR PAYMENT OPTIONS

Table with 6 columns: Meter Readings (Current, Previous, Last Year), Units, CONSUMPTION INFORMATION (Gallons, Days), Gallons / Day.

PLEASE DETACH AND RETURN THIS PORTION WITH PAYMENT

Due Date: 5/25/2021 Customer Name: PG&E
Account: 004-01511-01 For Service At: 3225 WILBUR AVE
Amount Now Due: 34,860.33

Amount Paid: \$ [Digit Entry Box]
Payment must be received by the City, on or before due date above to avoid 5% late penalty.



Please remit your payment to:
City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

004015110103486033

Six Easy Ways to Pay



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The City of Antioch does not charge for this service; however, your bank or credit card agency may charge you a fee for the transaction. Simply visit our website at www.antiochca.gov, scroll down to the bottom right hand corner, click on Water Payments and scroll down to print the Auto Pay Authorization Agreement form, complete and return this form in person or by mail to Finance Customer Service at 200 H St, Antioch, CA 94509.



To pay your bill online, visit our website at www.antiochca.gov, scroll down to the bottom right hand corner, click on Water Payments, log in and follow the simple prompts. A separate charge will appear on your statement for the convenience fee of \$1.00 (subject to change) payable to Municipal Online Payments. In addition, you may sign-up for **FREE** e-billing, see your account detail, transaction history, and change or update your phone number and view your consumption history. **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.**



To pay your bill by automated phone attendant, call Customer Service at (925) 779-7060 and follow the prompts to pay your current water utility bill. This service is available 24 hours a day. **Automated telephone 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.**



To pay your regular, non-delinquent bill by mail, checks or money orders may be mailed to:

City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

Please be sure to detach and return the bottom portion/stub of your water utility bill and write your account number in the memo field of your payment. Return your payment in our blue return envelope. Mail payment 7 days prior to due date to ensure timely delivery. No staples or paper clips please! For your protection, please do not mail cash.



Or you can always visit us in person at the City Hall building located at the corner of Third and H Streets, 200 H Street, on the ground floor, at the Customer Service Cashier's window. Our regular walk in business hours are 8:00 am - 5:00 pm, M - F. (subject to change), excluding weekends and holidays. Cash, check (except for deposits, arrangements or on a final or disconnection notice), money order, debit or credit cards (Discover, MasterCard, Visa with picture id) are accepted. To avoid long lines near payment deadlines, consider paying by one of our other convenient options.



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Any type of payment returned to the City are subject to a returned fee of \$80.00. This may subject you to immediate disconnection of water service if payment was made to avoid a disconnection.

City of Antioch - Finance Department
Utility Service Billing - Customer Service (925) 779-7060

Account: 004-01512-01 For service at: 3225 WILBUR AVE

CREATED ON 5/04/2021 Water Service From: 4/01/2021 To: 5/01/2021
Units:
Zone Charge:



PG&E
3225 WILBUR AVE
ANTIOCH CA 94509-8546

PRIOR BALANCE
WATER USAGE
5/8"X3/4" MAINT FEE
FL DET CHK 6"
BACKFLW DC 5/8"X3/4"
PAYMENT ARRANGEMENTS ARE AVAILABLE, PLEASE CALL
US. TENANTS NEEDING FINANCIAL ASSISTANCE WITH
RENT AND UTILITIES, VISIT HOUSINGISKEY.COM

Amount
77.50
0.00
24.40
47.80
5.30

For questions regarding this invoice, call Customer Service at (925) 779-7060.
For sewer problems, water leaks, potholes and street lights call Public Works at (925) 779-6950 or email
publicworks@ci.antioch.ca.us. After hours, weekends and holidays call Police dispatch at (925) 778-2441.

Due Date > 5/25/2021
Amount Now Due, 5% Late Penalty if Not Received by Due Date > 155.00

PLEASE SEE REVERSE SIDE FOR PAYMENT OPTIONS

Table with 6 columns: Meter Readings (Current, Previous), CONSUMPTION INFORMATION (Gallons, Days), Gallons / Day. Row 1: NO HISTORY AVAILABLE. Row 2: Last Year.

PLEASE DETACH AND RETURN THIS PORTION WITH PAYMENT

Due Date: 5/25/2021 Customer Name: PG&E
Account: 004-01512-01 For Service At: 3225 WILBUR AVE
Amount Now Due: 155.00

Amount Paid: \$ [Digit display]
Payment must be received by the City, on or before due date above to avoid 5% late penalty.



Please remit your payment to:
City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

004015120100015500

Six Easy Ways to Pay



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To pay your bill online, visit our website at www.antiochca.gov, scroll down to the bottom right hand corner, click on Water Payments, log in and follow the simple prompts. A separate charge will appear on your statement for the convenience fee of \$1.00 (subject to change) payable to Municipal Online Payments. In addition, you may sign-up for **FREE** e-billing, see your account detail, transaction history, and change or update your phone number and view your consumption history. **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.**



To pay your bill by automated phone attendant, call Customer Service at (925) 779-7060 and follow the prompts to pay your current water utility bill. This service is available 24 hours a day. **Automated telephone 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.**



To pay your regular, non-delinquent bill by mail, checks or money orders may be mailed to:

City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

Please be sure to detach and return the bottom portion/stub of your water utility bill and write your account number in the memo field of your payment. Return your payment in our blue return envelope. Mail payment 7 days prior to due date to ensure timely delivery. No staples or paper clips please! For your protection, please do not mail cash.



Or you can always visit us in person at the City Hall building located at the corner of Third and H Streets, 200 H Street, on the ground floor, at the Customer Service Cashier's window. Our regular walk in business hours are 8:00 am - 5:00 pm, M - F. (subject to change), excluding weekends and holidays. Cash, check (except for deposits, arrangements or on a final or disconnection notice), money order, debit or credit cards (Discover, MasterCard, Visa with picture id) are accepted. To avoid long lines near payment deadlines, consider paying by one of our other convenient options.



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City of Antioch - Finance Department
Utility Service Billing - Customer Service (925) 779-7060

Account: 004-015111-01 For service at: 3225 WILBUR AVE

CREATED ON 6/03/2021 Water Service From: 5/01/2021 To: 6/01/2021
Units: 1,066
COM ZONE 2 Zone Charge: 4.55



PG&E
3225 WILBUR AVE
ANTIOCH CA 94509-8546

PRIOR BALANCE
PAYMENTS APPLIED
WATER USAGE
2 " WATER MAINT FEE
SEWER NON-RES
BACKFLOW RP 3 "
PAYMENT ARRANGEMENTS ARE AVAILABLE, PLEASE CALL
US. TENANTS NEEDING FINANCIAL ASSISTANCE WITH
RENT AND UTILITIES, VISIT HOUSINGISKEY.COM

Amount
34,860.33
34,860.33-
4,850.30
165.00
1,283.64
25.10

For questions regarding this invoice, call Customer Service at (925) 779-7060.
For sewer problems, water leaks, potholes and street lights call Public Works at (925) 779-6950 or email
publicworks@ci.antioch.ca.us. After hours, weekends and holidays call Police dispatch at (925) 778-2441.

Due Date > 6/24/2021
Amount Now Due, 5% Late Penalty if Not Received by Due Date > 6,324.04

PLEASE SEE REVERSE SIDE FOR PAYMENT OPTIONS

Table with 6 columns: Meter Readings (Current, Previous), Units, CONSUMPTION INFORMATION (Gallons, Days), Gallons / Day. Includes data for current month and last year.

PLEASE DETACH AND RETURN THIS PORTION WITH PAYMENT

Due Date: 6/24/2021 Customer Name: PG&E
Account: 004-015111-01 For Service At: 3225 WILBUR AVE
Amount Now Due: 6,324.04

Amount Paid: \$ [Digit Entry Box]
Payment must be received by the City, on or before due date above to avoid 5% late penalty.



Please remit your payment to:
City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

004015110100632404

Six Easy Ways to Pay



Through our Auto Draft program, you may have your monthly water utility bill automatically paid from your checking account or personal credit or debit/card with the following logos (Discover, MasterCard, Visa).

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To pay your bill online, visit our website at www.antiochca.gov, scroll down to the bottom right hand corner, click on Water Payments, log in and follow the simple prompts. A separate charge will appear on your statement for the convenience fee of \$1.00 (subject to change) payable to Municipal Online Payments. In addition, you may sign-up for **FREE** e-billing, see your account detail, transaction history, and change or update your phone number and view your consumption history. **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.**



To pay your bill by automated phone attendant, call Customer Service at (925) 779-7060 and follow the prompts to pay your current water utility bill. This service is available 24 hours a day. **Automated telephone 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.**



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City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

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Or you can always visit us in person at the City Hall building located at the corner of Third and H Streets, 200 H Street, on the ground floor, at the Customer Service Cashier's window. Our regular walk in business hours are 8:00 am - 5:00 pm, M - F. (subject to change), excluding weekends and holidays. Cash, check (except for deposits, arrangements or on a final or disconnection notice), money order, debit or credit cards (Discover, MasterCard, Visa with picture id) are accepted. To avoid long lines near payment deadlines, consider paying by one of our other convenient options.



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City of Antioch - Finance Department
Utility Service Billing - Customer Service (925) 779-7060

Account: 004-01512-01 For service at: 3225 WILBUR AVE

CREATED ON 6/03/2021 Water Service From: 5/01/2021 To: 6/01/2021
Units:
Zone Charge:



PG&E
3225 WILBUR AVE
ANTIOCH CA 94509-8546

PRIOR BALANCE
PAYMENTS APPLIED
WATER USAGE
5/8"X3/4" MAINT FEE
FL DET CHK 6"
BACKFLW DC 5/8"X3/4"
PAYMENT ARRANGEMENTS ARE AVAILABLE, PLEASE CALL
US. TENANTS NEEDING FINANCIAL ASSISTANCE WITH
RENT AND UTILITIES, VISIT HOUSINGISKEY.COM

Amount
155.00
155.00-
0.00
24.40
47.80
5.30

For questions regarding this invoice, call Customer Service at (925) 779-7060.
For sewer problems, water leaks, potholes and street lights call Public Works at (925) 779-6950 or email
publicworks@ci.antioch.ca.us. After hours, weekends and holidays call Police dispatch at (925) 778-2441.

Due Date > 6/24/2021
Amount Now Due, 5% Late Penalty if Not Received by Due Date > 77.50

PLEASE SEE REVERSE SIDE FOR PAYMENT OPTIONS

Table with 7 columns: Meter Readings (Current, Previous), CONSUMPTION INFORMATION (Gallons, Days), and Gallons / Day. Row 1: NO HISTORY AVAILABLE. Row 2: Last Year.

PLEASE DETACH AND RETURN THIS PORTION WITH PAYMENT

Due Date: 6/24/2021 Customer Name: PG&E
Account: 004-01512-01 For Service At: 3225 WILBUR AVE
Amount Now Due: 77.50

Amount Paid: \$ [Digit Entry Box]

Payment must be received by the City, on or before due date above to avoid 5% late penalty.



Please remit your payment to:
City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

004015120100007750

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City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

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City of Antioch - Finance Department
Utility Service Billing - Customer Service (925) 779-7060

Account: 004-01511-01 For service at: 3225 WILBUR AVE

CREATED ON 7/07/2021 Water Service From: 6/01/2021 To: 7/01/2021
Units: 3,562
COM ZONE 2 Zone Charge: 4.55



PG&E
3225 WILBUR AVE
ANTIOCH CA 94509-8546

PRIOR BALANCE
PAYMENTS APPLIED
WATER USAGE
2 " WATER MAINT FEE
SEWER NON-RES
BACKFLOW RP 3 "
PAYMENT ARRANGEMENTS ARE AVAILABLE, PLEASE CALL
US. TENANTS NEEDING FINANCIAL ASSISTANCE WITH
RENT AND UTILITIES, VISIT HOUSINGISKEY.COM

Amount
6,324.04
6,324.04-
16,207.10
165.00
4,670.82
25.10

For questions regarding this invoice, call Customer Service at (925) 779-7060.
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publicworks@ci.antioch.ca.us. After hours, weekends and holidays call Police dispatch at (925) 778-2441.

Due Date > 7/28/2021
Amount Now Due, 5% Late Penalty if Not Received by Due Date > 21,068.02

PLEASE SEE REVERSE SIDE FOR PAYMENT OPTIONS

Table with 6 columns: Meter Readings (Current, Previous), Units, CONSUMPTION INFORMATION (Gallons, Days), Gallons / Day. Rows show current and last year data.

PLEASE DETACH AND RETURN THIS PORTION WITH PAYMENT

Due Date: 7/28/2021 Customer Name: PG&E
Account: 004-01511-01 For Service At: 3225 WILBUR AVE
Amount Now Due: 21,068.02

Amount Paid: \$ [meter display]
Payment must be received by the City, on or before due date above to avoid 5% late penalty.



Please remit your payment to:
City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

004015110102106802

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To pay your regular, non-delinquent bill by mail, checks or money orders may be mailed to:

City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

Please be sure to detach and return the bottom portion/stub of your water utility bill and write your account number in the memo field of your payment. Return your payment in our blue return envelope. Mail payment 7 days prior to due date to ensure timely delivery. No staples or paper clips please! For your protection, please do not mail cash.



Or you can always visit us in person at the City Hall building located at the corner of Third and H Streets, 200 H Street, on the ground floor, at the Customer Service Cashier's window. Our regular walk in business hours are 8:00 am - 5:00 pm, M - F. (subject to change), excluding weekends and holidays. Cash, check (except for deposits, arrangements or on a final or disconnection notice), money order, debit or credit cards (Discover, MasterCard, Visa with picture id) are accepted. To avoid long lines near payment deadlines, consider paying by one of our other convenient options.



You can use our convenient night drop box to pay by check or money order however **checks are NOT accepted for deposits, extensions or on a final or disconnection notice.** We have two boxes located at the City Hall building. One is a drive up box located mid parking lot at the center crosswalk. The other is located on the east side entrance to the right of the double glass entrance doors. Both are clearly marked as night drop boxes. Please be sure to include the water utility bill and write your account number in the memo field of your payment. Payments are promptly collected at 7:30 am each working weekday for processing the same business day. The City is **NOT** responsible for cash left in the night drop box. For your protection, we encourage you to purchase a cashier's check or money order instead.

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City of Antioch - Finance Department
Utility Service Billing - Customer Service (925) 779-7060

Account: 004-01512-01 For service at: 3225 WILBUR AVE

CREATED ON 7/07/2021 Water Service From: 6/01/2021 To: 7/01/2021
Units:
Zone Charge:



PG&E
3225 WILBUR AVE
ANTIOCH CA 94509-8546

PRIOR BALANCE
PAYMENTS APPLIED
WATER USAGE
5/8"X3/4" MAINT FEE
FL DET CHK 6"
BACKFLW DC 5/8"X3/4"
PAYMENT ARRANGEMENTS ARE AVAILABLE, PLEASE CALL
US. TENANTS NEEDING FINANCIAL ASSISTANCE WITH
RENT AND UTILITIES, VISIT HOUSINGISKEY.COM

Amount
77.50
77.50-
0.00
24.40
47.80
5.30

For questions regarding this invoice, call Customer Service at (925) 779-7060.
For sewer problems, water leaks, potholes and street lights call Public Works at (925) 779-6950 or email
publicworks@ci.antioch.ca.us. After hours, weekends and holidays call Police dispatch at (925) 778-2441.

Due Date > 7/28/2021
Amount Now Due, 5% Late Penalty if Not Received by Due Date > 77.50

PLEASE SEE REVERSE SIDE FOR PAYMENT OPTIONS

Table with 7 columns: Meter Readings (Current, Previous), CONSUMPTION INFORMATION (Gallons, Days), and Gallons / Day. Row 1: NO HISTORY AVAILABLE. Row 2: Last Year.

PLEASE DETACH AND RETURN THIS PORTION WITH PAYMENT

Due Date: 7/28/2021 Customer Name: PG&E
Account: 004-01512-01 For Service At: 3225 WILBUR AVE
Amount Now Due: 77.50

Amount Paid: \$ [Digit Entry Box]
Payment must be received by the City, on or before due date above to avoid 5% late penalty.



Please remit your payment to:
City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

004015120100007750

Six Easy Ways to Pay



Through our Auto Draft program, you may have your monthly water utility bill automatically paid from your checking account or personal credit or debit/card with the following logos (Discover, MasterCard, Visa).

The City of Antioch does not charge for this service; however, your bank or credit card agency may charge you a fee for the transaction. Simply visit our website at www.antiochca.gov, scroll down to the bottom right hand corner, click on Water Payments and scroll down to print the Auto Pay Authorization Agreement form, complete and return this form in person or by mail to Finance Customer Service at 200 H St, Antioch, CA 94509.



To pay your bill online, visit our website at www.antiochca.gov, scroll down to the bottom right hand corner, click on Water Payments, log in and follow the simple prompts. A separate charge will appear on your statement for the convenience fee of \$1.00 (subject to change) payable to Municipal Online Payments. In addition, you may sign-up for **FREE** e-billing, see your account detail, transaction history, and change or update your phone number and view your consumption history. **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.**



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City of Antioch
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Artesia, CA 90702-6015

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City of Antioch - Finance Department
Utility Service Billing - Customer Service (925) 779-7060

Account: 004-015111-01 For service at: 3225 WILBUR AVE

CREATED ON 8/04/2021 Water Service From: 7/01/2021 To: 8/02/2021
Units: 3,455
Zone Charge: 4.55



PG&E
3225 WILBUR AVE
ANTIOCH CA 94509-8546

PRIOR BALANCE
PAYMENTS APPLIED
WATER USAGE
2 " WATER MAINT FEE
SEWER NON-RES
BACKFLOW RP 3 "
PLEASE NOTE NEW REMITTANCE ADDRESS FOR PAYMENTS .
BE SURE TO UPDATE YOUR ONLINE BANKING PAYMENTS .
WE WILL START ASSEESSING LATE FEES ON 10/01/2021 .

Amount
21,068.02
21,068.02-
15,720.25
165.00
4,530.65
25.10

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publicworks@ci.antioch.ca.us. After hours, weekends and holidays call Police dispatch at (925) 778-2441.

Due Date > 8/25/2021
Amount Now Due, 5% Late Penalty if Not Received by Due Date > 20,441.00

PLEASE SEE REVERSE SIDE FOR PAYMENT OPTIONS

Table with 6 columns: Meter Readings (Current, Previous, Units), CONSUMPTION INFORMATION (Gallons, Days, Gallons / Day). Rows show current and last year data.

PLEASE DETACH AND RETURN THIS PORTION WITH PAYMENT

Due Date: 8/25/2021 Customer Name: PG&E
Account: 004-015111-01 For Service At: 3225 WILBUR AVE
Amount Now Due: 20,441.00

Amount Paid: \$ [meter display]
Payment must be received by the City, on or before due date above to avoid 5% late penalty.

Please remit your payment to:
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PO BOX 6015
Artesia, CA 90702-6015



004015110102044100

Six Easy Ways to Pay



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Artesia, CA 90702-6015

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City of Antioch - Finance Department
Utility Service Billing - Customer Service (925) 779-7060

Account: 004-01512-01 For service at: 3225 WILBUR AVE

CREATED ON 8/04/2021 Water Service From: 7/01/2021 To: 8/02/2021
Units:
Zone Charge:



PG&E
3225 WILBUR AVE
ANTIOCH CA 94509-8546

PRIOR BALANCE
PAYMENTS APPLIED
WATER USAGE
5/8"X3/4" MAINT FEE
FL DET CHK 6"
BACKFLW DC 5/8"X3/4"
PLEASE NOTE NEW REMITTANCE ADDRESS FOR PAYMENTS.
BE SURE TO UPDATE YOUR ONLINE BANKING PAYMENTS.
WE WILL START ASSEESSING LATE FEES ON 10/01/2021.

Amount
77.50
77.50 -
0.00
24.40
47.80
5.30

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Due Date > 8/25/2021

Amount Now Due, 5% Late Penalty if Not Received by Due Date > 77.50

PLEASE SEE REVERSE SIDE FOR PAYMENT OPTIONS

Meter Readings		CONSUMPTION INFORMATION			
Current	Previous	Units	Gallons	Days	Gallons / Day
NO HISTORY AVAILABLE					
Last Year					

PLEASE DETACH AND RETURN THIS PORTION WITH PAYMENT

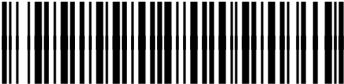
Due Date: 8/25/2021 Customer Name: PG&E

Account: 004-01512-01 For Service At: 3225 WILBUR AVE

Amount Now Due: 77.50

Amount Paid: \$

Payment must be received by the City, on or before due date above to avoid 5% late penalty.



Please remit your payment to:
City of Antioch
PO BOX 6015
Artesia, CA 90702-6015
[Barcode]

004015120100007750

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Artesia, CA 90702-6015

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City of Antioch - Finance Department
Utility Service Billing - Customer Service (925) 779-7060

Account: 004-015111-01 For service at: 3225 WILBUR AVE

CREATED ON 9/14/2021 Water Service From: 8/02/2021 To: 9/01/2021
Units: 2,780
Zone Charge: 4.55



PG&E
3225 WILBUR AVE
ANTIOCH CA 94509-8546

PRIOR BALANCE
PAYMENTS APPLIED
WATER USAGE
2 " WATER MAINT FEE
SEWER NON-RES
BACKFLOW RP 3 "
PLEASE NOTE NEW REMITTANCE ADDRESS FOR PAYMENTS .
BE SURE TO UPDATE YOUR ONLINE BANKING PAYMENTS .
WE WILL START ASSEESSING LATE FEES ON 10/01/2021 .

Amount
20,441.00
20,441.00 -
12,649.00
165.00
3,646.40
25.10

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publicworks@ci.antioch.ca.us. After hours, weekends and holidays call Police dispatch at (925) 778-2441.

Due Date > 10/05/2021
Amount Now Due, 5% Late Penalty if Not Received by Due Date > 16,485.50

PLEASE SEE REVERSE SIDE FOR PAYMENT OPTIONS

Table with 6 columns: Meter Readings (Current, Previous, Units), CONSUMPTION INFORMATION (Gallons, Days), Gallons / Day. Includes data for current month and last year.

PLEASE DETACH AND RETURN THIS PORTION WITH PAYMENT

Due Date: 10/05/2021 Customer Name: PG&E
Account: 004-015111-01 For Service At: 3225 WILBUR AVE
Amount Now Due: 16,485.50

Amount Paid: \$ [Digit display]
Payment must be received by the City, on or before due date above to avoid 5% late penalty.

Please remit your payment to:
City of Antioch
PO BOX 981476
West Sacramento, CA 95798



004015110101648550

Six Easy Ways to Pay



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Artesia, CA 90702-6015

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City of Antioch - Finance Department
Utility Service Billing - Customer Service (925) 779-7060

Account: 004-01512-01 For service at: 3225 WILBUR AVE

CREATED ON 9/14/2021 Water Service From: 8/02/2021 To: 9/01/2021
Units:
Zone Charge:



PG&E
3225 WILBUR AVE
ANTIOCH CA 94509-8546

PRIOR BALANCE
PAYMENTS APPLIED
WATER USAGE
5/8"X3/4" MAINT FEE
FL DET CHK 6"
BACKFLW DC 5/8"X3/4"
PLEASE NOTE NEW REMITTANCE ADDRESS FOR PAYMENTS.
BE SURE TO UPDATE YOUR ONLINE BANKING PAYMENTS.
WE WILL START ASSEESSING LATE FEES ON 10/01/2021.

Amount

77.50
77.50 -
0.00
24.40
47.80
5.30

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Due Date > 10/05/2021

Amount Now Due, 5% Late Penalty if Not Received by Due Date > 77.50

PLEASE SEE REVERSE SIDE FOR PAYMENT OPTIONS

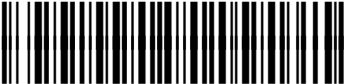
Meter Readings		CONSUMPTION INFORMATION			
Current	Previous	Units	Gallons	Days	Gallons / Day
NO HISTORY AVAILABLE					
Last Year					

PLEASE DETACH AND RETURN THIS PORTION WITH PAYMENT

Due Date: 10/05/2021 Customer Name: PG&E
Account: 004-01512-01 For Service At: 3225 WILBUR AVE
Amount Now Due: 77.50

Amount Paid: \$

Payment must be received by the City,
on or before due date above to avoid
5% late penalty.



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West Sacramento, CA 95798

004015120100007750

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You can use our convenient night drop box to pay by check or money order however **checks are NOT accepted for deposits, extensions or on a final or disconnection notice.** We have two boxes located at the City Hall building. One is a drive up box located mid parking lot at the center crosswalk. The other is located on the east side entrance to the right of the double glass entrance doors. Both are clearly marked as night drop boxes. Please be sure to include the water utility bill and write your account number in the memo field of your payment. Payments are promptly collected at 7:30 am each working weekday for processing the same business day. The City is **NOT** responsible for cash left in the night drop box. For your protection, we encourage you to purchase a cashier's check or money order instead.

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Any type of payment returned to the City are subject to a returned fee of \$80.00. This may subject you to immediate disconnection of water service if payment was made to avoid a disconnection.

City of Antioch - Finance Department
Utility Service Billing - Customer Service (925) 779-7060

Account: 004-01511-01 For service at: 3225 WILBUR AVE

CREATED ON 10/05/2021 Water Service From: 9/01/2021 To: 10/01/2021
Units: 2,064
COM ZONE 2 Zone Charge: 4.55



PG&E
3225 WILBUR AVE
ANTIOCH CA 94509-8546

PRIOR BALANCE
WATER USAGE
2 " WATER MAINT FEE
SEWER NON-RES
BACKFLOW RP 3"
PLEASE NOTE NEW REMITTANCE ADDRESS FOR PAYMENTS.
BE SURE TO UPDATE YOUR ONLINE BANKING PAYMENTS.
WE WILL START ASSESSING LATE FEES ON 10/01/2021.

Amount
16,485.50
9,391.20
165.00
2,708.44
25.10

For questions regarding this invoice, call Customer Service at (925) 779-7060.
For sewer problems, water leaks, potholes and street lights call Public Works at (925) 779-6950 or email
publicworks@ci.antioch.ca.us. After hours, weekends and holidays call Police dispatch at (925) 778-2441.

Due Date > 10/26/2021
Amount Now Due, 5% Late Penalty if Not Received by Due Date > 28,775.24

PLEASE SEE REVERSE SIDE FOR PAYMENT OPTIONS

Table with 6 columns: Meter Readings (Current, Previous, Units), CONSUMPTION INFORMATION (Gallons, Days), Gallons / Day. Includes data for current month and last year.

PLEASE DETACH AND RETURN THIS PORTION WITH PAYMENT

Due Date: 10/26/2021 Customer Name: PG&E
Account: 004-01511-01 For Service At: 3225 WILBUR AVE
Amount Now Due: 28,775.24

Amount Paid: \$ [Digit Entry Box]
Payment must be received by the City, on or before due date above to avoid 5% late penalty.

0040151101:\$
0040151101:\$

Please remit your payment to:
City of Antioch
PO BOX 981476
West Sacramento, CA 95798

004015110102877524

Six Easy Ways to Pay



Through our Auto Draft program, you may have your monthly water utility bill automatically paid from your checking account or personal credit or debit/card with the following logos (Discover, MasterCard, Visa).

The City of Antioch does not charge for this service; however, your bank or credit card agency may charge you a fee for the transaction. Simply visit our website at www.antiochca.gov, scroll down to the bottom right hand corner, click on Water Payments and scroll down to print the Auto Pay Authorization Agreement form, complete and return this form in person or by mail to Finance Customer Service at 200 H St, Antioch, CA 94509.



To pay your bill online, visit our website at www.antiochca.gov, scroll down to the bottom right hand corner, click on Water Payments, log in and follow the simple prompts. A separate charge will appear on your statement for the convenience fee of \$1.00 (subject to change) payable to Municipal Online Payments. In addition, you may sign-up for **FREE** e-billing, see your account detail, transaction history, and change or update your phone number and view your consumption history. **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.**



To pay your bill by automated phone attendant, call Customer Service at (925) 779-7060 and follow the prompts to pay your current water utility bill. This service is available 24 hours a day. **Automated telephone 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.**



To pay your regular, non-delinquent bill by mail, checks or money orders may be mailed to:

City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

Please be sure to detach and return the bottom portion/stub of your water utility bill and write your account number in the memo field of your payment. Return your payment in our blue return envelope. Mail payment 7 days prior to due date to ensure timely delivery. No staples or paper clips please! For your protection, please do not mail cash.



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Any type of payment returned to the City are subject to a returned fee of \$80.00. This may subject you to immediate disconnection of water service if payment was made to avoid a disconnection.

City of Antioch - Finance Department
Utility Service Billing - Customer Service (925) 779-7060

Account: 004-01512-01 For service at: 3225 WILBUR AVE

CREATED ON 10/05/2021 Water Service From: 9/01/2021 To: 10/01/2021
Units:
Zone Charge:



PG&E
3225 WILBUR AVE
ANTIOCH CA 94509-8546

PRIOR BALANCE
WATER USAGE
5/8"X3/4" MAINT FEE
FL DET CHK 6"
BACKFLW DC 5/8"X3/4"
PLEASE NOTE NEW REMITTANCE ADDRESS FOR PAYMENTS.
BE SURE TO UPDATE YOUR ONLINE BANKING PAYMENTS.
WE WILL START ASSESSING LATE FEES ON 10/01/2021.

Amount
77.50
0.00
24.40
47.80
5.30

For questions regarding this invoice, call Customer Service at (925) 779-7060.
For sewer problems, water leaks, potholes and street lights call Public Works at (925) 779-6950 or email
publicworks@ci.antioch.ca.us. After hours, weekends and holidays call Police dispatch at (925) 778-2441.

Due Date > 10/26/2021
Amount Now Due, 5% Late Penalty if Not Received by Due Date > 155.00

PLEASE SEE REVERSE SIDE FOR PAYMENT OPTIONS

Table with 6 columns: Meter Readings (Current, Previous), CONSUMPTION INFORMATION (Gallons, Days), Gallons / Day. Row 1: NO HISTORY AVAILABLE. Row 2: Last Year.

PLEASE DETACH AND RETURN THIS PORTION WITH PAYMENT

Due Date: 10/26/2021 Customer Name: PG&E
Account: 004-01512-01 For Service At: 3225 WILBUR AVE
Amount Now Due: 155.00

Amount Paid: \$ [Digit display]
Payment must be received by the City, on or before due date above to avoid 5% late penalty.

0040151201B\$
0040151201B\$

Please remit your payment to:
City of Antioch
PO BOX 981476
West Sacramento, CA 95798
[Barcode]

004015120100015500

Six Easy Ways to Pay



Through our Auto Draft program, you may have your monthly water utility bill automatically paid from your checking account or personal credit or debit/card with the following logos (Discover, MasterCard, Visa).

The City of Antioch does not charge for this service; however, your bank or credit card agency may charge you a fee for the transaction. Simply visit our website at www.antiochca.gov, scroll down to the bottom right hand corner, click on Water Payments and scroll down to print the Auto Pay Authorization Agreement form, complete and return this form in person or by mail to Finance Customer Service at 200 H St, Antioch, CA 94509.



To pay your bill online, visit our website at www.antiochca.gov, scroll down to the bottom right hand corner, click on Water Payments, log in and follow the simple prompts. A separate charge will appear on your statement for the convenience fee of \$1.00 (subject to change) payable to Municipal Online Payments. In addition, you may sign-up for **FREE** e-billing, see your account detail, transaction history, and change or update your phone number and view your consumption history. **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.**



To pay your bill by automated phone attendant, call Customer Service at (925) 779-7060 and follow the prompts to pay your current water utility bill. This service is available 24 hours a day. **Automated telephone 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.**



To pay your regular, non-delinquent bill by mail, checks or money orders may be mailed to:

City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

Please be sure to detach and return the bottom portion/stub of your water utility bill and write your account number in the memo field of your payment. Return your payment in our blue return envelope. Mail payment 7 days prior to due date to ensure timely delivery. No staples or paper clips please! For your protection, please do not mail cash.



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City of Antioch - Finance Department
Utility Service Billing - Customer Service (925) 779-7060

Account: 004-01511-0 For service at: 3225 WILBUR AVE

CREATED ON 11/03/2021 Water Service From: 10/01/2021 To: 11/01/2021
Units: 2,030
Zone Charge: 4.55



PG&E
3225 WILBUR AVE
ANTIOCH CA 94509-8546

	Amount
PRIOR BALANCE	28,775.24
PAYMENTS APPLIED	28,775.24-
WATER USAGE	9,236.50
2 " WATER MAINT FEE	165.00
SEWER NON-RES	2,663.90
BACKFLOW RP 3"	25.10
PLEASE NOTE NEW REMITTANCE ADDRESS FOR PAYMENTS.	
BE SURE TO UPDATE YOUR ONLINE BANKING PAYMENTS.	
WE WILL START ASSESSING LATE FEES ON 11/01/2021.	

For questions regarding this invoice, call Customer Service at (925) 779-7060.

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

Due Date > 11/24/2021

Amount Now Due, 5% Late Penalty if Not Received by Due Date > 12,090.50

PLEASE SEE REVERSE SIDE FOR PAYMENT OPTIONS

Meter Readings			CONSUMPTION INFORMATION		
Current	Previous	Units	Gallons	Days	Gallons / Day
112485	110455	2,030	1,518,440	31	48,981
		1,728	1,292,544	31	41,694
Last Year					

PLEASE DETACH AND RETURN THIS PORTION WITH PAYMENT

Due Date:

11/24/2021

Account:

004-01511-01

Amount Now Due:

12,090.50

Customer Name:

PG&E

For Service At:

3225 WILBUR AVE

Amount Paid: \$ [meter display]

Payment must be received by the City, on or before due date above to avoid 5% late penalty.

Please remit your payment to:

City of Antioch
PO BOX 981476
West Sacramento, CA 95798

[Barcode]



004015110101209050

Six Easy Ways to Pay



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City of Antioch
PO BOX 6015
Artesia, CA 90702-6015

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City of Antioch - Finance Department
Utility Service Billing - Customer Service (925) 779-7060

Account: 004-01512-0 For service at: 3225 WILBUR AVE

CREATED ON 11/03/2021 Water Service From: 10/01/2021 To: 11/01/2021

Units:
Zone Charge:



PG&E
3225 WILBUR AVE
ANTIOCH CA 94509-8546

PRIOR BALANCE
PAYMENTS APPLIED
WATER USAGE
5/8"X3/4" MAINT FEE
FL DET CHK 6"
BACKFLW DC 5/8"X3/4"
PLEASE NOTE NEW REMITTANCE ADDRESS FOR PAYMENTS.
BE SURE TO UPDATE YOUR ONLINE BANKING PAYMENTS.
WE WILL START ASSESSING LATE FEES ON 11/01/2021.

Amount
155.00
155.00-
0.00
24.40
47.80
5.30

For questions regarding this invoice, call Customer Service at (925) 779-7060.
For sewer problems, water leaks, potholes and street lights call Public Works at (925) 779-6950 or email
publicworks@ci.antioch.ca.us. After hours, weekends and holidays call Police dispatch at (925) 778-2441.

Due Date > 11/24/2021

Amount Now Due, 5% Late Penalty if Not Received by Due Date > 77.50

PLEASE SEE REVERSE SIDE FOR PAYMENT OPTIONS

Meter Readings CONSUMPTION INFORMATION
Current Previous Units Gallons Days Gallons / Day

NO HISTORY AVAILABLE

Last Year

PLEASE DETACH AND RETURN THIS PORTION WITH PAYMENT

Due Date: 11/24/2021 Customer Name: PG&E
Account: 004-01512-01 For Service At: 3225 WILBUR AVE
Amount Now Due: 77.50

Amount Paid: \$ [meter display]

Payment must be received by the City,
on or before due date above to avoid
5% late penalty.



Please remit your payment to:
City of Antioch
PO BOX 981476
West Sacramento, CA 95798

004015120100007750

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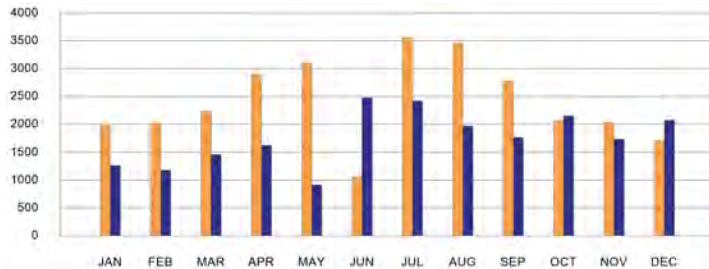
Pay Online: www.municipalonlinepayments.com/antiochca

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



Prior Usage Current Usage

1 UNIT = 748 GALLONS

Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	112485	114197	1712

SPECIAL MESSAGE

We will start assessing late fees Nov. 1st. Shutoffs due to non-payment will resume Jan 1st. To set up a payment arrangement call 925-779-7060.

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

Billing Statement

ACCOUNT INFORMATION

ACCOUNT: 004-01511-01
SERVICE ADDRESS: 3225 Wilbur Ave
SERVICE PERIOD: 11/01/21 TO 12/01/21
BILLING DATE: 12/14/21

CURRENT CHARGES

WATER \$7,789.60
USAGE TIER 1 = 1712 Units @ 4.55 / UNIT \$7,789.60
2 " WATER MAINT FEE \$165.00
SEWER \$2,247.32
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE (PAY NOW TO AVOID DISCONNECT) \$12,090.50
TOTAL PAYMENTS (LAST PAYMENT 11/24/2021) (\$12,090.50)
CURRENT CHARGES DUE 01/04/2022 \$10,227.02
TOTAL BALANCE \$10,227.02

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

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: 11/01/21 TO 12/01/21
BILLING DATE: 12/14/21



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$0.00
CURRENT CHARGES DUE 01/04/2022 \$10,227.02
TOTAL BALANCE \$10,227.02

AMOUNT ENCLOSED

REMIT PAYMENT TO:



CITY OF ANTIOCH

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

00401511010000010227020000010738380

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.

You are responsible for all charges until you notify the City of Antioch to stop water service and water service is terminated.

Section 6-5.04.E provides disputes regarding a water bill shall not justify non-payment, underpayment, or delay in payment. Disputed bills shall be paid when due. Requests for investigation of a disputed bill shall be made in writing to the Finance Services Supervisor. If a dispute is resolved in favor of the customer, a refund or credit shall be made.

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.

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All Offices are open Monday-Friday

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

YOUR MONTHLY USAGE



Prior Usage Current Usage

1 UNIT = 748 GALLONS

Current Meter Information

Meter	Service Type	Previous	Current	Consumption
31682	WATER	114197	115362	1165

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: 12/01/21 TO 01/01/22
BILLING DATE: 01/07/22

CURRENT CHARGES

WATER \$5,300.75
USAGE TIER 1 = 1165 Units @ 4.55 / UNIT \$5,300.75
2" WATER MAINT FEE \$165.00
SEWER \$1,530.75
BACKFLOW DEVICE \$25.10

AMOUNT NOW DUE

PREVIOUS BALANCE (PAY NOW TO AVOID DISCONNECT) \$10,227.02
TOTAL PAYMENTS \$0.00
CURRENT CHARGES DUE 01/28/2022 \$7,021.60
TOTAL BALANCE \$17,248.62

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: 12/01/21 TO 01/01/22
BILLING DATE: 01/07/22



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

AMOUNT DUE

PAST DUE BALANCE (PAY NOW TO AVOID DISCONNECT) \$10,227.02
CURRENT CHARGES DUE 01/28/2022 \$7,021.60
TOTAL BALANCE \$17,248.62

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

00401511010000017248620000017599718

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.

You are responsible for all charges until you notify the City of Antioch to stop water service and water service is terminated.

Section 6-5.04.E provides disputes regarding a water bill shall not justify non-payment, underpayment, or delay in payment. Disputed bills shall be paid when due. Requests for investigation of a disputed bill shall be made in writing to the Finance Services Supervisor. If a dispute is resolved in favor of the customer, a refund or credit shall be made.

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.

Gateway Generating Station
(00-AFC-1C)

Annual Compliance Report No. 13

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

Gateway Generating Station
(00-AFC-1C)

Annual Compliance Report No. 13

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



**Pacific Gas and
Electric Company[®]**

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

Received 4/12/21
by JH

April 7, 2021

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

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

Subject: Quarterly Self-Monitoring Report
(For Period Ending March 31, 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, 2021, 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®**

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

April 7, 2021

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

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

Subject: Quarterly Self-Monitoring Report
(For Period Ending March 31, 2021)

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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,

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 March 31, 2021

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, 2021

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:** Apr. 7, 2021

Print Name: Tim Wisdom

Attachment 2
Industrial User Compliance Report

Industrial User Compliance Report Form

Attn: Jason Yun

Fax # (925)756-1961

From: Tim Wisdom

Company: Pacific Gas and Electric Company – Gateway Generating Station

Period Covered: Period ending March 31, 2021

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.) (Submitted in Q2 2020 SMR)

☒ 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 StationID #:0208841-C
ADDRESS:3225 Wilbur AvenueTYPE:Power Generation Plant
CITY :Antioch

SIC:4911

DATE	3/1/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021			
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.		7.91						
BOD				26.0					
COD				24.0					
TDS				610.0					
TSS				ND(<1.0)					
Arsenic	0.15			0.00084					
Cadmium	0.1			0.0016					
Chromium	0.5			ND(<0.0005)					
Copper	0.5			0.0039					
Iron				ND(<0.10)					
Lead	0.5			ND(<0.0005)					
Mercury	0.003			ND(<0.0002)					
Molybdenum				0.035					
Nickel	0.5			0.0020					
Selenium	0.25			ND(<0.0005)					
Silver	0.2			ND(<0.0005)					
Zinc	1.00			0.032					
Cyanide	0.2		0.0029						
Phenol	1.00		0.036						
Ammonia	200		46						
O&G Petro/Min (E1664A w/ Silica)	100	ND(<5.0)	ND(<5.0)						
O&G Animal/Vegetable Oil	300	ND(<5.1)	ND(<5.0)						
TTO EPA 608					ND(<0.0001)				
TTO EPA 624					0.00605				
TTO EPA 625					0.016099				
TTO	2.00				0.022149				
Sulfide						ND (<0.05)			
Sulfate						97			

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 2021-March 2021

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)	
1/1/2021	34.9	0.0	NO	22,615	0.0	0	NO		22,615
1/2/2021	36.9	0.0	NO	30,707	20.1	0	NO	358	31,066
1/3/2021	35.1	0.0	NO	23,494	0.0	0	NO		23,494
1/4/2021	35.0	0.0	NO	33,455	0.0	0	NO		33,455
1/5/2021	34.7	0.0	NO	38,982	19.5	0	NO	384	39,366
1/6/2021	37.6	0.0	NO	37,070	0.0	0	NO		37,070
1/7/2021	35.4	0.0	NO	34,696	19.6	0	NO	370	35,066
1/8/2021	35.3	1.0	NO	33,608	0.0	2	NO		33,608
1/9/2021	34.7	0.0	NO	48,247	0.0	0	NO		48,247
1/10/2021	34.7	0.0	NO	34,186	0.1	0	NO		34,186
1/11/2021	35.0	0.0	NO	27,847	19.5	0	NO	366	28,213
1/12/2021	34.8	0.0	NO	26,615	17.9	0	NO	359	26,974
1/13/2021	34.8	0.0	NO	31,715	0.0	0	NO		31,715
1/14/2021	34.7	0.0	NO	43,782	19.4	0	NO	368	44,149
1/15/2021	34.6	0.0	NO	49,009	0.0	0	NO		49,009
1/16/2021	34.9	0.0	NO	30,055	0.0	0	NO		30,055
1/17/2021	35.1	0.0	NO	19,478	19.4	0	NO	360	19,838
1/18/2021	34.7	0.0	NO	44,215	0.0	0	NO		44,215
1/19/2021	35.0	0.0	NO	19,223	19.7	0	NO	345	19,568
1/20/2021	34.8	0.0	NO	46,196	0.0	0	NO		46,196
1/21/2021	34.8	0.0	NO	32,105	18.1	0	NO	365	32,470
1/22/2021	34.7	0.0	NO	44,486	0.0	0	NO		44,486
1/23/2021	35.0	0.0	NO	16,877	20.3	0	NO	354	17,231
1/24/2021	34.9	0.0	NO	30,192	0.1	0	NO		30,192
1/25/2021	35.1	0.0	NO	16,216	0.1	0	NO		16,216
1/26/2021	34.9	0.0	NO	21,201	19.7	0	NO	351	21,553
1/27/2021	34.7	0.0	NO	32,676	0.0	0	NO		32,676
1/28/2021	34.5	0.0	NO	17,507	19.6	0	NO	362	17,869
1/29/2021	34.8	0.0	NO	49,007	0.0	0	NO		49,007
1/30/2021	41.1	8.0	NO	34,059	19.8	0	NO	366	34,425
1/31/2021	34.5	0.0	NO	25,587	0.0	0	NO		25,587

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

Monthly Total: 999,816

2/1/2021	34.5	0.0	NO	14,747	0.0	0	NO		14,747
2/2/2021	34.5	0.0	NO	32,428	20.2	0	NO	365	32,793
2/3/2021	34.8	0.0	NO	42,666	0.0	0	NO		42,666
2/4/2021	34.6	0.0	NO	23,141	19.6	0	NO	369	23,510
2/5/2021	35.3	0.0	NO	23,070	0.1	0	NO		23,070
2/6/2021	35.1	0.0	NO	36,264	19.5	0	NO	363	36,628
2/7/2021	34.5	0.0	NO	43,969	0.1	0	NO		43,969
2/8/2021	35.0	1.0	NO	31,364	0.0	2	NO		31,364
2/9/2021	35.3	0.0	NO	36,704	20.9	0	NO	371	37,075
2/10/2021	34.8	0.0	NO	38,730	0.0	0	NO	371	39,101
2/11/2021	35.1	0.0	NO	29,943	0.0	0	NO		29,943
2/12/2021	36.2	0.0	NO	35,276	19.5	0	NO	389	35,665
2/13/2021	34.5	0.0	NO	16,125	0.0	0	NO		16,125
2/14/2021	34.5	0.0	NO	28,559	0.0	0	NO		28,559
2/15/2021	34.8	0.0	NO	10,904	0.0	0	NO		10,904
2/16/2021	35.3	0.0	NO	35,875	19.1	0	NO	363	36,238
2/17/2021	34.8	0.0	NO	47,656	0.0	0	NO		47,656
2/18/2021	35.0	0.0	NO	45,329	17.9	0	NO	356	45,685
2/19/2021	35.3	0.0	NO	48,057	0.0	0	NO		48,057
2/20/2021	35.1	0.0	NO	14,664	0.0	0	NO		14,664

PG&E Gateway Generating Station

Discharge Flow Data

January 2021-March 2021

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)	
2/21/2021	35.3	0.0	NO	24,962	19.3	0	NO	350	25,312
2/22/2021	34.6	0.0	NO	49,005	0.0	0	NO		49,005
2/23/2021	34.7	0.0	NO	37,781	19.1	0	NO	371	38,152
2/24/2021	34.8	0.0	NO	43,652	0.0	0	NO		43,652
2/25/2021	34.5	0.0	NO	46,935	20.4	0	NO	373	47,307
2/26/2021	34.9	0.0	NO	42,645	0.0	0	NO		42,645
2/27/2021	34.5	0.0	NO	31,163	20.6	0	NO	349	31,512
2/28/2021	34.5	0.0	NO	48,996	0.0	0	NO		48,996

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

Monthly Total: 965,002

3/1/2021	34.7	0.0	NO	48,787	20.2	0	NO	212	49,000
3/2/2021	34.6	0.0	NO	40,112	0.1	0	NO		40,112
3/3/2021	35.2	0.0	NO	18,973	21.3	0	NO	377	19,350
3/4/2021	35.1	0.0	NO	44,157	0.0	0	NO		44,157
3/5/2021	34.7	0.0	NO	38,701	20.2	0	NO	362	39,063
3/6/2021	35.1	0.0	NO	33,908	0.0	0	NO		33,908
3/7/2021	35.2	0.0	NO	31,953	0.0	0	NO		31,953
3/8/2021	34.5	1.0	NO	46,553	19.8	0	NO	371	46,923
3/9/2021	35.3	0.0	NO	27,304	0.0	0	NO		27,304
3/10/2021	35.0	0.0	NO	48,327	19.6	0	NO		48,327
3/11/2021	34.6	0.0	NO	49,013	0.0	0	NO		49,013
3/12/2021	34.5	0.0	NO	48,626	19.5	0	NO	367	48,993
3/13/2021	34.7	0.0	NO	45,428	0.0	0	NO		45,428
3/14/2021	34.7	60.0	NO	42,032	0.0	60	NO		42,032
3/15/2021	34.6	0.0	NO	48,625	18.4	0	NO	353	48,978
3/16/2021	34.6	0.0	NO	49,003	0.0	0	NO		49,003
3/17/2021	34.6	0.0	NO	47,863	20.8	0	NO	370	48,233
3/18/2021	35.0	0.0	NO	15,347	0.0	0	NO		15,347
3/19/2021	35.1	0.0	NO	35,839	19.7	0	NO	356	36,196
3/20/2021	35.2	0.0	NO	29,964	0.0	0	NO		29,964
3/21/2021	35.6	0.0	NO	25,778	0.0	0	NO		25,778
3/22/2021	34.9	0.0	NO	41,405	19.5	0	NO	368	41,772
3/23/2021	35.0	0.0	NO	36,744	0.0	0	NO		36,744
3/24/2021	34.9	0.0	NO	33,831	19.5	0	NO	362	34,193
3/25/2021	35.1	0.0	NO	30,862	0.0	0	NO		30,862
3/26/2021	34.9	0.0	NO	33,322	0.0	0	NO		33,322
3/27/2021	35.3	0.0	NO	23,414	19.3	0	NO	352	23,766
3/28/2021	35.2	0.0	NO	35,522	0.0	0	NO		35,522
3/29/2021	35.5	0.0	NO	37,571	0.0	0	NO		37,571
3/30/2021	35.4	0.0	NO	36,975	21.0	0	NO	355	37,330
3/31/2021	35.2	0.0	NO	49,008	0.1	0	NO		49,008

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

Monthly Total: 1,179,151

Note:

1) The plant PI system detected 60 minutes of blank data entry on 3/14/2021 corresponding to the DST time change, but no data was lost.

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: **2021**

Month	Flow (gallons)	Due Date
January	999,816	4/15/2021
February	965,002	4/15/2021
March	1,179,151	4/15/2021
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 2021 to March 2021

WSAC Operation	
Month	Hours of Operation
January-21	5.67
February-21	6.25
March-21	15.58
April-21	
May-21	
June-21	
July-21	
August-21	
September-21	
October-21	
November-21	
December-21	

Attachment 7
Cycles of Concentration

PG&E Gateway Generating Station

WSAC Average Daily Blowdown Cycles Report
January 2021 to March 2021

WSAC Operation	
Month	Average Daily Blowdown Cycles
1/17/20201	1.69
February-21	4.50
March-21	4.72
April-21	
May-21	
June-21	
July-21	
August-21	
September-21	
October-21	
November-21	
December-21	

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
Annual Monitoring of Combined Site Stream
(E-001)



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2103073

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 2021)

Project Received: 03/02/2021

Analytical Report reviewed & approved for release on 03/05/2021 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
Project: Annual Sampling (March 2021)
WorkOrder: 2103073

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
N/A	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: Annual Sampling (March 2021)

WorkOrder: 2103073

Analytical Qualifiers

S Surrogate recovery outside accepted recovery limits.

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

Quality Control Qualifiers

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



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/02/2021 12:45
Date Prepared: 03/03/2021
Project: Annual Sampling (March 2021)

WorkOrder: 2103073
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	2103073-001B	Water	03/02/2021 10:35		IC4 03042115.D	216496
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>	
Sulfate	97		10	100	03/03/2021 14:46	
<u>Surrogates</u>	<u>REC (%)</u>	<u>Qualifiers</u>	<u>Limits</u>			
Malonate	0	S	90-115		03/03/2021 14:46	
Analyst(s): AO			Analytical Comments: c1			



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/02/2021 12:45
Date Prepared: 03/03/2021
Project: Annual Sampling (March 2021)

WorkOrder: 2103073
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	2103073-001A	Water	03/02/2021 10:35	SPECTROPHOTOMETER	216570

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Total Sulfide	ND	0.050	1	03/03/2021 15:18

Analyst(s): PHU



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/02/2021
Date Analyzed: 03/02/2021
Instrument: IC4
Matrix: Water
Project: Annual Sampling (March 2021)

WorkOrder: 2103073
BatchID: 216496
Extraction Method: E300.1
Analytical Method: E300.1
Unit: mg/L
Sample ID: MB/LCS/LCSD-216496

QC Summary Report for E300.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Sulfate	ND	0.0440	0.100	-	-	-
Surrogate Recovery						
Malonate	0.104			0.1	104	90-115

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Sulfate	1.00	1.01	1	100	101	85-115	0.457	20
Surrogate Recovery								
Malonate	0.0995	0.0997	0.10	99	100	90-115	0.237	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/03/2021
Date Analyzed: 03/03/2021
Instrument: SPECTROPHOTOMETER
Matrix: Water
Project: Annual Sampling (March 2021)

WorkOrder: 2103073
BatchID: 216570
Extraction Method: SM4500-S² D-2000
Analytical Method: SM4500 S² D
Unit: mg/L
Sample ID: MB/LCS/LCSD-216570
2103073-001AMS/MSD

QC Summary Report For SM4500 S-2D

Analyte	MB Result	MDL	RL			
Total Sulfide	ND	0.00950	0.0500	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Sulfide	0.474	0.476	0.50	95	95	80-120	0.226	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Total Sulfide	1	0.146	0.144	0.50	ND	29,F1	29,F1	80-120	0.988	20



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2103073

ClientCode: PGEA

☐ WaterTrax

☐ WriteOn

☐ 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@p
PO:
Project: Annual Sampling (March 2021)

Bill to:

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

Requested TAT: 5 days;

Date Received: 03/02/2021

Date Logged: 03/02/2021

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2103073-001	E-001	Water	3/2/2021 10:35	<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	

Project Manager: Angela Rydelius

Prepared by: Nancy Palacios

Comments:

NOTE: Soil samples are discarded 60 days after results are reported 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 2021)

Work Order: 2103073

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 3/2/2021

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
001A	E-001	Water	SM4500S2D (Total Sulfide)	1	250mL HDPE w/ NaOH	<input type="checkbox"/>	<input type="checkbox"/>	3/2/2021 10:35	5 days	3/9/2021	Present	<input type="checkbox"/>	
001B	E-001	Water	E300.1 (Inorganic Anions) <Sulfate>	1	250mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	3/2/2021 10:35	5 days	3/9/2021	Present	<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 exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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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: abe4@pge.com, A1HE@pge.com, J5Ld@pge.com, tWY@pge.com

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

Project Name: Annual Sampling (March 2022)

Project Location: Combined Site Flow

Sampler Signature: Muskegon Environmental Sampling

Analysis Request

Remarks

[illegible]

Relinquished By:

Date:

Time:

Received By:

-ICE/t^o

GOOD CONDITION

HEAD SPACE ABSENT

DECHLORINATED IN LAB

APPROPRIATE CONTAINERS

PRESERVED IN LAB

COMMENTS:

Relinquished By:

Date:

Time:

Received By:

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	



Sample Receipt Checklist

Client Name: **PG&E Gateway Generating Station**
Project: **Annual Sampling (March 2021)**

Date and Time Received: **3/2/2021 12:45**

Date Logged: **3/2/2021**

Received by: **Lilly Ortiz**

Logged by: **Nancy Palacios**

WorkOrder No: **2103073** 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"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

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

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 2°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 (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments:

Attachment 8b
Semi-annual Monitoring of Combined Site Stream
(E-001)



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Analytical Report

WorkOrder: 2103076

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 2021)

Project Received: 03/02/2021

Analytical Report reviewed & approved for release on 03/10/2021 by:

Christine Askari
Project Manager

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





Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station
Project: Semi-Annual Sampling (March 2021)
WorkOrder: 2103076

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
N/A	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
PDS D	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
Project: Semi-Annual Sampling (March 2021)
WorkOrder: 2103076

Analytical Qualifiers

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

Quality Control Qualifiers

F1 MS/MSD recovery and/or RPD is out of acceptance criteria; LCS validates the prep batch.
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: 03/02/2021 12:45
Date Prepared: 03/04/2021
Project: Semi-Annual Sampling (March 2021)

WorkOrder: 2103076
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	2103076-001D	Water	03/02/2021 10:35	GC20 03052137.D	216648

Analytes	Result	MDL	RL	DE	Date Analyzed
Aldrin	ND	0.00028	0.0010	1	03/05/2021 19:46
a-BHC	ND	0.00031	0.0010	1	03/05/2021 19:46
b-BHC	ND	0.00069	0.0010	1	03/05/2021 19:46
d-BHC	ND	0.00014	0.0010	1	03/05/2021 19:46
g-BHC	ND	0.00045	0.0010	1	03/05/2021 19:46
Chlordane (Technical)	ND	0.0023	0.020	1	03/05/2021 19:46
p,p-DDD	ND	0.00011	0.0010	1	03/05/2021 19:46
p,p-DDE	ND	0.00018	0.0010	1	03/05/2021 19:46
p,p-DDT	ND	0.00017	0.0010	1	03/05/2021 19:46
Dieldrin	ND	0.00014	0.0010	1	03/05/2021 19:46
Endosulfan I	ND	0.00011	0.0010	1	03/05/2021 19:46
Endosulfan II	ND	0.00046	0.0010	1	03/05/2021 19:46
Endosulfan sulfate	ND	0.00033	0.0020	1	03/05/2021 19:46
Endrin	ND	0.00018	0.0010	1	03/05/2021 19:46
Endrin aldehyde	ND	0.00053	0.0010	1	03/05/2021 19:46
Heptachlor	ND	0.00041	0.0010	1	03/05/2021 19:46
Heptachlor epoxide	ND	0.00025	0.0010	1	03/05/2021 19:46
Toxaphene	ND	0.0020	0.020	1	03/05/2021 19:46
Aroclor1016	ND	0.0019	0.020	1	03/05/2021 19:46
Aroclor1221	ND	0.0024	0.020	1	03/05/2021 19:46
Aroclor1232	ND	0.0038	0.020	1	03/05/2021 19:46
Aroclor1242	ND	0.0028	0.020	1	03/05/2021 19:46
Aroclor1248	ND	0.0018	0.020	1	03/05/2021 19:46
Aroclor1254	ND	0.0015	0.020	1	03/05/2021 19:46
Aroclor1260	ND	0.0028	0.020	1	03/05/2021 19:46
PCBs, total	ND	NA	0.020	1	03/05/2021 19:46

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	73	60-130	03/05/2021 19:46

Analyst(s): CK



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Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/02/2021 12:45
Date Prepared: 03/03/2021
Project: Semi-Annual Sampling (March 2021)

WorkOrder: 2103076
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	2103076-001B	Water	03/02/2021 10:35	GC45 03032106.D	216568

Analytes	Result	RL	DE	Date Analyzed
Acrolein (Propenal)	ND	5.0	1	03/03/2021 10:23
Acrylonitrile	ND	2.0	1	03/03/2021 10:23
2-Chloroethyl Vinyl Ether	ND	1.0	1	03/03/2021 10:23

Surrogates	REC (%)	Limits	
Dibromofluoromethane	97	65-165	03/03/2021 10:23

Analyst(s): KF



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/02/2021 12:45
Date Prepared: 03/03/2021
Project: Semi-Annual Sampling (March 2021)

WorkOrder: 2103076
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	2103076-001A	Water	03/02/2021 10:35	GC28 03032114.D	216576

Analytes	Result	RL	DE	Date Analyzed
Benzene	ND	0.50	1	03/03/2021 15:58
Bromodichloromethane	2.2	0.50	1	03/03/2021 15:58
Bromoform	0.61	0.50	1	03/03/2021 15:58
Bromomethane	ND	0.50	1	03/03/2021 15:58
Carbon tetrachloride	ND	0.50	1	03/03/2021 15:58
Chlorobenzene	ND	0.50	1	03/03/2021 15:58
Chloroethane	ND	0.50	1	03/03/2021 15:58
Chloroform	0.94	0.50	1	03/03/2021 15:58
Chloromethane	ND	0.50	1	03/03/2021 15:58
Dibromochloromethane	2.3	0.50	1	03/03/2021 15:58
1,2-Dichlorobenzene	ND	0.50	1	03/03/2021 15:58
1,3-Dichlorobenzene	ND	0.50	1	03/03/2021 15:58
1,4-Dichlorobenzene	ND	0.50	1	03/03/2021 15:58
1,1-Dichloroethane	ND	0.50	1	03/03/2021 15:58
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	03/03/2021 15:58
1,1-Dichloroethene	ND	0.50	1	03/03/2021 15:58
trans-1,2-Dichloroethene	ND	0.50	1	03/03/2021 15:58
1,2-Dichloropropane	ND	0.50	1	03/03/2021 15:58
cis-1,3-Dichloropropene	ND	0.50	1	03/03/2021 15:58
trans-1,3-Dichloropropene	ND	0.50	1	03/03/2021 15:58
Ethylbenzene	ND	0.50	1	03/03/2021 15:58
Methylene chloride	ND	2.0	1	03/03/2021 15:58
1,1,2,2-Tetrachloroethane	ND	0.50	1	03/03/2021 15:58
Tetrachloroethene	ND	0.50	1	03/03/2021 15:58
Toluene	ND	0.50	1	03/03/2021 15:58
1,1,1-Trichloroethane	ND	0.50	1	03/03/2021 15:58
1,1,2-Trichloroethane	ND	0.50	1	03/03/2021 15:58
Trichloroethene	ND	0.50	1	03/03/2021 15:58
Trichlorofluoromethane	ND	0.50	1	03/03/2021 15:58
Vinyl chloride	ND	0.50	1	03/03/2021 15:58

Surrogates	REC (%)	Limits	
Dibromofluoromethane	104	70-130	03/03/2021 15:58
Toluene-d8	94	70-130	03/03/2021 15:58
4-BFB	96	70-130	03/03/2021 15:58

Analyst(s): TW



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/02/2021 12:45
Date Prepared: 03/02/2021
Project: Semi-Annual Sampling (March 2021)

WorkOrder: 2103076
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	2103076-001C	Water	03/02/2021 10:35		GC17 03082112.D	216474
Analytes	Result	RL	DF	Date Analyzed		
Acenaphthene	ND	0.048	10	03/08/2021 14:28		
Acenaphthylene	ND	0.048	10	03/08/2021 14:28		
Anthracene	ND	0.096	10	03/08/2021 14:28		
Benzidine	ND	48	10	03/08/2021 14:28		
Benzo (a) anthracene	ND	0.48	10	03/08/2021 14:28		
Benzo (a) pyrene	ND	0.048	10	03/08/2021 14:28		
Benzo (b) fluoranthene	ND	0.19	10	03/08/2021 14:28		
Benzo (g,h,i) perylene	ND	0.19	10	03/08/2021 14:28		
Benzo (k) fluoranthene	ND	0.096	10	03/08/2021 14:28		
Bis (2-chloroethoxy) Methane	ND	9.6	10	03/08/2021 14:28		
Bis (2-chloroethyl) Ether	ND	0.048	10	03/08/2021 14:28		
Bis (2-chloroisopropyl) Ether	ND	0.48	10	03/08/2021 14:28		
Bis (2-ethylhexyl) Phthalate	ND	1.9	10	03/08/2021 14:28		
4-Bromophenyl Phenyl Ether	ND	9.6	10	03/08/2021 14:28		
Butylbenzyl Phthalate	ND	0.48	10	03/08/2021 14:28		
4-Chloro-3-methylphenol	ND	9.6	10	03/08/2021 14:28		
2-Chloronaphthalene	ND	9.6	10	03/08/2021 14:28		
2-Chlorophenol	ND	0.48	10	03/08/2021 14:28		
4-Chlorophenyl Phenyl Ether	ND	9.6	10	03/08/2021 14:28		
Chrysene	ND	0.096	10	03/08/2021 14:28		
Dibenzo (a,h) anthracene	ND	0.096	10	03/08/2021 14:28		
Di-n-butyl Phthalate	ND	0.48	10	03/08/2021 14:28		
1,2-Dichlorobenzene	ND	9.6	10	03/08/2021 14:28		
1,3-Dichlorobenzene	ND	9.6	10	03/08/2021 14:28		
1,4-Dichlorobenzene	ND	9.6	10	03/08/2021 14:28		
3,3-Dichlorobenzidine	ND	0.19	10	03/08/2021 14:28		
2,4-Dichlorophenol	0.099	0.096	10	03/08/2021 14:28		
Diethyl Phthalate	ND	0.48	10	03/08/2021 14:28		
2,4-Dimethylphenol	ND	9.6	10	03/08/2021 14:28		
Dimethyl Phthalate	ND	0.096	10	03/08/2021 14:28		
2,4-Dinitrophenol	ND	19	10	03/08/2021 14:28		
2,4-Dinitrotoluene	ND	0.48	10	03/08/2021 14:28		
2,6-Dinitrotoluene	ND	0.48	10	03/08/2021 14:28		
Di-n-octyl Phthalate	ND	0.48	10	03/08/2021 14:28		
1,2-Diphenylhydrazine	ND	9.6	10	03/08/2021 14:28		
Fluoranthene	ND	0.096	10	03/08/2021 14:28		
Fluorene	ND	0.096	10	03/08/2021 14:28		

(Cont.)



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/02/2021 12:45
Date Prepared: 03/02/2021
Project: Semi-Annual Sampling (March 2021)

WorkOrder: 2103076
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	2103076-001C	Water	03/02/2021 10:35	GC17 03082112.D	216474

Analytes	Result	RL	DE	Date Analyzed
Hexachlorobenzene	ND	0.048	10	03/08/2021 14:28
Hexachlorobutadiene	ND	0.096	10	03/08/2021 14:28
Hexachlorocyclopentadiene	ND	48	10	03/08/2021 14:28
Hexachloroethane	ND	0.48	10	03/08/2021 14:28
Indeno (1,2,3-cd) pyrene	ND	0.19	10	03/08/2021 14:28
Isophorone	ND	19	10	03/08/2021 14:28
2-Methylphenol (o-Cresol)	ND	9.6	10	03/08/2021 14:28
Naphthalene	ND	0.48	10	03/08/2021 14:28
Nitrobenzene	ND	9.6	10	03/08/2021 14:28
2-Nitrophenol	ND	48	10	03/08/2021 14:28
4-Nitrophenol	ND	48	10	03/08/2021 14:28
N-Nitrosodiphenylamine	ND	9.6	10	03/08/2021 14:28
N-Nitrosodi-n-propylamine	ND	9.6	10	03/08/2021 14:28
Pentachlorophenol	ND	2.4	10	03/08/2021 14:28
Phenanthrene	ND	0.19	10	03/08/2021 14:28
Phenol	16	1.9	10	03/08/2021 14:28
Pyrene	ND	0.096	10	03/08/2021 14:28
1,2,4-Trichlorobenzene	ND	9.6	10	03/08/2021 14:28
N-Nitrosodimethylamine	ND	48	10	03/08/2021 14:28
2,4,6-Trichlorophenol	ND	0.096	10	03/08/2021 14:28

Surrogates	REC (%)	Limits	
2-Fluorophenol	40	20-130	03/08/2021 14:28
Phenol-d5	25	20-130	03/08/2021 14:28
Nitrobenzene-d5	77	30-130	03/08/2021 14:28
2-Fluorobiphenyl	80	40-130	03/08/2021 14:28
2,4,6-Tribromophenol	74	40-130	03/08/2021 14:28
Terphenyl-d14	58	40-130	03/08/2021 14:28

Analyst(s): HD



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/04/2021
Date Analyzed: 03/05/2021
Instrument: GC20
Matrix: Water
Project: Semi-Annual Sampling (March 2021)

WorkOrder: 2103076
BatchID: 216648
Extraction Method: E608.3/SW3620B
Analytical Method: E608.3
Unit: µg/L
Sample ID: MB/LCS/LCSD-216648

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	0.000280	0.00100	-	-	-
a-BHC	ND	0.000310	0.00100	-	-	-
b-BHC	ND	0.000690	0.00100	-	-	-
d-BHC	ND	0.000140	0.00100	-	-	-
g-BHC	ND	0.000450	0.00100	-	-	-
a-Chlordane	ND	0.000850	0.00100	-	-	-
g-Chlordane	ND	0.000150	0.00100	-	-	-
p,p-DDD	ND	0.000110	0.00100	-	-	-
p,p-DDE	ND	0.000180	0.00100	-	-	-
p,p-DDT	0.000497,J	0.000170	0.00100	-	-	-
Dieldrin	ND	0.000140	0.00100	-	-	-
Endosulfan I	ND	0.000110	0.00100	-	-	-
Endosulfan II	ND	0.000460	0.00100	-	-	-
Endosulfan sulfate	ND	0.000330	0.00200	-	-	-
Endrin	ND	0.000180	0.00100	-	-	-
Endrin aldehyde	ND	0.000530	0.00100	-	-	-
Endrin ketone	ND	0.000260	0.00100	-	-	-
Heptachlor	ND	0.000410	0.00100	-	-	-
Heptachlor epoxide	ND	0.000250	0.00100	-	-	-
Methoxychlor	ND	0.000120	0.00100	-	-	-
Toxaphene	ND	0.00200	0.0200	-	-	-
Aroclor1016	ND	0.00190	0.0200	-	-	-
Aroclor1221	ND	0.00240	0.0200	-	-	-
Aroclor1232	ND	0.00380	0.0200	-	-	-
Aroclor1242	ND	0.00280	0.0200	-	-	-
Aroclor1248	ND	0.00180	0.0200	-	-	-
Aroclor1254	ND	0.00150	0.0200	-	-	-
Aroclor1260	ND	0.00280	0.0200	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.0366			0.05	73	60-130

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CA ELAP 1644 • NELAP 4033ORELAP



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/04/2021
Date Analyzed: 03/05/2021
Instrument: GC20
Matrix: Water
Project: Semi-Annual Sampling (March 2021)

WorkOrder: 2103076
BatchID: 216648
Extraction Method: E608.3/SW3620B
Analytical Method: E608.3
Unit: µg/L
Sample ID: MB/LCS/LCSD-216648

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	0.0372	0.0385	0.050	74	77	60-130	3.52	20
a-BHC	0.0516	0.0539	0.050	103	108	70-130	4.38	20
b-BHC	0.0391	0.0408	0.050	78	82	70-130	4.25	20
d-BHC	0.0389	0.0405	0.050	78	81	70-130	4.03	20
g-BHC	0.0357	0.0384	0.050	71	77	60-130	7.29	20
a-Chlordane	0.0361	0.0379	0.050	72	76	60-130	4.76	20
g-Chlordane	0.0347	0.0367	0.050	69,F2	73	70-130	5.61	20
p,p-DDD	0.0395	0.0430	0.050	79	86	70-130	8.50	20
p,p-DDE	0.0355	0.0374	0.050	71	75	70-130	5.15	20
p,p-DDT	0.0387	0.0408	0.050	77	82	70-130	5.36	20
Dieldrin	0.0408	0.0438	0.050	82	88	70-130	7.19	20
Endosulfan I	0.0369	0.0394	0.050	74	79	70-130	6.71	20
Endosulfan II	0.0360	0.0381	0.050	72	76	70-130	5.73	20
Endosulfan sulfate	0.0364	0.0385	0.050	73	77	70-130	5.59	20
Endrin	0.0415	0.0440	0.050	83	88	70-130	6.01	20
Endrin aldehyde	0.0396	0.0421	0.050	79	84	60-130	5.98	20
Endrin ketone	0.0376	0.0403	0.050	75	81	60-130	6.80	20
Heptachlor	0.0467	0.0483	0.050	93	97	70-130	3.45	20
Heptachlor epoxide	0.0349	0.0361	0.050	70	72	70-130	3.25	20
Methoxychlor	0.0444	0.0475	0.050	89	95	70-130	6.70	20
Aroclor1016	0.122	0.126	0.15	82	84	70-130	3.02	20
Aroclor1260	0.109	0.111	0.15	73	74	70-130	1.37	20
Surrogate Recovery								
Decachlorobiphenyl	0.0323	0.0355	0.050	65	71	60-130	9.61	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/03/2021
Date Analyzed: 03/03/2021
Instrument: GC45
Matrix: Water
Project: Semi-Annual Sampling (March 2021)

WorkOrder: 2103076
BatchID: 216568
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-216568
2103076-001BMS/MSD

QC Summary Report for E624.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acrolein (Propenal)	ND	1.50	5.00	-	-	-
Acrylonitrile	ND	0.520	2.00	-	-	-
2-Chloroethyl Vinyl Ether	ND	0.560	1.00	-	-	-
Surrogate Recovery						
Dibromofluoromethane	23.8			25	95	76-110

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acrolein (Propenal)	18.9	19.4	20	95	97	71-140	2.42	20
Acrylonitrile	20.2	20.8	20	101	104	67-145	3.12	20
2-Chloroethyl Vinyl Ether	22.1	20.8	20	111	104	70-124	6.11	20
Surrogate Recovery								
Dibromofluoromethane	23.7	23.6	25	95	94	76-110	0.480	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Acrolein (Propenal)	1	3.38	0.812	20	ND	17,F1	4,F1	24-149	123,F1	20
Acrylonitrile	1	20.0	18.7	20	ND	100	94	50-151	6.47	20
2-Chloroethyl Vinyl Ether	1	26.4	25.8	20	ND	132	129	66-140	2.53	20
Surrogate Recovery										
Dibromofluoromethane	1	24.4	24.3	25		98	97	78-112	0.277	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/03/2021
Date Analyzed: 03/03/2021
Instrument: GC28
Matrix: Water
Project: Semi-Annual Sampling (March 2021)

WorkOrder: 2103076
BatchID: 216576
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-216576
2103076-001AMS/MSD

QC Summary Report for E624.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Benzene	ND	0.0360	0.500	-	-	-
Bromodichloromethane	ND	0.0270	0.500	-	-	-
Bromoform	ND	0.210	0.500	-	-	-
Bromomethane	ND	0.270	0.500	-	-	-
t-Butyl alcohol (TBA)	ND	2.20	5.00	-	-	-
Carbon tetrachloride	ND	0.0470	0.500	-	-	-
Chlorobenzene	ND	0.0870	0.500	-	-	-
Chloroethane	ND	0.160	0.500	-	-	-
Chloroform	ND	0.0850	0.500	-	-	-
Chloromethane	ND	0.0960	0.500	-	-	-
Dibromochloromethane	ND	0.0830	0.500	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0750	0.500	-	-	-
1,2-Dichlorobenzene	ND	0.0700	0.500	-	-	-
1,3-Dichlorobenzene	ND	0.0840	0.500	-	-	-
1,4-Dichlorobenzene	ND	0.0680	0.500	-	-	-
1,1-Dichloroethane	ND	0.0720	0.500	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0180	0.500	-	-	-
1,1-Dichloroethene	ND	0.0150	0.500	-	-	-
trans-1,2-Dichloroethene	ND	0.110	0.500	-	-	-
1,2-Dichloropropane	ND	0.0110	0.500	-	-	-
cis-1,3-Dichloropropene	ND	0.100	0.500	-	-	-
trans-1,3-Dichloropropene	ND	0.130	0.500	-	-	-
Ethylbenzene	ND	0.0810	0.500	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.120	0.500	-	-	-
Methylene chloride	ND	1.00	2.00	-	-	-
Styrene	ND	0.470	2.00	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.0350	0.500	-	-	-
Tetrachloroethene	ND	0.0790	0.500	-	-	-
Toluene	ND	0.190	0.500	-	-	-
1,2,4-Trichlorobenzene	ND	0.200	0.500	-	-	-
1,1,1-Trichloroethane	ND	0.0740	0.500	-	-	-
1,1,2-Trichloroethane	ND	0.150	0.500	-	-	-
Trichloroethene	ND	0.190	0.500	-	-	-
Trichlorofluoromethane	ND	0.0980	0.500	-	-	-
Vinyl chloride	ND	0.0520	0.500	-	-	-
m,p-Xylene	ND	0.150	0.500	-	-	-
o-Xylene	ND	0.0700	0.500	-	-	-

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Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/03/2021
Date Analyzed: 03/03/2021
Instrument: GC28
Matrix: Water
Project: Semi-Annual Sampling (March 2021)

WorkOrder: 2103076
BatchID: 216576
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-216576
2103076-001AMS/MSD

QC Summary Report for E624.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	24.7			25	99	70-130
Toluene-d8	23.1			25	92	70-130
4-BFB	2.30			2.5	92	70-130



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/03/2021
Date Analyzed: 03/03/2021
Instrument: GC28
Matrix: Water
Project: Semi-Annual Sampling (March 2021)

WorkOrder: 2103076
BatchID: 216576
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-216576
2103076-001AMS/MSD

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)	4.09	4.15	4	102	104	60-130	1.39	20
Benzene	3.88	3.83	4	97	96	60-130	1.35	20
Bromodichloromethane	3.82	3.84	4	96	96	60-130	0.360	20
Bromoform	3.97	3.89	4	99	97	50-130	2.07	20
Bromomethane	3.74	3.64	4	93	91	50-130	2.63	20
t-Butyl alcohol (TBA)	16.6	16.3	16	104	102	50-130	2.17	20
Carbon tetrachloride	3.86	3.82	4	97	96	60-130	1.07	20
Chlorobenzene	4.04	3.93	4	101	98	60-130	2.75	20
Chloroethane	3.92	3.71	4	98	93	60-140	5.54	20
Chloroform	3.84	3.81	4	96	95	60-130	0.750	20
Chloromethane	3.31	3.16	4	83	79	50-130	4.47	20
Dibromochloromethane	3.69	3.66	4	92	92	50-130	0.816	20
1,2-Dibromoethane (EDB)	1.94	1.89	2	97	95	60-130	2.56	20
1,2-Dichlorobenzene	4.10	4.01	4	103	100	60-130	2.30	20
1,3-Dichlorobenzene	4.06	3.95	4	102	99	60-130	2.92	20
1,4-Dichlorobenzene	4.06	3.94	4	101	98	60-130	2.91	20
1,1-Dichloroethane	4.01	3.96	4	100	99	50-130	1.13	20
1,2-Dichloroethane (1,2-DCA)	3.86	3.85	4	96	96	60-130	0.351	20
1,1-Dichloroethene	3.94	3.87	4	99	97	60-130	1.89	20
trans-1,2-Dichloroethene	4.01	3.89	4	100	97	60-130	2.99	20
1,2-Dichloropropane	4.00	4.03	4	100	101	60-130	0.706	20
cis-1,3-Dichloropropene	4.00	3.95	4	100	99	60-130	1.26	20
trans-1,3-Dichloropropene	4.08	4.05	4	102	101	60-130	0.752	20
Diisopropyl ether (DIPE)	4.04	4.06	4	101	101	60-130	0.359	20
Ethylbenzene	4.14	4.07	4	104	102	60-130	1.66	20
Ethyl tert-butyl ether (ETBE)	4.07	4.15	4	102	104	60-130	1.98	20
Methyl-t-butyl ether (MTBE)	4.16	4.07	4	104	102	60-130	2.24	20
Methylene chloride	3.85	3.75	4	96	94	50-130	2.62	20
Styrene	3.92	3.85	4	98	96	60-130	1.78	20
1,1,2,2-Tetrachloroethane	3.77	3.68	4	94	92	60-130	2.28	20
Tetrachloroethene	3.82	3.72	4	96	93	60-130	2.67	20
Toluene	3.90	3.79	4	97	95	60-130	2.65	20
1,2,4-Trichlorobenzene	4.34	4.24	4	109	106	60-130	2.23	20
1,1,1-Trichloroethane	4.02	4.02	4	100	100	60-130	0.0491	20
1,1,2-Trichloroethane	4.03	4.00	4	101	100	60-130	0.703	20
Trichloroethene	4.15	4.05	4	104	101	60-130	2.38	20
Trichlorofluoromethane	4.09	4.00	4	102	100	60-130	2.16	20
Vinyl chloride	1.68	1.59	2	84	79	60-130	5.73	20

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Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/03/2021
Date Analyzed: 03/03/2021
Instrument: GC28
Matrix: Water
Project: Semi-Annual Sampling (March 2021)

WorkOrder: 2103076
BatchID: 216576
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-216576
2103076-001AMS/MSD

QC Summary Report for E624.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
m,p-Xylene	8.02	7.83	8	100	98	60-130	2.41	20
o-Xylene	3.96	3.85	4	99	96	60-130	2.68	20

Surrogate Recovery

Dibromofluoromethane	25.0	25.2	25	100	101	70-130	1.01	20
Toluene-d8	23.6	23.5	25	95	94	70-130	0.538	20
4-BFB	2.24	2.28	2.5	90	91	70-130	1.58	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Benzene	1	4.09	3.92	4	ND	102	98	60-140	4.39	20
Bromodichloromethane	1	6.26	6.01	4	2.216	101	95	60-140	4.06	20
Bromoform	1	4.53	4.35	4	0.6065	98	94	50-140	4.03	20
Bromomethane	1	3.99	3.72	4	ND	100	93	40-140	7.01	20
Carbon tetrachloride	1	4.02	3.88	4	ND	100	97	60-140	3.63	20
Chlorobenzene	1	3.79	3.64	4	ND	95	91	60-140	3.95	20
Chloroethane	1	4.13	4.26	4	ND	103	106	60-140	3.04	20
Chloroform	1	4.84	4.71	4	0.9378	98	94	60-140	2.82	20
Chloromethane	1	4.30	4.26	4	ND	108	107	60-140	0.921	20
Dibromochloromethane	1	6.30	6.05	4	2.341	99	93	50-140	3.98	20
1,2-Dichlorobenzene	1	3.78	3.63	4	ND	95	91	60-140	4.03	20
1,3-Dichlorobenzene	1	3.72	3.57	4	ND	93	89	60-140	3.95	20
1,4-Dichlorobenzene	1	3.74	3.55	4	ND	93	89	60-140	5.00	20
1,1-Dichloroethane	1	3.92	3.73	4	ND	98	93	60-140	4.98	20
1,2-Dichloroethane (1,2-DCA)	1	4.12	3.99	4	ND	103	100	60-140	3.23	20
1,1-Dichloroethene	1	4.07	3.94	4	ND	102	99	50-140	3.17	20
trans-1,2-Dichloroethene	1	3.72	3.54	4	ND	93	89	60-140	4.81	20
1,2-Dichloropropane	1	3.96	3.84	4	ND	99	96	60-140	3.25	20
cis-1,3-Dichloropropene	1	3.84	3.70	4	ND	96	92	60-140	3.87	20
trans-1,3-Dichloropropene	1	3.90	3.74	4	ND	98	93	60-140	4.37	20
Ethylbenzene	1	3.87	3.72	4	ND	97	93	60-140	3.77	20
Methylene chloride	1	3.59	3.49	4	ND	90	87	60-140	2.91	20
1,1,2,2-Tetrachloroethane	1	3.93	3.76	4	ND	98	94	60-140	4.52	20
Tetrachloroethene	1	3.67	3.50	4	ND	92	88	60-140	4.56	20
Toluene	1	3.66	3.54	4	ND	92	88	60-140	3.38	20
1,1,1-Trichloroethane	1	3.74	3.65	4	ND	94	91	60-140	2.50	20
1,1,2-Trichloroethane	1	3.89	3.70	4	ND	97	93	60-140	5.00	20

(Cont.)



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/03/2021
Date Analyzed: 03/03/2021
Instrument: GC28
Matrix: Water
Project: Semi-Annual Sampling (March 2021)

WorkOrder: 2103076
BatchID: 216576
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-216576
2103076-001AMS/MSD

QC Summary Report for E624.1

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Trichloroethene	1	3.86	3.74	4	ND	96	94	60-140	3.11	20
Trichlorofluoromethane	1	3.81	3.62	4	ND	95	91	60-140	5.14	20
Vinyl chloride	1	1.44	1.37	2	ND	72	69	60-140	4.62	20
Surrogate Recovery										
Dibromofluoromethane	1	25.7	25.6	25		103	102	70-140	0.666	20
Toluene-d8	1	23.4	23.1	25		94	92	70-140	1.43	20
4-BFB	1	2.26	2.23	2.5		90	89	70-140	1.51	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/02/2021
Date Analyzed: 03/02/2021
Instrument: GC47
Matrix: Water
Project: Semi-Annual Sampling (March 2021)

WorkOrder: 2103076
BatchID: 216474
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-216474

QC Summary Report for E625.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acenaphthene	ND	0.00280	0.00500	-	-	-
Acenaphthylene	ND	0.00170	0.00500	-	-	-
Acetochlor	ND	0.140	1.00	-	-	-
Anthracene	ND	0.00440	0.0100	-	-	-
Benzidine	ND	0.580	5.00	-	-	-
Benzo (a) anthracene	ND	0.0100	0.0500	-	-	-
Benzo (a) pyrene	ND	0.00250	0.00500	-	-	-
Benzo (b) fluoranthene	ND	0.00500	0.0200	-	-	-
Benzo (g,h,i) perylene	ND	0.00830	0.0200	-	-	-
Benzo (k) fluoranthene	ND	0.00520	0.0100	-	-	-
Benzoic Acid	ND	3.00	5.00	-	-	-
Benzyl Alcohol	ND	3.00	5.00	-	-	-
1,1-Biphenyl	ND	0.00990	0.0500	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.180	1.00	-	-	-
Bis (2-chloroethyl) Ether	ND	0.00290	0.00500	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.0160	0.0500	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.110	1.00	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	0.0150	0.200	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.0850	1.00	-	-	-
Butylbenzyl Phthalate	ND	0.00800	0.0500	-	-	-
Carbazole	ND	0.320	1.00	-	-	-
4-Chloro-3-methylphenol	ND	0.150	1.00	-	-	-
4-Chloroaniline	ND	0.00210	0.00500	-	-	-
2-Chloronaphthalene	ND	0.0640	1.00	-	-	-
2-Chlorophenol	ND	0.00770	0.0500	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.110	1.00	-	-	-
Chrysene	ND	0.00880	0.0100	-	-	-
Dibenzo (a,h) anthracene	ND	0.00830	0.0100	-	-	-
Dibenzofuran	ND	0.200	1.00	-	-	-
Di-n-butyl Phthalate	ND	0.0140	0.0500	-	-	-
1,2-Dichlorobenzene	ND	0.150	1.00	-	-	-
1,3-Dichlorobenzene	ND	0.240	1.00	-	-	-
1,4-Dichlorobenzene	ND	0.340	1.00	-	-	-
3,3-Dichlorobenzidine	ND	0.00290	0.0200	-	-	-
2,4-Dichlorophenol	ND	0.00290	0.0100	-	-	-
Diethyl Phthalate	ND	0.00920	0.0500	-	-	-
2,4-Dimethylphenol	ND	0.610	1.00	-	-	-
Dimethyl Phthalate	ND	0.00480	0.0100	-	-	-

(Cont.)



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/02/2021
Date Analyzed: 03/02/2021
Instrument: GC47
Matrix: Water
Project: Semi-Annual Sampling (March 2021)

WorkOrder: 2103076
BatchID: 216474
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-216474

QC Summary Report for E625.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
4,6-Dinitro-2-methylphenol	ND	2.30	5.00	-	-	-
2,4-Dinitrophenol	ND	0.550	2.00	-	-	-
2,4-Dinitrotoluene	ND	0.0120	0.0500	-	-	-
2,6-Dichlorophenol	ND	0.00930	0.0500	-	-	-
2,6-Dinitrotoluene	ND	0.00480	0.0500	-	-	-
Di-n-octyl Phthalate	ND	0.0170	0.0500	-	-	-
1,2-Diphenylhydrazine	ND	0.130	1.00	-	-	-
Fluoranthene	ND	0.00430	0.0100	-	-	-
Fluorene	ND	0.00450	0.0100	-	-	-
Hexachlorobenzene	ND	0.000730	0.00500	-	-	-
Hexachlorobutadiene	ND	0.000910	0.0100	-	-	-
Hexachlorocyclopentadiene	ND	2.30	5.00	-	-	-
Hexachloroethane	ND	0.00720	0.0500	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.00780	0.0200	-	-	-
Isophorone	ND	1.00	2.00	-	-	-
1-Methylnaphthalene	ND	0.00140	0.00500	-	-	-
2-Methylnaphthalene	ND	0.00180	0.0100	-	-	-
2-Methylphenol (o-Cresol)	ND	0.320	1.00	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.420	1.00	-	-	-
Naphthalene	ND	0.00550	0.0500	-	-	-
2-Nitroaniline	ND	0.310	5.00	-	-	-
3-Nitroaniline	ND	2.00	5.00	-	-	-
4-Nitroaniline	ND	1.30	5.00	-	-	-
Nitrobenzene	ND	0.300	1.00	-	-	-
2-Nitrophenol	ND	0.550	5.00	-	-	-
4-Nitrophenol	ND	1.60	5.00	-	-	-
N-Nitrosodimethylamine	ND	0.740	5.00	-	-	-
N-Nitrosodi-n-propylamine	ND	0.320	1.00	-	-	-
N-Nitrosodiphenylamine	ND	0.0900	1.00	-	-	-
n-Octadecane	ND	0.100	1.00	-	-	-
Pentachlorophenol	ND	0.0500	0.250	-	-	-
Phenanthrene	ND	0.00740	0.0200	-	-	-
Phenol	ND	0.0200	0.200	-	-	-
Pyrene	ND	0.00420	0.0100	-	-	-
Pyridine	ND	0.160	1.00	-	-	-
2,3,4,6-Tetrachlorophenol	ND	0.180	1.00	-	-	-
1,2,4-Trichlorobenzene	ND	0.0750	1.00	-	-	-
2,4,5-Trichlorophenol	ND	0.00200	0.0100	-	-	-

(Cont.)



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/02/2021
Date Analyzed: 03/02/2021
Instrument: GC47
Matrix: Water
Project: Semi-Annual Sampling (March 2021)

WorkOrder: 2103076
BatchID: 216474
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-216474

QC Summary Report for E625.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
2,4,6-Trichlorophenol	ND	0.00350	0.0100	-	-	-
Surrogate Recovery						
2-Fluorophenol	4.49			5	90	50-130
Phenol-d5	4.92			5	98	60-130
Nitrobenzene-d5	4.30			5	86	60-130
2-Fluorobiphenyl	4.63			5	93	60-130
2,4,6-Tribromophenol	3.33			5	67	60-130
4-Terphenyl-d14	3.66			5	73	60-130

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/02/2021
Date Analyzed: 03/02/2021
Instrument: GC47
Matrix: Water
Project: Semi-Annual Sampling (March 2021)

WorkOrder: 2103076
BatchID: 216474
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-216474

QC Summary Report for E625.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acenaphthene	0.215	0.230	0.25	86	92	70-130	6.60	25
Acenaphthylene	0.210	0.222	0.25	84	89	60-130	5.49	25
Anthracene	0.211	0.199	0.25	84	80	70-130	5.81	25
Benzidine	17.3	16.3	25	69	65	50-130	5.51	25
Benzo (a) anthracene	0.208	0.199	0.25	83	80	60-130	4.01	25
Benzo (a) pyrene	0.212	0.200	0.25	85	80	70-130	6.20	25
Benzo (b) fluoranthene	0.225	0.202	0.25	90	81	60-130	10.7	25
Benzo (g,h,i) perylene	0.207	0.195	0.25	83	78	70-130	5.85	25
Benzo (k) fluoranthene	0.223	0.220	0.25	89	88	70-130	1.42	25
Benzyl Alcohol	23.8	25.0	25	95	100	70-130	5.14	25
Bis (2-chloroethoxy) Methane	4.43	4.10	5	89	82	70-130	7.76	25
Bis (2-chloroethyl) Ether	0.212	0.220	0.25	85	88	60-130	3.54	25
Bis (2-chloroisopropyl) Ether	0.206	0.192	0.25	82	77	60-130	6.64	25
Bis (2-ethylhexyl) Adipate	3.96	3.71	5	79	74	60-130	6.56	25
Bis (2-ethylhexyl) Phthalate	0.182	0.165	0.25	73	66	60-130	9.77	25
4-Bromophenyl Phenyl Ether	5.76	4.74	5	115	95	70-130	19.4	25
Butylbenzyl Phthalate	0.195	0.180	0.25	78	72	60-130	7.80	25
Carbazole	4.73	4.59	5	95	92	70-130	2.91	25
4-Chloro-3-methylphenol	4.84	4.53	5	97	91	70-130	6.57	25
4-Chloroaniline	0.231	0.218	0.25	92	87	70-130	5.86	25
2-Chloronaphthalene	4.76	4.80	5	95	96	70-130	0.686	25
2-Chlorophenol	0.226	0.215	0.25	90	86	60-130	5.17	25
4-Chlorophenyl Phenyl Ether	4.58	5.65	5	92	113	70-130	20.9	25
Chrysene	0.236	0.223	0.25	94	89	70-130	5.55	25
Dibenzo (a,h) anthracene	0.191	0.187	0.25	76	75	70-130	2.20	25
Dibenzofuran	4.51	4.90	5	90	98	70-130	8.37	25
Di-n-butyl Phthalate	0.190	0.179	0.25	76	72	70-130	6.15	25
1,2-Dichlorobenzene	4.57	4.60	5	91	92	60-130	0.716	25
1,3-Dichlorobenzene	4.22	3.83	5	84	77	60-130	9.67	25
1,4-Dichlorobenzene	4.31	4.13	5	86	83	60-130	4.30	25
3,3-Dichlorobenzidine	0.182	0.172	0.25	73	69,F2	70-130	5.88	25
2,4-Dichlorophenol	0.252	0.239	0.25	101	96	70-130	5.19	25
Diethyl Phthalate	0.224	0.234	0.25	90	94	70-130	4.35	25
2,4-Dimethylphenol	4.61	4.51	5	92	90	70-130	2.08	25
Dimethyl Phthalate	0.209	0.225	0.25	84	90	70-130	7.41	25
4,6-Dinitro-2-methylphenol	20.8	20.2	25	83	81	70-130	2.87	25
2,4-Dinitrophenol	3.88	4.26	5	78	85	60-130	9.25	25
2,4-Dinitrotoluene	0.230	0.252	0.25	92	101	70-130	9.11	25

(Cont.)



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/02/2021
Date Analyzed: 03/02/2021
Instrument: GC47
Matrix: Water
Project: Semi-Annual Sampling (March 2021)

WorkOrder: 2103076
BatchID: 216474
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-216474

QC Summary Report for E625.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
2,6-Dichlorophenol	0.233	0.217	0.25	93	87	70-130	6.86	25
2,6-Dinitrotoluene	0.222	0.235	0.25	89	94	70-130	5.48	25
Di-n-octyl Phthalate	0.191	0.173	0.25	76	69,F2	70-130	9.66	25
1,2-Diphenylhydrazine	4.25	4.02	5	85	80	70-130	5.55	25
Fluoranthene	0.211	0.203	0.25	84	81	70-130	3.88	25
Fluorene	0.225	0.240	0.25	90	96	70-130	6.41	25
Hexachlorobenzene	0.212	0.199	0.25	85	80	60-130	6.02	25
Hexachlorobutadiene	0.218	0.199	0.25	87	80	60-130	8.79	25
Hexachlorocyclopentadiene	20.5	21.3	25	82	85	60-130	4.05	25
Hexachloroethane	0.211	0.199	0.25	84	80	60-130	5.70	25
Indeno (1,2,3-cd) pyrene	0.198	0.188	0.25	79	75	70-130	5.26	25
Isophorone	4.27	4.05	5	85	81	70-130	5.21	25
1-Methylnaphthalene	0.224	0.214	0.25	90	86	70-130	4.73	25
2-Methylnaphthalene	0.228	0.227	0.25	91	91	60-130	0.563	25
2-Methylphenol (o-Cresol)	4.97	4.70	5	99	94	70-130	5.45	25
3 & 4-Methylphenol (m,p-Cresol)	5.10	4.96	5	102	99	70-130	2.85	25
Naphthalene	0.219	0.204	0.25	88	82	50-130	7.24	25
2-Nitroaniline	22.5	24.7	25	90	99	70-130	9.60	25
3-Nitroaniline	21.3	22.6	25	85	91	70-130	6.25	25
4-Nitroaniline	25.1	27.8	25	100	111	70-130	10.1	25
Nitrobenzene	4.46	4.22	5	89	84	70-130	5.43	25
2-Nitrophenol	23.3	21.1	25	93	84	70-130	9.76	25
4-Nitrophenol	21.2	23.3	25	85	93	50-130	9.31	25
N-Nitrosodimethylamine	20.6	19.7	25	83	79	60-130	4.80	25
N-Nitrosodi-n-propylamine	3.89	3.79	5	78	76	60-130	2.66	25
N-Nitrosodiphenylamine	4.61	4.43	5	92	89	70-130	3.99	25
n-Octadecane	3.90	3.81	5	78	76	70-130	2.33	25
Pentachlorophenol	1.14	1.08	1.25	91	86	60-130	5.56	25
Phenanthrene	0.211	0.201	0.25	84	81	70-130	4.66	25
Phenol	0.940	0.897	1	94	90	60-130	4.76	25
Pyrene	0.224	0.213	0.25	90	85	70-130	5.30	25
Pyridine	4.12	3.78	5	82	76	50-130	8.59	25
1,2,4-Trichlorobenzene	4.59	4.22	5	92	84	70-130	8.57	25
2,4,5-Trichlorophenol	0.230	0.238	0.25	92	95	70-130	3.43	25
2,4,6-Trichlorophenol	0.222	0.241	0.25	89	96	70-130	8.07	25

(Cont.)



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/02/2021
Date Analyzed: 03/02/2021
Instrument: GC47
Matrix: Water
Project: Semi-Annual Sampling (March 2021)

WorkOrder: 2103076
BatchID: 216474
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-216474

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	4.57	4.39	5	91	88	50-130	4.04	25
Phenol-d5	5.06	4.93	5	101	99	60-130	2.58	25
Nitrobenzene-d5	4.88	4.62	5	98	92	60-130	5.56	25
2-Fluorobiphenyl	4.98	5.37	5	100	107	60-130	7.54	25
2,4,6-Tribromophenol	4.53	4.44	5	91	89	60-130	2.08	25
4-Terphenyl-d14	4.24	3.89	5	85	78	60-130	8.71	25

McC Campbell Analytical, Inc.



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Pittsburg, CA 94565-1701
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☐ WaterTrax

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☐ EDF

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2103076

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:
PO:
Project: Semi-Annual Sampling (March 2021)

Bill to:

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

Requested TAT: 5 days;

Date Received: 03/02/2021

Date Logged: 03/02/2021

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2103076-001	E-001	Water	3/2/2021 10:35	<input type="checkbox"/>	D	A	B	C	A							

Test Legend:

1	608_W [J]
5	PRDisposal Fee
9	

2	624_W
6	
10	

3	624ACR+2CEVE_W
7	
11	

4	625_SCSM_W
8	
12	

Project Manager: Angela Rydelius

Prepared by: Lilly Ortiz

Comments:

NOTE: Soil samples are discarded 60 days after results are reported 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: Semi-Annual Sampling (March 2021)

Work Order: 2103076

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments

Date Logged: 3/2/2021

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LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
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, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, cis-1,3-Dichloropropene, Dichlorodifluoromethane, Ethylbenzene, Methylene chloride, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene, Trichlorofluoromethane, Vinyl chloride, Xylenes, Total>	2	VOA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	3/2/2021 10:35	5 days	3/9/2021	Present	<input type="checkbox"/>	
001B	E-001	Water	E624.1 (ACRO, ACRY, & 2-CEVE) <Acrolein (Propenal), Acrylonitrile>	2	VOA, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	3/2/2021 10:35	5 days	3/9/2021	Present	<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 exclude any material from the sample prior to sample preparation unless requested in writing by the client.



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WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Semi-Annual Sampling (March 2021)

Work Order: 2103076

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments

Date Logged: 3/2/2021

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
001C	E-001	Water	E625.1 (SVOCs) <1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 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-Methylphenol (o-Cresol), 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 Phthalate, Di-n-butyl Phthalate, Di-n-octyl Phthalate, Fluoranthene, Fluorene,	1	1LA Narrow Mouth, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	3/2/2021 10:35	5 days	3/9/2021	Present	<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 exclude any material from the sample prior to sample preparation unless requested in writing by the client.



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: Semi-Annual Sampling (March 2021)

Work Order: 2103076

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments

Date Logged: 3/2/2021

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
			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>										
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_2, p,p-DDE_2, p,p-DDT_2, PCBs, total_1, Toxaphene_1>	1	1LA Narrow Mouth, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	3/2/2021 10:35	5 days	3/9/2021	Present	<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 exclude any material from the sample prior to sample preparation unless requested in writing by the client.



TURN AROUND TIME

RUSH 24 HR 48 HR 72 HR 5 DAY

GeoTracker EDF ☐

PDF

Excel[®]

Write

72 HR 5 DAY

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, tlWY@pge.com

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

Fax: ()

Project Name: Semi-Annual Sampling (March 2021)

Project Location: Combined Site Flow

Sampler Signature: Muskan Environmental Sampling

Relinquished By:

Date:

Time:

Received By:

ICE/t³ 7.0 watt

COMMENTS:

Relinquished By:

Date: _____

Time:

Received By:

DECHLORINATED I

APPROPRIATE CONTAINERS

PRESERVED IN LAB _____

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

Relinquished By:

Date: _____

Time:

Received By:

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

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

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-Dichloropropane
trans-1, 3-Dichloropropane
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

JS 3/2/21
12:45
Lilly Out
3/2/21/295



Sample Receipt Checklist

Client Name: **PG&E Gateway Generating Station**
Project: **Semi-Annual Sampling (March 2021)**

Date and Time Received: **3/2/2021 12:45**

Date Logged: **3/2/2021**

Received by: **Lilly Ortiz**

Logged by: **Lilly Ortiz**

WorkOrder No: **2103076** 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"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

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

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 2°C		NA <input type="checkbox"/>
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO 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 (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments:

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



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2103072

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 2021)

Project Received: 03/02/2021

Analytical Report reviewed & approved for release on 03/19/2021 by:

Christine Askari
Project Manager

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





Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station
Project: Quarterly Sampling (March 2021)
WorkOrder: 2103072

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
N/A	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: Quarterly Sampling (March 2021)

WorkOrder: 2103072

Quality Control Qualifiers

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

F6 LCS/LCSD recovery is above the acceptance limits; therefore, the result is reported as an estimate.



Case Narrative

Client: PG&E Gateway Generating Station
Project: Quarterly Sampling (March 2021)

Work Order: 2103072
March 09, 2021

EPA method 200.8: Metals

Our standard ICP-MS analytical procedure is to analyze selenium using a Hydrogen reaction and/or Helium collision mode.



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/02/2021 12:45
Date Prepared: 03/08/2021
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
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	2103072-001A	Water	03/01/2021 09:47	O&G	216939

Analytes	Result	RL	DF	Date Analyzed
SGT-HEM	ND	5.0	1	03/09/2021 12:05

Analyst(s): HN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2103072-001B	Water	03/02/2021 10:35	O&G	216939

Analytes	Result	RL	DF	Date Analyzed
SGT-HEM	ND	5.0	1	03/09/2021 12:10

Analyst(s): HN



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/02/2021 12:45
Date Prepared: 03/05/2021
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
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	2103072-001A	Water	03/01/2021 09:47	O&G	216852

Analytes	Result	RL	DF	Date Analyzed
HEM	ND	5.1	1	03/08/2021 14:35

Analyst(s): HN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2103072-001B	Water	03/02/2021 10:35	O&G	216852

Analytes	Result	RL	DF	Date Analyzed
HEM	ND	5.0	1	03/08/2021 14:40

Analyst(s): HN



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/02/2021 12:45
Date Prepared: 03/05/2021
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
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	2103072-001C	Water	03/02/2021 10:35	WC_SKALAR 03052021O1_76	216796

Analytes	Result	RL	DE	Date Analyzed
Ammonia, total as N	46	10	100	03/05/2021 16:11

Analyst(s): JN



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/02/2021 12:45
Date Prepared: 03/03/2021
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
Extraction Method: SM5210B
Analytical Method: SM5210 B-2001
Unit: mg/L

Biochemical Oxygen Demand (BOD)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2103072-001E	Water	03/02/2021 10:30	WetChem	216621

Analytes	Result	RL	DE	Date Analyzed
BOD	26	20	5	03/08/2021 18:52

Analyst(s): HAD



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/02/2021 12:45
Date Prepared: 03/05/2021
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
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	2103072-001D	Water	03/02/2021 10:35	WC_SKALAR 03052021P1_28	216762

Analytes	Result	RL	DE	Date Analyzed
Total Cyanide	2.9	1.0	1	03/05/2021 14:21

Analyst(s): JN



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/02/2021 12:45
Date Prepared: 03/05/2021
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
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	2103072-001F	Water	03/02/2021 10:30	SPECTROPHOTOMETER	216781

Analytes	Result	RL	DE	Date Analyzed
COD	24	10	1	03/05/2021 17:07

Analyst(s): PHU



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/02/2021 12:45
Date Prepared: 03/02/2021
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
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	2103072-0011	Water	03/02/2021 10:30	AA1 _31	216442

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Mercury	ND	0.20	1	03/08/2021 17:06

Analyst(s): MIG



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/02/2021 12:45
Date Prepared: 03/02/2021
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Metals

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
E-001	2103072-001J	Water	03/02/2021 10:30		ICP-MS5 269SMPL.d	216490
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Date Analyzed</u>
Arsenic	0.84		0.50	1		03/03/2021 18:09
Cadmium	1.6		0.50	1		03/03/2021 18:09
Chromium	ND		0.50	1		03/03/2021 18:09
Copper	3.9		0.50	1		03/03/2021 18:09
Iron	ND		100	1		03/03/2021 18:09
Lead	ND		0.50	1		03/03/2021 18:09
Molybdenum	35		0.50	1		03/03/2021 18:09
Nickel	2.0		0.50	1		03/03/2021 18:09
Selenium	ND		0.50	1		03/03/2021 18:09
Silver	ND		0.50	1		03/03/2021 18:09
Zinc	32		20	1		03/03/2021 18:09
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>			
Terbium	106		70-130			03/03/2021 18:09
<u>Analyst(s):</u> WV						



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/02/2021 12:45
Date Prepared: 03/19/2021
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
Extraction Method: E420.4
Analytical Method: E420.4
Unit: µg/L

Phenolics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2103072-001C	Water	03/02/2021 10:35	WC_SKALAR 03192021D1_16	217750

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Phenolics	36	2.0	1	03/19/2021 16:23

Analyst(s): JN



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/02/2021 12:45
Date Prepared: 03/04/2021
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
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	2103072-001G	Water	03/02/2021 10:30	WetChem	216725

Analytes	Result	RL	DE	Date Analyzed
Total Dissolved Solids	610	10.0	1	03/05/2021 11:30

Analyst(s): PHU



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/02/2021 12:45
Date Prepared: 03/03/2021
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
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	2103072-001H	Water	03/02/2021 10:30	WetChem	216552

Analytes	Result	RL	DE	Date Analyzed
Total Suspended Solids	ND	1.00	1	03/03/2021 16:41

Analyst(s): PHU



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/09/2021
Date Analyzed: 03/09/2021
Instrument: O&G
Matrix: Water
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
BatchID: 216939
Extraction Method: E1664A_SG
Analytical Method: E1664A
Unit: mg/L
Sample ID: MB/LCS/LCSD-216939

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL			
SGT-HEM	ND	0.720	5.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
SGT-HEM	8.69	8.81	10.42	83	85	64-132	1.27	30



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/08/2021
Date Analyzed: 03/08/2021
Instrument: O&G
Matrix: Water
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
BatchID: 216852
Extraction Method: E1664A
Analytical Method: E1664A
Unit: mg/L
Sample ID: MB/LCS/LCSD-216852

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL			
HEM	ND	1.30	5.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
HEM	18.5	17.6	20.83	89	84	78-114	4.86	30



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/05/2021
Date Analyzed: 03/05/2021
Instrument: WC_SKALAR
Matrix: Water
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
BatchID: 216796
Extraction Method: SM4500-NH3 BG
Analytical Method: SM4500-NH3 BG
Unit: mg/L
Sample ID: MB/LCS/LCSD-216796

QC Summary Report for SM4500-NH3

Analyte	MB Result	MDL	RL			
Ammonia, total as N	ND	0.0920	0.100	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Ammonia, total as N	4.04	5.12	4	101	128,F6	88-113	23.5,F2	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/03/2021
Date Analyzed: 03/08/2021
Instrument: WetChem
Matrix: Water
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
BatchID: 216621
Extraction Method: SM5210B
Analytical Method: SM5210 B-2001
Unit: mg/L
Sample ID: MB/LCS/LCSD-216621

QC Summary Report for BOD

Analyte	MB Result	MDL	RL			
BOD	ND	4.00	4.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
BOD	198	228	198	100	115	80-120	14.1	16



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/05/2021
Date Analyzed: 03/05/2021
Instrument: WC_SKALAR
Matrix: Water
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
BatchID: 216762
Extraction Method: SM4500-CN⁻ E
Analytical Method: SM4500-CN⁻ CE
Unit: µg/L
Sample ID: MB/LCS/LCSD-216762

QC Summary Report for SM4500-CN⁻ CE

Analyte	MB Result	MDL	RL			
Total Cyanide	ND	0.770	1.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Cyanide	39.0	41.2	40	98	103	80-120	5.30	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/05/2021
Date Analyzed: 03/05/2021
Instrument: SPECTROPHOTOMETER
Matrix: Water
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
BatchID: 216781
Extraction Method: SM5220 D-1997
Analytical Method: SM5220 D-1997
Unit: mg/L
Sample ID: MB/LCS/LCSD-216781
2103072-001FMS/MSD

QC Summary Report for COD

Analyte	MB Result	MDL	RL			
COD	ND	7.20	10.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
COD	105	105	100	105	105	90-110	0	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
COD	1	125	125	100	24.00	101	101	80-120	0	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/02/2021
Date Analyzed: 03/08/2021
Instrument: AA1
Matrix: Water
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
BatchID: 216442
Extraction Method: E245.2
Analytical Method: E245.2
Unit: µg/L
Sample ID: MB/LCS/LCSD-216442
2103072-001IMS/MSD

QC Summary Report for Mercury

Analyte	MB Result	MDL	RL			
Mercury	ND	0.130	0.200	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Mercury	1.91	1.82	2	95	91	85-115	4.86	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Mercury	1	1.91	1.82	2	ND	95	91	80-120	4.64	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/02/2021
Date Analyzed: 03/03/2021
Instrument: ICP-MS4
Matrix: Water
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
BatchID: 216490
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L
Sample ID: MB/LCS/LCSD-216490

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.100	0.500	-	-	-
Cadmium	ND	0.240	0.500	-	-	-
Chromium	ND	0.350	0.500	-	-	-
Copper	ND	0.360	0.500	-	-	-
Iron	ND	37.0	100	-	-	-
Lead	ND	0.270	0.500	-	-	-
Molybdenum	ND	0.180	0.500	-	-	-
Nickel	ND	0.270	0.500	-	-	-
Selenium	ND	0.170	0.500	-	-	-
Silver	ND	0.260	0.500	-	-	-
Zinc	ND	14.0	20.0	-	-	-

Surrogate Recovery

Terbium	531	500	106	70-130
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Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	53.8	53.3	50	108	107	85-115	1.04	20
Cadmium	51.7	51.4	50	103	103	85-115	0.448	20
Chromium	51.4	50.9	50	103	102	85-115	0.860	20
Copper	53.6	51.7	50	107	103	85-115	3.59	20
Iron	5120	5110	5000	102	102	85-115	0.273	20
Lead	50.4	50.0	50	101	100	85-115	0.715	20
Molybdenum	49.7	50.4	50	99	101	85-115	1.47	20
Nickel	53.4	52.7	50	107	105	85-115	1.40	20
Selenium	53.5	53.9	50	107	108	85-115	0.676	20
Silver	49.2	48.5	50	98	97	85-115	1.35	20
Zinc	533	529	500	107	106	85-115	0.619	20

Surrogate Recovery

Terbium	528	518	500	106	104	70-130	1.77	20
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Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/19/2021
Date Analyzed: 03/19/2021
Instrument: WC_SKALAR
Matrix: Water
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
BatchID: 217750
Extraction Method: E420.4
Analytical Method: E420.4
Unit: µg/L
Sample ID: MB/LCS/LCSD-217750

QC Summary Report for E420.4

Analyte	MB Result	MDL	RL			
Phenolics	ND	1.30	2.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Phenolics	39.0	39.1	40	97	98	80-120	0.229	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/04/2021
Date Analyzed: 03/05/2021
Instrument: WetChem
Matrix: Water
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
BatchID: 216725
Extraction Method: SM2540 C-1997
Analytical Method: SM2540 C-1997
Unit: mg/L
Sample ID: MB/LCS/LCSD-216725

QC Summary Report for Total Dissolved Solids

Analyte	MB Result	MDL	RL			
Total Dissolved Solids	ND	10.0	10.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Dissolved Solids	994	1060	1000	99	106	80-120	6.24	10



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 03/03/2021
Date Analyzed: 03/03/2021
Instrument: WetChem
Matrix: Water
Project: Quarterly Sampling (March 2021)

WorkOrder: 2103072
BatchID: 216552
Extraction Method: SM2540 D-1997
Analytical Method: SM2540 D-1997
Unit: mg/L
Sample ID: MB/LCS/LCSD-216552

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	100	100	95	100	80-120	5.13	10



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

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2103072

ClientCode: PGEA

☐ WaterTrax☐ WriteOn☐ 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@
PO:
Project: Quarterly Sampling (March 2021)

Bill to:

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

Requested TATs: 5 days;
7 days;

Date Received: 03/02/2021

Date Logged: 03/02/2021

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2103072-001	E-001	Water	3/1/2021 09:47	<input type="checkbox"/>		A								A		
2103072-001	E-001	Water	3/2/2021 10:30	<input type="checkbox"/>				E		F	I	J			G	H
2103072-001	E-001	Water	3/2/2021 10:35	<input type="checkbox"/>	B		C		D				C			

Test Legend:

1	1664A_SG_W
5	CN_SM4500CE_W
9	PHENOLICS_W

2	1664A_W
6	COD_W
10	PRDisposal Fee

3	AMMONIA_W
7	HG_W
11	TDS_W

4	BOD_W
8	METALSMS_TTLC_W
12	TSS_W

Project Manager: Angela Rydelius

Prepared by: Valerie Alfaro

Comments:

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



McC Campbell Analytical, Inc.

"When Quality Counts"

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

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Quarterly Sampling (March 2021)

Work Order: 2103072

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 3/2/2021

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
001A	E-001	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	2	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	3/1/2021 9:47	5 days	3/9/2021	None	<input type="checkbox"/>	
001B	E-001	Water	E1664A (SGT- HEM; Non-polar Material)	2	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	3/2/2021 10:35	5 days	3/9/2021	None	<input type="checkbox"/>	
001C	E-001	Water	E420.4 (Phenolics)	1	250mL aG w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	3/2/2021 10:35	5 days	3/9/2021	None	<input type="checkbox"/>	
			E350.1 (Ammonia)			<input type="checkbox"/>	<input type="checkbox"/>		5 days	3/9/2021	None	<input type="checkbox"/>	
001D	E-001	Water	SM4500-CN ⁻ CE (Cyanide, Total)	1	250mL aHDPE w/ NaOH	<input type="checkbox"/>	<input type="checkbox"/>	3/2/2021 10:35	5 days	3/9/2021	None	<input type="checkbox"/>	
001E	E-001	Water	SM5210B (BOD)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	3/2/2021 10:30	7 days	3/11/2021	None	<input type="checkbox"/>	
001F	E-001	Water	SM5220D (COD)	2	aVOA w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	3/2/2021 10:30	5 days	3/9/2021	None	<input type="checkbox"/>	
001G	E-001	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	3/2/2021 10:30	5 days	3/9/2021	None	<input type="checkbox"/>	
001H	E-001	Water	SM2540D (TSS)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	3/2/2021 10:30	5 days	3/9/2021	None	<input type="checkbox"/>	
001I	E-001	Water	E245.2 (Mercury)	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	3/2/2021 10:30	5 days	3/9/2021	None	<input type="checkbox"/>	
001J	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"/>	3/2/2021 10:30	5 days	3/9/2021	None	<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 exclude any material from the sample prior to sample preparation unless requested in writing by the client.

2103072



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: abc4@pge.com, AIHE@pge.com, JSLd@pge.com, tlWY@pge.com

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

Project Name: Quarterly Sampling (March 2021)

Project Location: Combined Site Flow

Sampler Signature: Muskan Environmental Sampling *[Signature]*

Cyanide (Pretreated with sodium thiosulfate before preserving) by SM 4500 CN-ABCE	Metals (Arsenic and selenium) by 200.8 Selenium by reaction mode	Oil/Grease (USEPA 1664A) with and with out silica gel clean up	Total Phenolics (USEPA 420.4)	Ammonia as N (SM 4500-NH3-G)	Mercury (245.2)	Metals (200.8 cadmium, chromium, copper, lead, nickel, silver, Molybdenum, iron, and zinc)	BOD (SM 5210B)	COD (SM 5220D)	TDS (SM 2540C)	TSS (SM 2540D)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

Relinquished By: *[Signature]* Date: 3/2/21 Time: 12:45 Received By: *[Signature]* 1245
 Relinquished By: *[Signature]* Date: *[Signature]* Time: *[Signature]* Received By: *[Signature]*
 Relinquished By: *[Signature]* Date: *[Signature]* Time: *[Signature]* Received By: *[Signature]*

ICE/ 20 met COMMENTS:
 GOOD CONDITION
 HEAD SPACE ABSENT
 DECHLORINATED IN LAB
 APPROPRIATE CONTAINERS
 PRESERVED IN LAB
 VOAS O&G METALS OTHER
 PRESERVATION pH<2



Sample Receipt Checklist

Client Name: **PG&E Gateway Generating Station**
Project: **Quarterly Sampling (March 2021)**

Date and Time Received: **3/2/2021 12:45**

Date Logged: **3/2/2021**

Received by: **Lilly Ortiz**

Logged by: **Valerie Alfaro**

WorkOrder No: **2103072** 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"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

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

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 2°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 (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments:

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



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2103074

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 2021)

Project Received: 03/02/2021

Analytical Report reviewed & approved for release on 03/08/2021 by:

Christine Askari
Project Manager

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





Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station
Project: pH Sampling (March 2021)
WorkOrder: 2103074

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
N/A	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)



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 03/02/2021 12:45
Date Prepared: 03/01/2021
Project: pH Sampling (March 2021)

WorkOrder: 2103074
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	2103074-001A	Water	03/01/2021 09:49	WetChem	216874

Analytes	Result	Accuracy	DF	Date Analyzed
pH	7.91	±0.05	1	03/01/2021 09:50

Analyst(s): HAD

McC Campbell Analytical, Inc.



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

☐ WaterTrax ☐ WriteOn ☐ EDF

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2103074

ClientCode: PGEA

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

Report to:

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

Email: sanjivgill@comcast.net
cc/3rd Party:
PO:
Project: Ph Sampling (March 2021)

Bill to:

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

Requested TAT: 5 days;

Date Received: 03/02/2021

Date Logged: 03/02/2021

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2103074-001	E-001	Water	3/1/2021 09:49	<input type="checkbox"/>	A	A										

Test Legend:

1	PH_W_SANJIV
5	
9	

2	PRDisposal Fee
6	
10	

3	
7	
11	

4	
8	
12	

Project Manager: Angela Rydelius

Prepared by: Lilly Ortiz

Comments:

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



McC Campbell Analytical, Inc.

"When Quality Counts"

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

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Ph Sampling (March 2021)

Work Order: 2103074

Client Contact: Sanjiv Gill

QC Level: LEVEL 2

Contact's Email: sanjivgill@comcast.net

Comments

Date Logged: 3/2/2021

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
001A	E-001	Water	SM4500H+B (Field pH)	1	125mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	3/1/2021 9:49	5 days	3/9/2021		<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 exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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: Sanliv 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 (March 2021)

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

Sampler Signature: Muskan Environmental Sampling

Analysis Request

Remarks

[illegible]

Logbook for Field pH Samples

[illegible]



Sample Receipt Checklist

Client Name: **PG&E Gateway Generating Station**
Project: **Ph Sampling (March 2021)**

Date and Time Received: **3/2/2021 12:45**

Date Logged: **3/2/2021**

Received by: **Lilly Ortiz**

Logged by: **Lilly Ortiz**

WorkOrder No: **2103074** 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"/>
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°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 (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments: Method SM4500H+B (Field pH) was received past its 0.25-day holding time.



**Pacific Gas and
Electric Company®**

*File again
Trevor Sigson
7-17-21*

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

July 6, 2021

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

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

Subject: Quarterly Self-Monitoring Report
(For Period Ending June 30, 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 June 30, 2021, 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, Copy of Laboratory Results, and Annual Flowmeters Calibration.

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®**

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

July 6, 2021

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

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

Subject: Quarterly Self-Monitoring Report
(For Period Ending June 30, 2021)

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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, Copy of Laboratory Results, and Annual Flowmeters Calibration.

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, 2021

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, 2021

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 6, 2021

Print Name: Tim Wisdom

Attachment 2
Industrial User Compliance Report

Industrial User Compliance Report Form

Attn: Jason Yun

Fax # (925)756-1961

From: Tim Wisdom

Company: Pacific Gas and Electric Company – Gateway Generating Station

Period Covered: Period ending June 30, 2021

Pretreatment

Phone: (925)756-1929

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

Self-monitoring reports

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

Violations (if applicable)

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

Additional Notes:

None

Significant changes

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

Attachment 3
Industrial Monitoring Report Summary

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

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

ID #: 0208841-C
 TYPE: Power Generation Plant

SIC: 4911

DATE	6/9/2021	6/10/2021	6/10/2021					
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.		7.75					
BOD				22.0				
COD				24.0				
TDS				648.0				
TSS				47				
Arsenic	0.15			0.00120				
Cadmium	0.1			ND(<0.0005)				
Chromium	0.5			0.00150				
Copper	0.5			0.0390				
Iron				1.7				
Lead	0.5			ND(<0.0005)				
Mercury	0.003			ND(<0.0002)				
Molybdenum				0.084				
Nickel	0.5			0.0043				
Selenium	0.25			ND(<0.0005)				
Silver	0.2			ND(<0.0005)				
Zinc	1.00			0.140				
Cyanide	0.2		0.0046					
Phenol	1.00		0.020					
Ammonia	200		13					
O&G Petro/Min (E1664A w/ Silica)	100	ND(<5.0)	ND(<5.0)					
O&G Animal/Vegetable Oil	300	25	ND(<5.0)					
TTO EPA 608								
TTO EPA 624								
TTO EPA 625								
TTO	2.00							
Sulfide								
Sulfate								

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

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

Attachment 4
Discharge Flow Data

PG&E Gateway Generating Station

Discharge Flow Data

April 2021-June 2021

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)	
4/1/2021	34.6	0.0	NO	46,074	20.9	0	NO	376	46,450
4/2/2021	34.7	0.0	NO	45,575	0.0	0	NO		45,575
4/3/2021	34.8	0.0	NO	49,003	0.0	0	NO		49,003
4/4/2021	35.1	0.0	NO	46,614	0.0	0	NO		46,614
4/5/2021	35.3	0.0	NO	35,316	20.7	0	NO	373	35,689
4/6/2021	35.0	0.0	NO	34,245	0.1	0	NO		34,245
4/7/2021	35.3	0.0	NO	26,882	20.9	0	NO	372	27,254
4/8/2021	35.3	1.0	NO	23,655	0.0	2	NO	1	23,657
4/9/2021	35.0	0.0	NO	31,068	0.0	0	NO		31,068
4/10/2021	35.1	0.0	NO	31,109	21.4	0	NO		31,109
4/11/2021	35.2	0.0	NO	21,427	0.0	0	NO		21,427
4/12/2021	35.0	0.0	NO	41,830	0.0	0	NO		41,830
4/13/2021	35.1	0.0	NO	35,464	20.7	0	NO	379	35,842
4/14/2021	35.4	0.0	NO	23,401	0.0	0	NO	1	23,402
4/15/2021	35.1	0.0	NO	25,911	0.0	0	NO		25,911
4/16/2021	34.5	0.0	NO	43,074	21.3	0	NO	372	43,446
4/17/2021	35.1	0.0	NO	33,906	0.0	0	NO		33,906
4/18/2021	35.3	0.0	NO	45,730	0.0	0	NO		45,730
4/19/2021	35.2	0.0	NO	44,702	21.3	0	NO	368	45,070
4/20/2021	34.6	0.0	NO	37,126	0.1	0	NO		37,126
4/21/2021	35.5	0.0	NO	32,617	20.7	0	NO	352	32,969
4/22/2021	34.8	0.0	NO	29,333	0.1	0	NO		29,333
4/23/2021	35.1	0.0	NO	23,829	0.0	0	NO		23,829
4/24/2021	35.0	0.0	NO	30,645	20.5	0	NO	370	31,015
4/25/2021	34.5	0.0	NO	48,445	0.0	0	NO		48,445
4/26/2021	34.6	0.0	NO	28,391	0.0	0	NO		28,391
4/27/2021	35.2	0.0	NO	38,941	20.6	0	NO	379	39,320
4/28/2021	35.1	0.0	NO	48,468	0.0	0	NO		48,468
4/29/2021	34.9	0.0	NO	28,337	21.5	0	NO	357	28,694
4/30/2021	35.5	0.0	NO	15,198	0.1	0	NO	3	15,201

Max Daily Flow (Limit: 51,120):

49,003

Monthly Total:

1,050,020

5/1/2021	35.4	0.0	NO	46,781	0.0	0	NO		46,781
5/2/2021	34.6	0.0	NO	48,578	20.9	0	NO	414	48,992
5/3/2021	34.6	0.0	NO	46,103	0.1	0	NO	3	46,106
5/4/2021	40.7	3.0	NO	23,177	21.2	0	NO	367	23,544
5/5/2021	35.0	0.0	NO	18,851	0.1	0	NO		18,851
5/6/2021	0.1	0.0	NO		21.4	0	NO	369	369
5/7/2021	-0.3	0.0	NO		0.1	0	NO	4	4
5/8/2021	-0.4	1.0	NO		21.9	2	NO	399	399
5/9/2021	-0.3	0.0	NO		0.0	0	NO		-
5/10/2021	-0.3	0.0	NO		0.0	0	NO		-
5/11/2021	-0.4	0.0	NO		21.5	0	NO	371	371
5/12/2021	-0.4	0.0	NO		0.0	0	NO	0	0
5/13/2021	-0.5	0.0	NO		21.3	0	NO	386	386
5/14/2021	-0.4	0.0	NO		21.4	0	NO	378	378
5/15/2021	-0.4	0.0	NO		0.1	0	NO	4	4
5/16/2021	-0.4	0.0	NO		0.0	0	NO		-
5/17/2021	-0.4	0.0	NO		21.8	0	NO	375	375
5/18/2021	-0.4	2.0	NO		0.1	3	NO	1	1
5/19/2021	-0.5	0.0	NO		21.9	0	NO	430	430
5/20/2021	-0.4	0.0	NO		21.9	0	NO	376	376

PG&E Gateway Generating Station

Discharge Flow Data

April 2021-June 2021

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)	
5/21/2021	-0.5	0.0	NO		0.1	0	NO		-
5/22/2021	-0.4	0.0	NO		0.1	0	NO		-
5/23/2021	0.1	3.0	NO		21.9	3	NO	385	385
5/24/2021	34.9	0.0	NO	6,918	0.0	0	NO		6,918
5/25/2021	0.1	0.0	NO		21.8	0	NO	369	369
5/26/2021	-0.3	0.0	NO		22.3	0	NO	357	357
5/27/2021	34.3	0.0	NO	13,033	0.0	0	NO		13,033
5/28/2021	35.2	0.0	NO	7,235	22.1	0	NO	431	7,667
5/29/2021	35.1	0.0	NO	23,965	0.1	0	NO		23,965
5/30/2021	34.5	0.0	NO	49,002	0.0	0	NO		49,002
5/31/2021	34.7	0.0	NO	48,648	21.8	0	NO	340	48,988

Max Daily Flow (Limit: 51,120): 49,002

Monthly Total: 338,050

6/1/2021	34.8	0.0	NO	48,991	0.1	0	NO		48,991
6/2/2021	34.7	0.0	NO	48,620	21.9	0	NO	376	48,996
6/3/2021	34.6	0.0	NO	49,007	0.0	0	NO		49,007
6/4/2021	34.6	0.0	NO	48,485	21.6	0	NO	384	48,869
6/5/2021	34.8	0.0	NO	36,181	0.0	0	NO		36,181
6/6/2021	34.9	0.0	NO	49,006	0.0	0	NO		49,006
6/7/2021	35.1	0.0	NO	27,445	20.9	0	NO	80	27,525
6/8/2021	34.6	1.0	NO	38,399	20.5	2	NO	51	38,451
6/9/2021	40.0	1.0	NO	20,317	21.6	0	NO	787	21,104
6/10/2021	35.6	0.0	NO	40,234	0.0	0	NO	787	41,021
6/11/2021	34.6	0.0	NO	48,616	23.1	0	NO		48,616
6/12/2021	34.8	0.0	NO	42,037	0.0	0	NO		42,037
6/13/2021	34.5	0.0	NO	48,978	21.6	0	NO	29	49,007
6/14/2021	34.7	0.0	NO	44,679	21.9	0	NO	354	45,033
6/15/2021	35.3	0.0	NO	38,135	21.4	0	NO	363	38,498
6/16/2021	34.9	0.0	NO	37,169	0.0	0	NO		37,169
6/17/2021	34.8	0.0	NO	27,325	21.0	0	NO	384	27,708
6/18/2021	34.6	0.0	NO	48,996	0.0	0	NO		48,996
6/19/2021	34.5	0.0	NO	48,614	22.7	0	NO	378	48,992
6/20/2021	35.0	0.0	NO	35,015	0.0	0	NO		35,015
6/21/2021	34.9	0.0	NO	31,295	21.9	0	NO	365	31,661
6/22/2021	35.0	0.0	NO	33,750	0.0	0	NO		33,750
6/23/2021	35.0	21.0	NO	27,834	21.3	37	NO	360	28,194
6/24/2021	35.1	0.0	NO	27,375	0.0	0	NO		27,375
6/25/2021	34.9	0.0	NO	31,908	21.4	0	NO	361	32,269
6/26/2021	35.1	0.0	NO	34,109	0.0	0	NO		34,109
6/27/2021	35.1	0.0	NO	49,013	0.0	0	NO		49,013
6/28/2021	34.5	0.0	NO	48,610	21.7	0	NO	375	48,985
6/29/2021	34.7	0.0	NO	48,617	21.7	0	NO	371	48,988
6/30/2021	34.9	0.0	NO	47,367	21.8	0	NO	370	47,737

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

Monthly Total: 1,212,301

Note:

1) 6/23/2021: The Industrial and Sanitary flowmeters were calibrated. Both discharge valves were placed in off and closed positions during the calibration process.

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: **2021**

Month	Flow (gallons)	Due Date
January		
February		
March		
April	1,050,020	7/15/2021
May	338,050	7/15/2021
June	1,212,301	7/15/2021
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 2021 to June 2021

WSAC Operation	
Month	Hours of Operation
January-21	
February-21	
March-21	
April-21	91.08
May-21	7.58
June-21	323.00
July-21	
August-21	
September-21	
October-21	
November-21	
December-21	

Attachment 7
Cycles of Concentration

PG&E Gateway Generating Station

WSAC Average Daily Blowdown Cycles Report
April 2021 to June 2021

WSAC Operation	
Month	Average Daily Blowdown Cycles
1/17/2020	
February-21	
March-21	
April-21	3.94
May-21	4.62
June-21	3.34
July-21	
August-21	
September-21	
October-21	
November-21	
December-21	

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: 2106662

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 2021)

Project Received: 06/10/2021

Analytical Report reviewed & approved for release on 06/17/2021 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

Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662

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
N/A	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.mccampbell.com> / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662

Analytical Qualifiers

b6 Lighter than water immiscible sheen/product is present



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/10/2021 11:06
Date Prepared: 06/16/2021
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
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 (G)	2106662-001B	Water	06/09/2021 08:30	O&G	223676

Analytes	Result	RL	DF	Date Analyzed
SGT-HEM	ND	5.0	1	06/17/2021 11:30

Analyst(s): HN

Analytical Comments: b6

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 (G)	2106662-002B	Water	06/10/2021 09:10	O&G	223676

Analytes	Result	RL	DF	Date Analyzed
SGT-HEM	ND	5.0	1	06/17/2021 11:35

Analyst(s): HN



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/10/2021 11:06
Date Prepared: 06/15/2021
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
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 (G)	2106662-001A	Water	06/09/2021 08:30	O&G	223587

Analytes	Result	RL	DF	Date Analyzed
HEM	25	5.0	1	06/16/2021 12:45

Analyst(s): HN

Analytical Comments: b6

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 (G)	2106662-002A	Water	06/10/2021 09:10	O&G	223587

Analytes	Result	RL	DF	Date Analyzed
HEM	ND	5.0	1	06/16/2021 12:50

Analyst(s): HN



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/10/2021 11:06
Date Prepared: 06/11/2021
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
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 (G)	2106662-002C	Water	06/10/2021 09:10	WC_SKALAR 061121b1_55	223256

Analytes	Result	RL	DF	Date Analyzed
Ammonia, total as N	13	1.0	10	06/11/2021 09:57

Analyst(s): RB



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/10/2021 11:06
Date Prepared: 06/10/2021
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
Extraction Method: SM5210B
Analytical Method: SM5210 B-2001
Unit: mg/L

Biochemical Oxygen Demand (BOD)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 (C)	2106662-003A	Water	06/10/2021 09:00	WetChem	223246

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
BOD	22	8.0	2	06/15/2021 19:03

Analyst(s): HAD



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/10/2021 11:06
Date Prepared: 06/16/2021
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
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 (G)	2106662-002D	Water	06/10/2021 09:10	WC_SKALAR 06162021A1_29	223604

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Cyanide	4.6	1.0	1	06/16/2021 12:09

Analyst(s): JN



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/10/2021 11:06
Date Prepared: 06/11/2021
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
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 (C)	2106662-003B	Water	06/10/2021 09:00	SPECTROPHOTOMETER	223341

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
COD	24	10	1	06/11/2021 20:09

Analyst(s): NYG



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/10/2021 11:06
Date Prepared: 06/11/2021
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
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 (C)	2106662-003E	Water	06/10/2021 09:00	AA1 _15	223191

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	ND	0.20	1	06/14/2021 18:40

Analyst(s): MIG



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/10/2021 11:06
Date Prepared: 06/11/2021
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Metals

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
E-001 (C)	2106662-003F	Water	06/10/2021 09:00		ICP-MS2 052SMPL.D	223192
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Date Analyzed</u>
Arsenic	1.2		0.50	1		06/14/2021 14:16
Cadmium	ND		0.50	1		06/14/2021 14:16
Chromium	1.5		0.50	1		06/14/2021 14:16
Copper	39		1.5	1		06/14/2021 14:16
Iron	1700		100	1		06/14/2021 14:16
Lead	ND		0.50	1		06/14/2021 14:16
Molybdenum	84		0.50	1		06/14/2021 14:16
Nickel	4.3		0.50	1		06/14/2021 14:16
Selenium	ND		0.50	1		06/14/2021 14:16
Silver	ND		0.50	1		06/14/2021 14:16
Zinc	140		20	1		06/14/2021 14:16
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>			
Terbium	111		70-130			06/14/2021 14:16
<u>Analyst(s):</u> AL						



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/10/2021 11:06
Date Prepared: 06/17/2021
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
Extraction Method: E420.4
Analytical Method: E420.4
Unit: µg/L

Phenolics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 (G)	2106662-002C	Water	06/10/2021 09:10	WC_SKALAR 06172021A1_25	223726

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Phenolics	20	2.0	1	06/17/2021 13:45

Analyst(s): JN



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/10/2021 11:06
Date Prepared: 06/10/2021
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
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 (C)	2106662-003C	Water	06/10/2021 09:00	WetChem	223238

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Dissolved Solids	648	10.0	1	06/11/2021 12:40

Analyst(s): NYG



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/10/2021 11:06
Date Prepared: 06/14/2021
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
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 (C)	2106662-003D	Water	06/10/2021 09:00	WetChem	223373

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Suspended Solids	47.0	5.00	5	06/14/2021 18:08

Analyst(s): HAD



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 06/17/2021
Date Analyzed: 06/17/2021
Instrument: O&G
Matrix: Water
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
BatchID: 223676
Extraction Method: E1664A_SG
Analytical Method: E1664A
Unit: mg/L
Sample ID: MB/LCS/LCSD-223676

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL			
SGT-HEM	ND	0.720	5.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
SGT-HEM	8.89	8.64	10.42	85	83	64-132	2.85	30



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 06/16/2021
Date Analyzed: 06/16/2021
Instrument: O&G
Matrix: Water
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
BatchID: 223587
Extraction Method: E1664A
Analytical Method: E1664A
Unit: mg/L
Sample ID: MB/LCS/LCSD-223587

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL			
HEM	ND	1.30	5.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
HEM	17.3	17.7	20.83	83	85	78-114	2.46	30



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 06/11/2021
Date Analyzed: 06/11/2021
Instrument: WC_SKALAR
Matrix: Water
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
BatchID: 223256
Extraction Method: SM4500-NH3 BG
Analytical Method: SM4500-NH3 BG
Unit: mg/L
Sample ID: MB/LCS/LCSD-223256

QC Summary Report for SM4500-NH3

Analyte	MB Result	MDL	RL			
Ammonia, total as N	ND	0.0920	0.100	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Ammonia, total as N	3.84	3.81	4	96	95	88-113	0.868	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 06/10/2021
Date Analyzed: 06/15/2021
Instrument: WetChem
Matrix: Water
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
BatchID: 223246
Extraction Method: SM5210B
Analytical Method: SM5210 B-2001
Unit: mg/L
Sample ID: MB/LCS/LCSD-223246

QC Summary Report for BOD

Analyte	MB Result	MDL	RL			
BOD	ND	4.00	4.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
BOD	212	207	198	107	105	80-120	2.62	16



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 06/16/2021
Date Analyzed: 06/16/2021
Instrument: WC_SKALAR
Matrix: Water
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
BatchID: 223604
Extraction Method: SM4500-CN⁻ E
Analytical Method: SM4500-CN⁻ CE
Unit: µg/L
Sample ID: MB/LCS/LCSD-223604

QC Summary Report for SM4500-CN⁻ CE

Analyte	MB Result	MDL	RL			
Total Cyanide	ND	0.770	1.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Cyanide	39.2	38.8	40	98	97	80-120	0.836	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 06/11/2021
Date Analyzed: 06/11/2021
Instrument: SPECTROPHOTOMETER
Matrix: Water
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
BatchID: 223341
Extraction Method: SM5220 D-1997
Analytical Method: SM5220 D-1997
Unit: mg/L
Sample ID: MB/LCS/LCSD-223341

QC Summary Report for COD

Analyte	MB Result	MDL	RL			
COD	ND	7.20	10.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
COD	97.0	91.0	100	97	91	90-110	6.38	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 06/11/2021
Date Analyzed: 06/14/2021
Instrument: AA1
Matrix: Water
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
BatchID: 223191
Extraction Method: E245.2
Analytical Method: E245.2
Unit: µg/L
Sample ID: MB/LCS/LCSD-223191
2106662-003EMS/MSD

QC Summary Report for Mercury

Analyte	MB Result	MDL	RL			
Mercury	ND	0.130	0.200	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Mercury	1.94	2.11	2	97	106	85-115	8.25	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Mercury	1	2.07	1.98	2	ND	104	99	80-120	4.72	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Mercury	ND<1.00	ND	-	-

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



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 06/11/2021
Date Analyzed: 06/11/2021 - 06/14/2021
Instrument: ICP-MS2, ICP-MS4
Matrix: Water
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
BatchID: 223192
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L
Sample ID: MB/LCS/LCSD-223192
2106662-003FMS/MSD

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.100	0.500	-	-	-
Cadmium	ND	0.240	0.500	-	-	-
Chromium	ND	0.350	0.500	-	-	-
Copper	ND	0.660	1.50	-	-	-
Iron	ND	37.0	100	-	-	-
Lead	ND	0.270	0.500	-	-	-
Molybdenum	ND	0.180	0.500	-	-	-
Nickel	ND	0.270	0.500	-	-	-
Selenium	ND	0.170	0.500	-	-	-
Silver	ND	0.260	0.500	-	-	-
Zinc	ND	14.0	20.0	-	-	-
Surrogate Recovery						
Terbium	530			500	106	70-130



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 06/11/2021
Date Analyzed: 06/11/2021 - 06/14/2021
Instrument: ICP-MS2, ICP-MS4
Matrix: Water
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
BatchID: 223192
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L
Sample ID: MB/LCS/LCSD-223192
2106662-003FMS/MSD

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	53.4	52.8	50	107	106	85-115	1.12	20
Cadmium	52.6	53.1	50	105	106	85-115	0.908	20
Chromium	51.1	51.5	50	102	103	85-115	0.626	20
Copper	53.4	52.9	50	107	106	85-115	0.860	20
Iron	5000	5080	5000	100	102	85-115	1.55	20
Lead	51.7	51.7	50	103	103	85-115	0.0928	20
Molybdenum	49.9	48.6	50	100	97	85-115	2.50	20
Nickel	52.4	51.6	50	105	103	85-115	1.71	20
Selenium	52.8	52.0	50	106	104	85-115	1.54	20
Silver	49.9	49.5	50	100	99	85-115	0.835	20
Zinc	527	531	500	105	106	85-115	0.631	20

Surrogate Recovery

Terbium	524	530	500	105	106	70-130	1.14	20
---------	-----	-----	-----	-----	-----	--------	------	----

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Arsenic	1	57.6	58.1	50	1.184	113	114	85-115	0.761	20
Cadmium	1	50.2	50.4	50	ND	100	101	85-115	0.318	20
Chromium	1	51.0	51.2	50	1.526	99	99	85-115	0.333	20
Copper	1	89.2	90.8	50	39.31	100	103	85-115	1.79	20
Iron	1	6640	6540	5000	1739	98	96	85-115	1.47	20
Lead	1	50.8	51.0	50	ND	101	101	85-115	0.334	20
Molybdenum	1	135	133	50	83.73	102	99	85-115	0.970	20
Nickel	1	56.5	56.5	50	4.346	104	104	85-115	0.0531	20
Selenium	1	55.5	55.2	50	ND	111	110	85-115	0.687	20
Silver	1	50.4	51.1	50	ND	101	102	85-115	1.46	20
Zinc	1	669	671	500	138.8	106	106	85-115	0.358	20

Surrogate Recovery

Terbium	1	546	547	500		109	109	70-130	0.183	20
---------	---	-----	-----	-----	--	-----	-----	--------	-------	----

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Arsenic	ND<2.50	1.184	-	-
Cadmium	ND<2.50	ND	-	-

(Cont.)



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 06/11/2021
Date Analyzed: 06/11/2021 - 06/14/2021
Instrument: ICP-MS2, ICP-MS4
Matrix: Water
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
BatchID: 223192
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L
Sample ID: MB/LCS/LCSD-223192
2106662-003FMS/MSD

QC Summary Report for Metals

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Chromium	ND<2.50	1.526	-	-
Copper	40.0	39.31	1.76	20
Iron	1900	1739	9.26	-
Lead	ND<2.50	ND	-	-
Molybdenum	79.8	83.73	4.69	20
Nickel	3.98	4.346	8.42	-
Selenium	ND<2.50	ND	-	-
Silver	ND<2.50	ND	-	-
Zinc	139	138.8	0.144	-

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



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 06/17/2021
Date Analyzed: 06/17/2021
Instrument: WC_SKALAR
Matrix: Water
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
BatchID: 223726
Extraction Method: E420.4
Analytical Method: E420.4
Unit: µg/L
Sample ID: MB/LCS/LCSD-223726
2106662-002CMS/MSD

QC Summary Report for E420.4

Analyte	MB Result	MDL	RL			
Phenolics	ND	1.30	2.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Phenolics	38.8	40.1	40	97	100	80-120	3.34	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Phenolics	1	55.2	57.6	40	20.0	88	94	70-130	4.08	30



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 06/10/2021
Date Analyzed: 06/11/2021
Instrument: WetChem
Matrix: Water
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
BatchID: 223238
Extraction Method: SM2540 C-1997
Analytical Method: SM2540 C-1997
Unit: mg/L
Sample ID: MB/LCS/LCSD-223238

QC Summary Report for Total Dissolved Solids

Analyte	MB Result	MDL	RL			
Total Dissolved Solids	ND	10.0	10.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Dissolved Solids	1010	1030	1000	101	103	80-120	1.77	10



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 06/14/2021
Date Analyzed: 06/14/2021
Instrument: WetChem
Matrix: Water
Project: Quarterly Sampling (June 2021)

WorkOrder: 2106662
BatchID: 223373
Extraction Method: SM2540 D-1997
Analytical Method: SM2540 D-1997
Unit: mg/L
Sample ID: MB/LCS/LCSD-223373

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	89.0	85.0	100	89	85	80-120	4.60	10



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

☐ WaterTrax ☐ WriteOn ☐ EDF

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2106662

ClientCode: PGEA

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

Report to:

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

Email: abe4@pge.com
cc/3rd Party: a1he@pge.com; j5ld@pge.com;
PO:
Project: Quarterly Sampling (June 2021)

Bill to:

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

Requested TATs: 5 days;
7 days;

Date Received: 06/10/2021

Date Logged: 06/10/2021

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2106662-001	E-001 (G)	Water	6/9/2021 08:30	<input type="checkbox"/>	B	A								A		
2106662-002	E-001 (G)	Water	6/10/2021 09:10	<input type="checkbox"/>	B	A	C		D				C	A		
2106662-003	E-001 (C)	Water	6/10/2021 09:00	<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

Project Manager: Angela Rydelius

Prepared by: Lilly Ortiz

Comments:

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



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

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Quarterly Sampling (June 2021)

Work Order: 2106662

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments

Date Logged: 6/10/2021

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
001A	E-001 (G)	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	6/9/2021 8:30	5 days	6/17/2021	Present	<input type="checkbox"/>	
001B	E-001 (G)	Water	E1664A (SGT- HEM; Non-polar Material)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	6/9/2021 8:30	5 days	6/17/2021	Present	<input type="checkbox"/>	
002A	E-001 (G)	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	6/10/2021 9:10	5 days	6/17/2021	Present	<input type="checkbox"/>	
002B	E-001 (G)	Water	E1664A (SGT- HEM; Non-polar Material)	1	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	6/10/2021 9:10	5 days	6/17/2021	Present	<input type="checkbox"/>	
002C	E-001 (G)	Water	E420.4 (Phenolics)	1	250mL aG w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	6/10/2021 9:10	5 days	6/17/2021	Present	<input type="checkbox"/>	
			SM4500-NH3 BG (Ammonia Nitrogen)			<input type="checkbox"/>	<input type="checkbox"/>		5 days	6/17/2021	Present	<input type="checkbox"/>	
002D	E-001 (G)	Water	SM4500-CN ⁻ CE (Cyanide, Total)	1	250mL aHDPE w/ NaOH	<input type="checkbox"/>	<input type="checkbox"/>	6/10/2021 9:10	5 days	6/17/2021	Present	<input type="checkbox"/>	
003A	E-001 (C)	Water	SM5210B (BOD)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	6/10/2021 9:00	7 days	6/21/2021	Present	<input type="checkbox"/>	
003B	E-001 (C)	Water	SM5220D (COD)	2	aVOA w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	6/10/2021 9:00	5 days	6/17/2021	Present	<input type="checkbox"/>	
003C	E-001 (C)	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	6/10/2021 9:00	5 days	6/17/2021	Present	<input type="checkbox"/>	
003D	E-001 (C)	Water	SM2540D (TSS)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	6/10/2021 9:00	5 days	6/17/2021	Present	<input type="checkbox"/>	
003E	E-001 (C)	Water	E245.2 (Mercury)	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	6/10/2021 9:00	5 days	6/17/2021	Present	<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 exclude any material from the sample prior to sample preparation unless requested in writing by the client.



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

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Quarterly Sampling (June 2021)

Work Order: 2106662

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments

Date Logged: 6/10/2021

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
003F	E-001 (C)	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"/>	6/10/2021 9:00	5 days	6/17/2021	Present	<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 exclude any material from the sample prior to sample preparation unless requested in writing by the client.



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: abe4@pge.com, AIHE@pge.com, J5Ld@pge.com, tlWY@pge.com

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

Project Name: Quarterly Sampling (June 2021)

Project Location: Combined Site Flow

Sampler Signature: Muskan Environmental Sampling

Analysis Request

Remarks

SAMPLE ID	LOCATION / Field Point Name	Sample Type Composite / Grab	SAMPLING		# Containers	Type Containers	Matrix		METHOD PRESERVED							Cyanide sodium preservation ABCE	Metals (by 200.8 Selenitum	Oil/Grease and with Total Phos	Ammonia	Mercury	Metals (2/20 copper, le Molybden	BOD (SM)	COD (SM)	TDS (SM)	TSS (SM)
			Date	Time			Waste Water	Sewer Water	None	ICE	H ₂ SO ₄	NaOH	HCL	HNO ₃	Other										
E-001		G	6/9/21	08:30	2	1L Amb	X		X		X					X									
E-001		G	6/10/21	09:10	2	1L Amb	X		X		X					X									
E-001		G	6/10/21	09:10	1	500ml Amb	X		X	X						X	X								
E-001		G	6/10/21	09:10	1	250-ml Poly	X		X		X			X											
E-001		C	6/10/21	09:00	1	1L Poly	X		X	X											X				
E-001		C	6/10/21	09:00	2	43-ml VOA	X			X	X										X				
E-001		C	6/10/21	09:00	1	500-ml poly	X		X	X													X		
E-001		C	6/10/21	09:00	1	1L poly	X		X	X													X		
E-001		C	6/10/21	09:00	1	250-ml Poly	X		X				X				X								
E-001		C	6/10/21	09:00	1	250-ml poly	X		X				X			X				X					

Relinquished By:

Date: _____

Time:

Received By:

Relinquished By:

Date:

Time:

Received By:

Relinquished By:

Date:

Time:

Received By:

ICE/H®

GOOD CONDITION

HEAD SPACE ABSENT

DECHLORINATED IN LAB

APPROPRIATE CONTAINERS

PRESERVED IN LAB

COMMENTS:

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	



Sample Receipt Checklist

Client Name: **PG&E Gateway Generating Station**
Project: **Quarterly Sampling (June 2021)**

Date and Time Received: **6/10/2021 11:06**

Date Logged: **6/10/2021**

Received by: **Tina Perez**

Logged by: **Lilly Ortiz**

WorkOrder No: **2106662** 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: 1.9°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 353.2/4500NO ₃ : <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 (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	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: 2106668

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 2021)

Project Received: 06/10/2021

Analytical Report reviewed & approved for release on 06/16/2021 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

Project: PH Sampling (June 2021)

WorkOrder: 2106668

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
N/A	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)



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 06/10/2021 11:10
Date Prepared: 06/09/2021
Project: PH Sampling (June 2021)

WorkOrder: 2106668
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	2106668-001A	Water	06/09/2021 08:35	WetChem	223279

Analytes	Result	Accuracy	DF	Date Analyzed
pH	7.75	±0.05	1	06/09/2021 08:36

Analyst(s): HAD

McC Campbell Analytical, Inc.



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

☐ WaterTrax ☐ WriteOn ☐ EDF

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2106668

ClientCode: PGEA

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

Report to:

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

Email: sanjivgill@comcast.net
cc/3rd Party:
PO:
Project: PH Sampling (June 2021)

Bill to:

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

Requested TAT: 5 days;

Date Received: 06/10/2021

Date Logged: 06/10/2021

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2106668-001	E-001	Water	6/9/2021 08:35	<input type="checkbox"/>	A	A										

Test Legend:

1	PH_W_SANJIV
5	
9	

2	PRDisposal Fee
6	
10	

3	
7	
11	

4	
8	
12	

Project Manager: Angela Rydelius

Prepared by: Lilly Ortiz

Comments:

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



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

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: PH Sampling (June 2021)

Work Order: 2106668

Client Contact: Sanjiv Gill

QC Level: LEVEL 2

Contact's Email: sanjivgill@comcast.net

Comments

Date Logged: 6/10/2021

☐ WaterTrax

☐ WriteOn

☐ EDF

☐ Excel

☐ EQuIS

☒ Email

☐ HardCopy

☐ ThirdParty

☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
001A	E-001	Water	SM4500H+B (Field pH)	1	125mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	6/9/2021 8:35	5 days	6/17/2021		<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 exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

RUSH 24 HR 48 HR 72 HR 5 DAY

GeoTracker EDF PDF Excel Write On (DW)

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

Report To: Sanjiv Gill

BID To: Muckan Environmental

Company: PG&E Gateway Generating Station

E-Mail: sanjivgill@comcast.net

Tel: (408) 666-4494 (Cell)

Fax: ()

Project Name: pH Sampling (June 2021)

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

Sampler Signature: Muskan Environmental Sepling

Analysis Request

Remarks

[illegible]

Grab Time: 08:35
Analysis Time: 08:36
Temperature: 18.8°C
pH: 7.75

Relinquished By:**Enter:**

Threats

Received By:

Reinspected By:

Date:

Time:

Received by:

Redesignated By:**Director****Time: 2**

Received By:

RCMP 109

GOOD CONDITION

HEAD SPACE ABSENT

DECHLORINATED IN LAB

APPROPRIATE CONTAINERS

PRESERVED IN LAB

COMMENTS:

VOAS O&G METALS OTHER
PRESERVATION



Sample Receipt Checklist

Client Name: **PG&E Gateway Generating Station**
Project: **PH Sampling (June 2021)**

Date and Time Received: **6/10/2021 11:10**

Date Logged: **6/10/2021**

Received by: **Tina Perez**

Logged by: **Lilly Ortiz**

WorkOrder No: **2106668** Matrix: Water
Carrier: Client Drop-In

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input 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 353.2/4500NO 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 (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments:

Attachment 9
Annual Flowmeter Calibration

Gateway Generating Station
Annual Flowmeter Accuracy Test

Name and Signature of Tester:

Cesar Valdez [Signature]
Date of Test: 6-23-2021

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	108.8 Ω	yes	19.3 M Ω	16.7 M Ω	yes
Sanitary Wastewater Flowmeter Tag No. 8WWB-FM-X001 Model No. Yokogawa AXF 650C Coil Resistance Value: 116.8 ohms	114 Ω	yes	170 K Ω	116 K 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®**

10/14/2021
Received 61

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

October 14, 2021

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, 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 September 30, 2021, 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, Copy of and 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®**

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

October 14, 2021

Mr. Jason Yun
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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,

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 September 30, 2021

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 |

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, 2021

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. 14, 2021

Print Name: Tim Wisdom

Industrial User Compliance Report Form

Attn: Jason Yun

Fax # (925)756-1961

From: Tim Wisdom

Company: Pacific Gas and Electric Company – Gateway Generating Station

Period Covered: Period ending September 30, 2021

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.) (Submitted in SMR Q2 2021)

☒ 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	9/1/2021	9/2/2021	9/2/2021	9/2/2021				
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.		8.02					
BOD			ND (<2.0)					
COD			46.0					
TDS			756.0					
TSS			ND (<1.0)					
Arsenic	0.15		0.00140					
Cadmium	0.1		ND(<0.0005)					
Chromium	0.5		0.00370					
Copper	0.5		0.0063					
Iron			0.23					
Lead	0.5		ND(<0.0005)					
Mercury	0.003		ND(<0.0002)					
Molybdenum			0.047					
Nickel	0.5		0.0024					
Selenium	0.25		ND(<0.0005)					
Silver	0.2		ND(<0.0005)					
Zinc	1.00		0.110					
Cyanide	0.2		0.0038					
Phenol	1.00		0.0059					
Ammonia	200		67					
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				ND(<0.0002)				
TTO EPA 624				0.01077				
TTO EPA 625				ND(<0.048)				
TTO	2.00			0.01077				
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 2021-September 2021

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)	
7/1/2021	35.1	0.0	NO	49,000	0.1	0	NO		49,000
7/2/2021	35.0	0.0	NO	44,645	21.7	0	NO	371	45,016
7/3/2021	35.0	0.0	NO	47,308	0.0	0	NO		47,308
7/4/2021	34.9	0.0	NO	41,412	21.6	0	NO	364	41,776
7/5/2021	35.1	0.0	NO	37,120	0.0	0	NO		37,120
7/6/2021	35.3	0.0	NO	27,884	22.3	0	NO	370	28,253
7/7/2021	34.8	0.0	NO	29,196	0.0	0	NO		29,196
7/8/2021	35.1	0.0	NO	40,408	21.4	0	NO	351	40,759
7/9/2021	35.0	0.0	NO	39,734	0.0	0	NO		39,734
7/10/2021	34.8	0.0	NO	33,914	21.4	0	NO		33,914
7/11/2021	35.1	0.0	NO	42,485	0.0	0	NO		42,485
7/12/2021	34.9	0.0	NO	47,801	23.2	0	NO	361	48,162
7/13/2021	34.9	0.0	NO	46,702	0.0	0	NO		46,702
7/14/2021	35.1	0.0	NO	41,557	21.4	0	NO	349	41,906
7/15/2021	34.8	0.0	NO	41,913	0.0	0	NO		41,913
7/16/2021	35.2	0.0	NO	38,728	22.7	0	NO	364	39,092
7/17/2021	35.0	0.0	NO	41,063	0.0	0	NO		41,063
7/18/2021	35.0	0.0	NO	47,293	0.0	0	NO		47,293
7/19/2021	35.0	0.0	NO	29,695	0.0	0	NO		29,695
7/20/2021	34.9	0.0	NO	32,858	22.9	0	NO	386	33,244
7/21/2021	34.5	0.0	NO	27,902	22.7	0	NO	347	28,249
7/22/2021	35.1	0.0	NO	31,454	0.0	0	NO		31,454
7/23/2021	34.9	0.0	NO	30,068	22.5	0	NO	370	30,438
7/24/2021	35.0	0.0	NO	37,118	0.0	0	NO		37,118
7/25/2021	35.0	0.0	NO	32,758	0.1	0	NO		32,758
7/26/2021	35.0	0.0	NO	35,471	23.5	0	NO	371	35,842
7/27/2021	35.2	0.0	NO	33,993	0.1	0	NO		33,993
7/28/2021	35.0	0.0	NO	32,229	22.8	0	NO	363	32,592
7/29/2021	34.9	0.0	NO	31,154	0.0	0	NO		31,154
7/30/2021	34.8	0.0	NO	26,987	0.0	0	NO		26,987
7/31/2021	34.9	0.0	NO	37,050	23.4	0	NO	382	37,432

Max Daily Flow (Limit: 51,120):

49,000

Monthly Total:

1,161,648

8/1/2021	34.9	0.0	NO	27,473	0.0	0	NO		27,473
8/2/2021	34.5	0.0	NO	47,704	0.0	0	NO		47,704
8/3/2021	35.0	0.0	NO	27,467	23.4	0	NO	371	27,837
8/4/2021	35.0	0.0	NO	27,474	0.0	0	NO		27,474
8/5/2021	35.1	0.0	NO	33,890	22.5	0	NO	360	34,250
8/6/2021	34.9	0.0	NO	45,201	0.0	0	NO		45,201
8/7/2021	34.2	0.0	NO	49,209	0.0	0	NO	6	49,216
8/8/2021	34.3	0.0	NO	40,963	0.0	0	NO	10	40,973
8/9/2021	34.9	0.0	NO	31,737	22.2	0	NO	378	32,115
8/10/2021	35.0	0.0	NO	38,069	0.1	0	NO	378	38,447
8/11/2021	34.8	0.0	NO	48,429	23.0	0	NO	358	48,788
8/12/2021	35.0	0.0	NO	32,959	0.0	0	NO		32,959
8/13/2021	35.3	0.0	NO	31,430	21.4	0	NO	355	31,785
8/14/2021	34.8	0.0	NO	31,440	0.1	0	NO		31,440
8/15/2021	34.9	0.0	NO	45,209	0.0	0	NO		45,209
8/16/2021	34.7	0.0	NO	45,560	0.0	0	NO		45,560
8/17/2021	34.6	0.0	NO	46,400	20.7	0	NO	372	46,772
8/18/2021	35.0	0.0	NO	42,937	0.1	0	NO		42,937
8/19/2021	34.7	0.0	NO	48,629	21.2	0	NO	367	48,997

PG&E Gateway Generating Station

Discharge Flow Data

July 2021-September 2021

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)	
8/20/2021	34.7	0.0	NO	39,852	0.0	0	NO		39,852
8/21/2021	34.6	0.0	NO	48,636	22.7	0	NO	358	48,994
8/22/2021	34.6	0.0	NO	43,544	0.0	0	NO		43,544
8/23/2021	34.5	0.0	NO	47,035	0.0	0	NO		47,035
8/24/2021	34.8	0.0	NO	31,869	0.0	0	NO		31,869
8/25/2021	34.7	0.0	NO	42,995	22.8	0	NO	593	43,588
8/26/2021	34.6	0.0	NO	37,765	0.1	0	NO		37,765
8/27/2021	35.3	0.0	NO	24,990	0.0	0	NO		24,990
8/28/2021	35.0	0.0	NO	36,645	22.9	0	NO	364	37,009
8/29/2021	36.7	0.0	NO	34,526	0.0	0	NO		34,526
8/30/2021	34.4	0.0	NO	22,548	0.0	0	NO		22,548
8/31/2021	21.1	0.0	NO	20,174	0.0	0	NO		20,174

Max Daily Flow (Limit: 51,120): 49,216

Monthly Total: 1,177,030

9/1/2021	30.2	0.0	NO	31,352	22.8	0	NO		31,352
9/2/2021	34.3	0.0	NO	42,918	0.0	0	NO		42,918
9/3/2021	34.6	0.0	NO	31,653	23.3	0	NO	349	32,001
9/4/2021	34.4	0.0	NO	22,686	0.0	0	NO		22,686
9/5/2021	34.7	0.0	NO	32,239	0.0	0	NO		32,239
9/6/2021	35.3	0.0	NO	35,424	0.0	0	NO		35,424
9/7/2021	35.1	0.0	NO	36,474	22.6	0	NO	349	36,823
9/8/2021	35.1	0.0	NO	33,004	0.0	0	NO		33,004
9/9/2021	35.1	0.0	NO	38,549	0.0	0	NO		38,549
9/10/2021	35.0	0.0	NO	36,713	23.0	0	NO		36,713
9/11/2021	35.1	0.0	NO	33,912	0.0	0	NO		33,912
9/12/2021	34.8	0.0	NO	44,170	0.0	0	NO		44,170
9/13/2021	35.0	0.0	NO	45,784	22.9	0	NO	383	46,167
9/14/2021	35.1	0.0	NO	30,552	0.0	0	NO		30,552
9/15/2021	34.6	0.0	NO	46,150	24.1	0	NO		46,150
9/16/2021	34.6	0.0	NO	42,980	0.1	0	NO		42,980
9/17/2021	35.1	0.0	NO	27,586	0.0	0	NO		27,586
9/18/2021	20.7	0.0	NO	22,889	0.0	0	NO		22,889
9/19/2021	30.3	0.0	NO	36,778	0.0	0	NO		36,778
9/20/2021	34.3	0.0	NO	47,988	0.0	0	NO		47,988
9/21/2021	35.1	0.0	NO	37,574	23.4	0	NO	385	37,959
9/22/2021	35.2	0.0	NO	26,846	0.0	0	NO		26,846
9/23/2021	35.4	0.0	NO	31,034	22.9	0	NO		31,034
9/24/2021	35.4	0.0	NO	31,781	0.0	0	NO		31,781
9/25/2021	35.2	0.0	NO	31,164	0.0	0	NO		31,164
9/26/2021	35.4	0.0	NO	20,870	22.1	0	NO		20,870
9/27/2021	35.1	0.0	NO	17,450	0.0	0	NO		17,450
9/28/2021	35.2	0.0	NO	33,924	23.1	0	NO	358	34,281
9/29/2021	35.1	0.0	NO	43,182	0.1	0	NO		43,182
9/30/2021	35.2	0.0	NO	34,864	22.7	0	NO		34,864

Max Daily Flow (Limit: 51,120): 47,988

Monthly Total: 1,030,315

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: **2021**

Month	Flow (gallons)	Due Date
January		
February		
March		
April		
May		
June		
July	1,161,648	10/15/2021
August	1,177,030	10/15/2021
September	1,030,315	10/15/2021
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
July 2021 to September 2021

WSAC Operation	
Month	Hours of Operation
January-21	
February-21	
March-21	
April-21	
May-21	
June-21	
July-21	348.25
August-21	354.75
September-21	305.67
October-21	
November-21	
December-21	

Attachment 7
Cycles of Concentration

PG&E Gateway Generating Station

WSAC Average Daily Blowdown Cycles Report
July 2021 to September 2021

WSAC Operation	
Month	Average Daily Blowdown Cycles
1/17/2020	
February-21	
March-21	
April-21	
May-21	
June-21	
July-21	2.33
August-21	2.50
September-21	2.89
October-21	
November-21	
December-21	

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: 2109124

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Angel Espiritu

Project P.O.:

Project: Quarterly Sampling (September 2021)

Project Received: 09/02/2021

Analytical Report reviewed & approved for release on 09/10/2021 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
Project: Quarterly Sampling (September 2021)
WorkOrder: 2109124

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
N/A	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)



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/02/2021 13:50
Date Prepared: 09/08/2021
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
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	2109124-001A	Water	09/01/2021 09:27	O&G	229321

Analytes	Result	RL	DF	Date Analyzed
SGT-HEM	ND	5.0	1	09/09/2021 13:50

Analyst(s): HN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2109124-001B	Water	09/02/2021 10:55	O&G	229321

Analytes	Result	RL	DF	Date Analyzed
SGT-HEM	ND	5.0	1	09/09/2021 13:55

Analyst(s): HN



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/02/2021 13:50
Date Prepared: 09/08/2021
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
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	2109124-001A	Water	09/01/2021 09:27	O&G	229315

Analytes	Result	RL	DF	Date Analyzed
HEM	ND	5.0	1	09/09/2021 12:15

Analyst(s): HN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2109124-001B	Water	09/02/2021 10:55	O&G	229315

Analytes	Result	RL	DF	Date Analyzed
HEM	ND	5.0	1	09/09/2021 11:35

Analyst(s): HN



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/02/2021 13:50
Date Prepared: 09/03/2021
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
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	2109124-001C	Water	09/02/2021 10:55	WC_SKALAR 090321A1_42	229028

Analytes	Result	RL	DE	Date Analyzed
Ammonia, total as N	67	1.0	10	09/03/2021 09:24

Analyst(s): RB



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/02/2021 13:50
Date Prepared: 09/02/2021
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
Extraction Method: SM5210B
Analytical Method: SM5210 B-2001
Unit: mg/L

Biochemical Oxygen Demand (BOD)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2109124-001E	Water	09/02/2021 10:45	WetChem	228962

Analytes	Result	RL	DE	Date Analyzed
BOD	ND	2.0	0.508	09/07/2021 14:31

Analyst(s): HAD



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/02/2021 13:50
Date Prepared: 09/09/2021
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
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	2109124-001D	Water	09/02/2021 10:55	WC_SKALAR 09092021A1_39	229345

Analytes	Result	RL	DE	Date Analyzed
Total Cyanide	3.8	1.0	1	09/09/2021 14:18

Analyst(s): JN



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/02/2021 13:50
Date Prepared: 09/03/2021
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
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	2109124-001F	Water	09/02/2021 10:45	SPECTROPHOTOMETER	229075

Analytes	Result	RL	DE	Date Analyzed
COD	46	10	1	09/03/2021 14:48

Analyst(s): NYG



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/02/2021 13:50
Date Prepared: 09/08/2021
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
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	2109124-0011	Water	09/02/2021 10:45	AA1 _31	229210

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Mercury	ND	0.20	1	09/09/2021 16:01

Analyst(s): MIG



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/02/2021 13:50
Date Prepared: 09/02/2021
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2109124-001J	Water	09/02/2021 10:45	ICP-MS4 148SMPL.d	228943

Analytes	Result	RL	DE	Date Analyzed
Arsenic	1.4	0.50	1	09/07/2021 22:21
Cadmium	ND	0.50	1	09/07/2021 22:21
Chromium	3.7	0.50	1	09/07/2021 22:21
Copper	6.3	1.5	1	09/07/2021 22:21
Iron	230	100	1	09/07/2021 22:21
Lead	ND	0.50	1	09/07/2021 22:21
Molybdenum	47	0.50	1	09/07/2021 22:21
Nickel	2.4	0.50	1	09/07/2021 22:21
Selenium	ND	0.50	1	09/07/2021 22:21
Silver	ND	0.50	1	09/07/2021 22:21
Zinc	110	20	1	09/07/2021 22:21

Surrogates	REC (%)	Limits	
Terbium	112	70-130	09/07/2021 22:21

Analyst(s): AL



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/02/2021 13:50
Date Prepared: 09/10/2021
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
Extraction Method: E420.4
Analytical Method: E420.4
Unit: µg/L

Phenolics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001	2109124-001C	Water	09/02/2021 10:55	WC_SKALAR 09102021B1_23	229426

Analytes	Result	RL	DE	Date Analyzed
Phenolics	5.9	2.0	1	09/10/2021 13:21

Analyst(s): JN



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/02/2021 13:50
Date Prepared: 09/03/2021
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
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	2109124-001G	Water	09/02/2021 10:45	WetChem	229095

Analytes	Result	RL	DE	Date Analyzed
Total Dissolved Solids	756	10.0	1	09/07/2021 04:15

Analyst(s): MGO



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/02/2021 13:50
Date Prepared: 09/03/2021
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
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	2109124-001H	Water	09/02/2021 10:45	WetChem	229032

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Total Suspended Solids	ND	1.00	1	09/03/2021 12:30

Analyst(s): HAD



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/09/2021
Date Analyzed: 09/09/2021
Instrument: O&G
Matrix: Water
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
BatchID: 229321
Extraction Method: E1664A_SG
Analytical Method: E1664A
Unit: mg/L
Sample ID: MB/LCS/LCSD-229321

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL			
SGT-HEM	ND	0.720	5.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
SGT-HEM	8.94	8.53	10.42	86	82	64-132	4.77	30



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/09/2021
Date Analyzed: 09/09/2021
Instrument: O&G
Matrix: Water
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
BatchID: 229315
Extraction Method: E1664A
Analytical Method: E1664A
Unit: mg/L
Sample ID: MB/LCS/LCSD-229315

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL			
HEM	ND	1.30	5.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
HEM	17.6	18.2	20.83	84	87	78-114	3.34	30



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/03/2021
Date Analyzed: 09/03/2021
Instrument: WC_SKALAR
Matrix: Water
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
BatchID: 229028
Extraction Method: SM4500-NH3 BG
Analytical Method: SM4500-NH3 BG
Unit: mg/L
Sample ID: MB/LCS/LCSD-229028

QC Summary Report for SM4500-NH3

Analyte	MB Result	MDL	RL			
Ammonia, total as N	ND	0.0920	0.100	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Ammonia, total as N	3.92	3.85	4	98	96	88-113	1.81	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/02/2021
Date Analyzed: 09/07/2021
Instrument: WetChem
Matrix: Water
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
BatchID: 228962
Extraction Method: SM5210B
Analytical Method: SM5210 B-2001
Unit: mg/L
Sample ID: MB/LCS/LCSD-228962

QC Summary Report for BOD

Analyte	MB Result	MDL	RL			
BOD	ND	4.00	4.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
BOD	176	193	198	89	97	80-120	8.93	16



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/09/2021
Date Analyzed: 09/09/2021
Instrument: WC_SKALAR
Matrix: Water
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
BatchID: 229345
Extraction Method: SM4500-CN⁻ E
Analytical Method: SM4500-CN⁻ CE
Unit: µg/L
Sample ID: MB/LCS/LCSD-229345

QC Summary Report for SM4500-CN⁻ CE

Analyte	MB Result	MDL	RL			
Total Cyanide	ND	0.770	1.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Cyanide	40.6	40.3	40	101	101	90-110	0.774	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/03/2021
Date Analyzed: 09/03/2021
Instrument: SPECTROPHOTOMETER
Matrix: Water
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
BatchID: 229075
Extraction Method: SM5220 D-1997
Analytical Method: SM5220 D-1997
Unit: mg/L
Sample ID: MB/LCS/LCSD-229075

QC Summary Report for COD

Analyte	MB Result	MDL	RL			
COD	ND	7.20	10.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
COD	97.0	98.0	100	97	98	90-110	1.03	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/08/2021
Date Analyzed: 09/09/2021
Instrument: AA1
Matrix: Water
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
BatchID: 229210
Extraction Method: E245.2
Analytical Method: E245.2
Unit: µg/L
Sample ID: MB/LCS/LCSD-229210

QC Summary Report for Mercury

Analyte	MB Result	MDL	RL			
Mercury	ND	0.130	0.200	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Mercury	2.14	1.93	2	107	96	85-115	10.5	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/02/2021
Date Analyzed: 09/03/2021
Instrument: ICP-MS4
Matrix: Water
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
BatchID: 228943
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L
Sample ID: MB/LCS/LCSD-228943

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.100	0.500	-	-	-
Cadmium	ND	0.240	0.500	-	-	-
Chromium	ND	0.350	0.500	-	-	-
Copper	ND	0.660	1.50	-	-	-
Iron	ND	37.0	100	-	-	-
Lead	ND	0.270	0.500	-	-	-
Molybdenum	ND	0.180	0.500	-	-	-
Nickel	ND	0.270	0.500	-	-	-
Selenium	ND	0.170	0.500	-	-	-
Silver	ND	0.260	0.500	-	-	-
Zinc	ND	14.0	20.0	-	-	-

Surrogate Recovery

Terbium	521	500	104	70-130
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Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	53.6	51.5	50	107	103	85-115	4.03	20
Cadmium	52.5	51.7	50	105	103	85-115	1.52	20
Chromium	52.9	51.5	50	106	103	85-115	2.55	20
Copper	52.9	51.1	50	106	102	85-115	3.37	20
Iron	5120	5000	5000	102	100	85-115	2.41	20
Lead	50.6	49.3	50	101	99	85-115	2.46	20
Molybdenum	50.1	50.5	50	100	101	85-115	0.798	20
Nickel	53.8	51.2	50	108	102	85-115	4.88	20
Selenium	53.0	51.7	50	106	103	85-115	2.35	20
Silver	50.0	49.5	50	100	99	85-115	0.965	20
Zinc	535	516	500	107	103	85-115	3.73	20

Surrogate Recovery

Terbium	531	527	500	106	105	70-130	0.731	20
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Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/10/2021
Date Analyzed: 09/10/2021
Instrument: WC_SKALAR
Matrix: Water
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
BatchID: 229426
Extraction Method: E420.4
Analytical Method: E420.4
Unit: µg/L
Sample ID: MB/LCS/LCSD-229426
2109124-001CMS/MSD

QC Summary Report for E420.4

Analyte	MB Result	MDL	RL			
Phenolics	ND	1.30	2.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Phenolics	39.6	39.8	40	99	100	80-120	0.675	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Phenolics	1	46.4	47.0	40	5.92	101	103	70-130	1.30	30



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/03/2021
Date Analyzed: 09/07/2021
Instrument: WetChem
Matrix: Water
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
BatchID: 229095
Extraction Method: SM2540 C-1997
Analytical Method: SM2540 C-1997
Unit: mg/L
Sample ID: MB/LCS/LCSD-229095

QC Summary Report for Total Dissolved Solids

Analyte	MB Result	MDL	RL			
Total Dissolved Solids	ND	10.0	10.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Dissolved Solids	1020	1000	1000	102	100	80-120	1.78	10



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/03/2021
Date Analyzed: 09/03/2021
Instrument: WetChem
Matrix: Water
Project: Quarterly Sampling (September 2021)

WorkOrder: 2109124
BatchID: 229032
Extraction Method: SM2540 D-1997
Analytical Method: SM2540 D-1997
Unit: mg/L
Sample ID: MB/LCS/LCSD-229032

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	99.0	102	100	99	102	80-120	2.99	10



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

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2109124

ClientCode: PGEA

☐ WaterTrax☐ WriteOn☐ 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; tlWY@pge.com; J5Ld@p
PO:
Project: Quarterly Sampling (September 2021)

Bill to:

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

Requested TATs: 1 day;
5 days;
7 days;
Date Received: 09/02/2021
Date Logged: 09/02/2021

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2109124-001	E-001	Water	9/1/2021 09:27	<input type="checkbox"/>	A	A								A		
2109124-001	E-001	Water	9/2/2021 10:45	<input type="checkbox"/>				E		F	I	J			G	H
2109124-001	E-001	Water	9/2/2021 10:55	<input type="checkbox"/>	B	B	C		D				C			

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

Project Manager: Angela Rydelius

Prepared by: Adrianna Cardoza

Comments:

NOTE: Soil samples are discarded 60 days after results are reported 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: Quarterly Sampling (September 2021)

Work Order: 2109124

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 9/2/2021

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
001A	E-001	Water	E1664A (SGT- HEM; Non-polar Material)	2	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	9/1/2021 9:27	5 days	9/10/2021	Present	<input type="checkbox"/>	
001B	E-001	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	2	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	9/1/2021 10:55	5 days	9/10/2021	Present	<input type="checkbox"/>	
001C	E-001	Water	E420.4 (Phenolics)	1	250mL aG w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	9/1/2021 10:55	5 days	9/10/2021	Present	<input type="checkbox"/>	
			SM4500-NH3 BG (Ammonia Nitrogen)			<input type="checkbox"/>	<input type="checkbox"/>		5 days	9/10/2021	Present	<input type="checkbox"/>	
001D	E-001	Water	SM4500-CN ⁻ CE (Cyanide, Total)	1	250mL HDPE w/ NaOH	<input type="checkbox"/>	<input type="checkbox"/>	9/1/2021 10:55	5 days	9/10/2021	Present	<input type="checkbox"/>	
001E	E-001	Water	SM5210B (BOD)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	9/1/2021 10:55	7 days	9/14/2021	Present	<input type="checkbox"/>	
001F	E-001	Water	SM5220D (COD)	2	aVOA w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	9/1/2021 10:55	5 days	9/10/2021	Present	<input type="checkbox"/>	
001G	E-001	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	9/1/2021 10:55	5 days	9/10/2021	Present	<input type="checkbox"/>	
001H	E-001	Water	SM2540D (TSS)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	9/1/2021 10:55	5 days	9/10/2021	Present	<input type="checkbox"/>	
001I	E-001	Water	E245.2 (Mercury)	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	9/1/2021 10:55	5 days	9/10/2021	Present	<input type="checkbox"/>	
001J	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"/>	9/1/2021 10:55	5 days	9/10/2021	Present	<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 exclude any material from the sample prior to sample preparation unless requested in writing by the client.

**McCAMPBELL ANALYTICAL, INC.**1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701Website: 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 DAYGeoTracker 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: Quarterly Sampling (September 2021)

Project Location: Combined Site Flow

Sampler Signature: Muskan Environmental Sampling

SAMPLE ID	LOCATION / Field Point Name	Sample Type Composite /Grab	SAMPLING		# Containers	Type Containers	Matrix		METHOD PRESERVED								Cyanide (Pretreated with sodium thiosulfate before preserving) by SM 4500 CN-ABCE	Metals (Arsenic and selenium) by 200.8 Selenium by reaction mode	Oil/Grease (USEPA 1664A) with and without silica gel clean up	Total Phenolics (USEPA 420.4)	Ammonia as N (SM 4500-NH3-G)	Mercury (245.2)	Metals (200.8 cadmium, chromium, copper, lead, nickel, silver, Molybdenum, iron, and zinc)	BOD (SM 5210B)	COD (SM 5220D)	TDS (SM 2540C)	TSS (SM 2540D)			
			Date	Time			Waste Water	Sewer Water	None	ICE	H ₂ SO ₄	NaOH	HCL	HNO ₃	Other															
E-001		G	09/01/21	09:27	2	1L Amb	X			X			X					X												
E-001		G	09/02/21	10:55	2	1L Amb	X			X			X					X												
E-001		G	09/02/21	10:55	1	500ml Amb	X			X	X							X	X											
E-001		G	09/02/21	10:55	1	250-ml Poly	X			X		X			X															
E-001		C	09/02/21	10:45	1	1L Poly	X		X	X													X							
E-001		C	09/02/21	10:45	2	43-ml VOA	X			X	X													X						
E-001		C	09/02/21	10:45	1	500-ml poly	X		X	X															X					
E-001		C	09/02/21	10:45	1	1L poly	X		X	X																	X			
E-001		C	09/02/21	10:45	1	250-ml Poly	X			X					X					X										
E-001		C	09/02/21	10:45	1	250-ml poly	X			X					X							X								

Relinquished By:

Date:

Time:

Received By:

9-2-21
1350ICE# 1.800
GOOD CONDITION

HEAD SPACE ABSENT

DECHLORINATED IN LAB

APPROPRIATE CONTAINERS

PRESERVED IN LAB

COMMENTS:

Relinquished By:

Date:

Time:

Received By:

Relinquished By:

Date:

Time:

Received By:

PRESERVATION VOAS O&G METALS OTHER
pH<2



Sample Receipt Checklist

Client Name: **PG&E Gateway Generating Station**
Project: **Quarterly Sampling (September 2021)**

Date and Time Received: **9/2/2021 13:50**
Date Logged: **9/2/2021**
Received by: **Adrianna Cardoza**
Logged by: **Adrianna Cardoza**

WorkOrder No: **2109124** Matrix: Water
Carrier: Client Drop-In

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

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

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 1.8°C		NA <input type="checkbox"/>
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; 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 (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	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: 2109192

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Sanjiv Gill

Project P.O.:

Project: pH Sampling (September 2021)

Project Received: 09/02/2021

Analytical Report reviewed & approved for release on 09/10/2021 by:

Susan Thompson
Project Manager

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Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

Project: pH Sampling (September 2021)

WorkOrder: 2109192

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
N/A	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)



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

☐ WaterTrax

☐ CLIP

☐ EDF

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2109192

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 (September 2021)

Bill to:

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

Requested TAT: 5 days;

Date Received: 09/02/2021

Date Logged: 09/02/2021

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2109192-001	E-001	Water	9/1/2021 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	

Project Manager: Angela Rydelius

Prepared by: Adrianna Cardoza

Comments: Originally logged as MES, but that is bill-to only.

NOTE: Soil samples are discarded 60 days after results are reported 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: pH Sampling (September 2021)

Work Order: 2109192

Client Contact: Sanjiv Gill

QC Level: LEVEL 2

Contact's Email: sanjivgill@comcast.net

Comments: Originally logged as MES, but that is bill-to only.

Date Logged: 9/2/2021

☐ WaterTrax

☐ WriteOn

☐ EDF

☐ Excel

☐ EQUIS

☒ Email

☐ HardCopy

☐ ThirdParty

☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
001A	E-001	Water	SM4500H+B (Field pH)	1	125mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	9/1/2021 9:25	5 days	9/10/2021		<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 exclude any material from the sample prior to sample preparation unless requested in writing by the client.

Page 5 of 8

2109192

Logbook for Field pH Samples

[illegible]



McC Campbell Analytical, Inc.

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

Client supplied pH data

Client Name: **PG&E Gateway Generating Station**
Project: **pH Sampling (September 2021)**

WorkOrder No: **2109192**

SampleID	ClientSampleID	pH
2109192-001A	E-001	8.02 [analyzed: 9/2/2021 9:25:00 AM]



Sample Receipt Checklist

Client Name: **PG&E Gateway Generating Station**
Project: **pH Sampling (September 2021)**

Date and Time Received: **9/2/2021 13:50**
Date Logged: **9/2/2021**
Received by: **Adrianna Cardoza**
Logged by: **Adrianna Cardoza**

WorkOrder No: **2109192** 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: 1.8°C	NA <input type="checkbox"/>	
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

UCMR Samples:

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

Comments: Method SM4500H+B (Field pH) was received past its 0.25-day holding time.

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



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2109128

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Angel Espiritu

Project P.O.:

Project: Semi-Annual Sampling (September 2021)

Project Received: 09/02/2021

Analytical Report reviewed & approved for release on 09/10/2021 by:

Jennifer Lagerbom
Project Manager

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Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station
Project: Semi-Annual Sampling (September 2021)
WorkOrder: 2109128

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
N/A	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 (September 2021)
WorkOrder: 2109128

Analytical Qualifiers

a2 Sample diluted due to cluttered chromatogram.
a3 Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.

Quality Control Qualifiers

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



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/02/2021 13:50
Date Prepared: 09/03/2021
Project: Semi-Annual Sampling (September 2021)

WorkOrder: 2109128
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	2109128-001D	Water	09/02/2021 10:55	GC20 09072128.D	229043

Analytes	Result	RL	DE	Date Analyzed
Aldrin	ND	0.010	10	09/07/2021 13:58
a-BHC	ND	0.010	10	09/07/2021 13:58
b-BHC	ND	0.010	10	09/07/2021 13:58
d-BHC	ND	0.010	10	09/07/2021 13:58
g-BHC	ND	0.010	10	09/07/2021 13:58
Chlordane (Technical)	ND	0.20	10	09/07/2021 13:58
a-Chlordane	ND	0.010	10	09/07/2021 13:58
g-Chlordane	ND	0.010	10	09/07/2021 13:58
p,p-DDD	ND	0.010	10	09/07/2021 13:58
p,p-DDE	ND	0.010	10	09/07/2021 13:58
p,p-DDT	ND	0.010	10	09/07/2021 13:58
Dieldrin	ND	0.010	10	09/07/2021 13:58
Endosulfan I	ND	0.010	10	09/07/2021 13:58
Endosulfan II	ND	0.010	10	09/07/2021 13:58
Endosulfan sulfate	ND	0.020	10	09/07/2021 13:58
Endrin	ND	0.010	10	09/07/2021 13:58
Endrin aldehyde	ND	0.010	10	09/07/2021 13:58
Endrin ketone	ND	0.010	10	09/07/2021 13:58
Heptachlor	ND	0.010	10	09/07/2021 13:58
Heptachlor epoxide	ND	0.010	10	09/07/2021 13:58
Toxaphene	ND	0.20	10	09/07/2021 13:58
Aroclor1016	ND	0.20	10	09/07/2021 13:58
Aroclor1221	ND	0.20	10	09/07/2021 13:58
Aroclor1232	ND	0.20	10	09/07/2021 13:58
Aroclor1242	ND	0.20	10	09/07/2021 13:58
Aroclor1248	ND	0.20	10	09/07/2021 13:58
Aroclor1254	ND	0.20	10	09/07/2021 13:58
Aroclor1260	ND	0.20	10	09/07/2021 13:58
PCBs, total	ND	0.20	10	09/07/2021 13:58

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	114	60-130	09/07/2021 13:58

Analyst(s): CK

Analytical Comments: a2



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/02/2021 13:50
Date Prepared: 09/03/2021
Project: Semi-Annual Sampling (September 2021)

WorkOrder: 2109128
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	2109128-001B	Water	09/02/2021 10:55	GC10 09032106.D	229161

Analytes	Result	RL	DE	Date Analyzed
Acrolein (Propenal)	ND	5.0	1	09/03/2021 11:40
Acrylonitrile	ND	2.0	1	09/03/2021 11:40
2-Chloroethyl Vinyl Ether	ND	1.0	1	09/03/2021 11:40

Surrogates	REC (%)	Limits	
Dibromofluoromethane	87	65-165	09/03/2021 11:40

Analyst(s): KF



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/02/2021 13:50
Date Prepared: 09/08/2021
Project: Semi-Annual Sampling (September 2021)

WorkOrder: 2109128
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	2109128-001A	Water	09/02/2021 10:55		GC28 09072132.D	229204
Analytes	Result		RL	DE	Date Analyzed	
Benzene	ND		0.20	1	09/08/2021 03:09	
Bromodichloromethane	0.81		0.050	1	09/08/2021 03:09	
Bromoform	8.7		0.50	1	09/08/2021 03:09	
Bromomethane	ND		0.50	1	09/08/2021 03:09	
Carbon tetrachloride	ND		0.050	1	09/08/2021 03:09	
Chlorobenzene	ND		0.50	1	09/08/2021 03:09	
Chloroethane	ND		0.50	1	09/08/2021 03:09	
Chloroform	0.31		0.10	1	09/08/2021 03:09	
Chloromethane	ND		0.50	1	09/08/2021 03:09	
Dibromochloromethane	0.95		0.15	1	09/08/2021 03:09	
1,2-Dichlorobenzene	ND		0.50	1	09/08/2021 03:09	
1,3-Dichlorobenzene	ND		0.50	1	09/08/2021 03:09	
1,4-Dichlorobenzene	ND		0.50	1	09/08/2021 03:09	
1,1-Dichloroethane	ND		0.50	1	09/08/2021 03:09	
1,2-Dichloroethane (1,2-DCA)	ND		0.020	1	09/08/2021 03:09	
1,1-Dichloroethene	ND		0.010	1	09/08/2021 03:09	
trans-1,2-Dichloroethene	ND		0.50	1	09/08/2021 03:09	
1,2-Dichloropropane	ND		0.20	1	09/08/2021 03:09	
cis-1,3-Dichloropropene	ND		0.50	1	09/08/2021 03:09	
trans-1,3-Dichloropropene	ND		0.50	1	09/08/2021 03:09	
Ethylbenzene	ND		0.50	1	09/08/2021 03:09	
Methylene chloride	ND		2.0	1	09/08/2021 03:09	
1,1,2,2-Tetrachloroethane	ND		0.020	1	09/08/2021 03:09	
Tetrachloroethene	ND		0.20	1	09/08/2021 03:09	
Toluene	ND		0.50	1	09/08/2021 03:09	
1,1,1-Trichloroethane	ND		0.50	1	09/08/2021 03:09	
1,1,2-Trichloroethane	ND		0.20	1	09/08/2021 03:09	
Trichloroethene	ND		0.50	1	09/08/2021 03:09	
Trichlorofluoromethane	ND		0.50	1	09/08/2021 03:09	
Vinyl chloride	ND		0.0050	1	09/08/2021 03:09	
Xylenes, Total	ND		0.50	1	09/08/2021 03:09	

(Cont.)



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/02/2021 13:50
Date Prepared: 09/08/2021
Project: Semi-Annual Sampling (September 2021)

WorkOrder: 2109128
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	2109128-001A	Water	09/02/2021 10:55	GC28 09072132.D	229204

Analytes	Result	RL	DE	Date Analyzed
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>		
Dibromofluoromethane	103	70-130		09/08/2021 03:09
Toluene-d8	89	70-130		09/08/2021 03:09
4-BFB	87	70-130		09/08/2021 03:09

Analyst(s): KF



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/02/2021 13:50
Date Prepared: 09/03/2021
Project: Semi-Annual Sampling (September 2021)

WorkOrder: 2109128
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	2109128-001C	Water	09/02/2021 10:55		GC21 09072160.D	229065
Analytes	Result	RL	DF	Date Analyzed		
Acenaphthene	ND	0.048	10	09/08/2021 12:40		
Acenaphthylene	ND	0.048	10	09/08/2021 12:40		
Anthracene	ND	0.095	10	09/08/2021 12:40		
Benzidine	ND	48	10	09/08/2021 12:40		
Benzo (a) anthracene	ND	0.48	10	09/08/2021 12:40		
Benzo (a) pyrene	ND	0.048	10	09/08/2021 12:40		
Benzo (b) fluoranthene	ND	0.19	10	09/08/2021 12:40		
Benzo (g,h,i) perylene	ND	0.19	10	09/08/2021 12:40		
Benzo (k) fluoranthene	ND	0.095	10	09/08/2021 12:40		
Bis (2-chloroethoxy) Methane	ND	9.5	10	09/08/2021 12:40		
Bis (2-chloroethyl) Ether	ND	0.048	10	09/08/2021 12:40		
Bis (2-chloroisopropyl) Ether	ND	0.48	10	09/08/2021 12:40		
Bis (2-ethylhexyl) Phthalate	ND	1.9	10	09/08/2021 12:40		
4-Bromophenyl Phenyl Ether	ND	9.5	10	09/08/2021 12:40		
Butylbenzyl Phthalate	ND	0.48	10	09/08/2021 12:40		
4-Chloro-3-methylphenol	ND	9.5	10	09/08/2021 12:40		
2-Chloronaphthalene	ND	9.5	10	09/08/2021 12:40		
2-Chlorophenol	ND	0.48	10	09/08/2021 12:40		
4-Chlorophenyl Phenyl Ether	ND	9.5	10	09/08/2021 12:40		
Chrysene	ND	0.095	10	09/08/2021 12:40		
Dibenzo (a,h) anthracene	ND	0.095	10	09/08/2021 12:40		
Di-n-butyl Phthalate	ND	0.48	10	09/08/2021 12:40		
1,2-Dichlorobenzene	ND	9.5	10	09/08/2021 12:40		
1,3-Dichlorobenzene	ND	9.5	10	09/08/2021 12:40		
1,4-Dichlorobenzene	ND	9.5	10	09/08/2021 12:40		
3,3-Dichlorobenzidine	ND	0.19	10	09/08/2021 12:40		
2,4-Dichlorophenol	ND	0.095	10	09/08/2021 12:40		
Diethyl Phthalate	ND	0.48	10	09/08/2021 12:40		
2,4-Dimethylphenol	ND	9.5	10	09/08/2021 12:40		
Dimethyl Phthalate	ND	0.095	10	09/08/2021 12:40		
4,6-Dinitro-2-methylphenol	ND	48	10	09/08/2021 12:40		
2,4-Dinitrophenol	ND	19	10	09/08/2021 12:40		
2,4-Dinitrotoluene	ND	0.48	10	09/08/2021 12:40		
2,6-Dinitrotoluene	ND	0.48	10	09/08/2021 12:40		
Di-n-octyl Phthalate	ND	0.48	10	09/08/2021 12:40		
1,2-Diphenylhydrazine	ND	9.5	10	09/08/2021 12:40		
Fluoranthene	ND	0.095	10	09/08/2021 12:40		

(Cont.)



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 09/02/2021 13:50
Date Prepared: 09/03/2021
Project: Semi-Annual Sampling (September 2021)

WorkOrder: 2109128
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	2109128-001C	Water	09/02/2021 10:55	GC21 09072160.D	229065

Analytes	Result	RL	DE	Date Analyzed
Fluorene	ND	0.095	10	09/08/2021 12:40
Hexachlorobenzene	ND	0.048	10	09/08/2021 12:40
Hexachlorobutadiene	ND	0.095	10	09/08/2021 12:40
Hexachlorocyclopentadiene	ND	48	10	09/08/2021 12:40
Hexachloroethane	ND	0.48	10	09/08/2021 12:40
Indeno (1,2,3-cd) pyrene	ND	0.19	10	09/08/2021 12:40
Isophorone	ND	19	10	09/08/2021 12:40
Naphthalene	ND	0.48	10	09/08/2021 12:40
Nitrobenzene	ND	9.5	10	09/08/2021 12:40
2-Nitrophenol	ND	48	10	09/08/2021 12:40
4-Nitrophenol	ND	48	10	09/08/2021 12:40
N-Nitrosodimethylamine	ND	48	10	09/08/2021 12:40
N-Nitrosodiphenylamine	ND	9.5	10	09/08/2021 12:40
N-Nitrosodi-n-propylamine	ND	9.5	10	09/08/2021 12:40
Pentachlorophenol	ND	2.4	10	09/08/2021 12:40
Phenanthrene	ND	0.19	10	09/08/2021 12:40
Phenol	ND	1.9	10	09/08/2021 12:40
Pyrene	ND	0.095	10	09/08/2021 12:40
1,2,4-Trichlorobenzene	ND	9.5	10	09/08/2021 12:40
2,4,6-Trichlorophenol	ND	0.095	10	09/08/2021 12:40

Surrogates	REC (%)	Limits	
2-Fluorophenol	34	20-130	09/08/2021 12:40
Phenol-d5	27	20-130	09/08/2021 12:40
Nitrobenzene-d5	74	30-130	09/08/2021 12:40
2-Fluorobiphenyl	54	40-130	09/08/2021 12:40
2,4,6-Tribromophenol	101	40-130	09/08/2021 12:40
Terphenyl-d14	76	40-130	09/08/2021 12:40

Analyst(s): KOS

Analytical Comments: a3



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/03/2021
Date Analyzed: 09/03/2021
Instrument: GC20
Matrix: Water
Project: Semi-Annual Sampling (September 2021)

WorkOrder: 2109128
BatchID: 229043
Extraction Method: E608.3/SW3620B
Analytical Method: E608.3
Unit: µg/L
Sample ID: MB/LCS/LCSD-229043

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	0.000280	0.00100	-	-	-
a-BHC	ND	0.000310	0.00100	-	-	-
b-BHC	ND	0.000690	0.00100	-	-	-
d-BHC	ND	0.000140	0.00100	-	-	-
g-BHC	ND	0.000450	0.00100	-	-	-
a-Chlordane	ND	0.000850	0.00100	-	-	-
g-Chlordane	ND	0.000150	0.00100	-	-	-
p,p-DDD	ND	0.000110	0.00100	-	-	-
p,p-DDE	ND	0.000180	0.00100	-	-	-
p,p-DDT	ND	0.000170	0.00100	-	-	-
Dieldrin	ND	0.000140	0.00100	-	-	-
Endosulfan I	ND	0.000110	0.00100	-	-	-
Endosulfan II	ND	0.000460	0.00100	-	-	-
Endosulfan sulfate	ND	0.000330	0.00200	-	-	-
Endrin	ND	0.000180	0.00100	-	-	-
Endrin aldehyde	ND	0.000530	0.00100	-	-	-
Endrin ketone	ND	0.000260	0.00100	-	-	-
Heptachlor	ND	0.000410	0.00100	-	-	-
Heptachlor epoxide	ND	0.000250	0.00100	-	-	-
Methoxychlor	ND	0.000120	0.00100	-	-	-
Toxaphene	ND	0.00200	0.0200	-	-	-
Aroclor1016	ND	0.00190	0.0200	-	-	-
Aroclor1221	ND	0.00240	0.0200	-	-	-
Aroclor1232	ND	0.00380	0.0200	-	-	-
Aroclor1242	ND	0.00280	0.0200	-	-	-
Aroclor1248	ND	0.00180	0.0200	-	-	-
Aroclor1254	ND	0.00150	0.0200	-	-	-
Aroclor1260	ND	0.00280	0.0200	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.0452			0.05	90	60-130

(Cont.)



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/03/2021
Date Analyzed: 09/03/2021
Instrument: GC20
Matrix: Water
Project: Semi-Annual Sampling (September 2021)

WorkOrder: 2109128
BatchID: 229043
Extraction Method: E608.3/SW3620B
Analytical Method: E608.3
Unit: µg/L
Sample ID: MB/LCS/LCSD-229043

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	0.0374	0.0376	0.050	75	75	60-130	0.652	20
a-BHC	0.0494	0.0489	0.050	99	98	70-130	0.864	20
b-BHC	0.0471	0.0472	0.050	94	94	70-130	0.223	20
d-BHC	0.0469	0.0474	0.050	94	95	70-130	1.07	20
g-BHC	0.0486	0.0483	0.050	97	97	60-130	0.554	20
a-Chlordane	0.0404	0.0412	0.050	81	82	60-130	1.90	20
g-Chlordane	0.0430	0.0439	0.050	86	88	70-130	1.94	20
p,p-DDD	0.0594	0.0600	0.050	119	120	70-130	1.03	20
p,p-DDE	0.0452	0.0467	0.050	90	93	70-130	3.34	20
p,p-DDT	0.0577	0.0571	0.050	115	114	70-130	1.07	20
Dieldrin	0.0473	0.0474	0.050	95	95	70-130	0.179	20
Endosulfan I	0.0498	0.0496	0.050	100	99	70-130	0.315	20
Endosulfan II	0.0469	0.0486	0.050	94	97	70-130	3.42	20
Endosulfan sulfate	0.0447	0.0466	0.050	89	93	70-130	4.12	20
Endrin	0.0534	0.0532	0.050	107	106	70-130	0.456	20
Endrin aldehyde	0.0438	0.0460	0.050	88	92	60-130	4.77	20
Endrin ketone	0.0432	0.0450	0.050	86	90	60-130	4.16	20
Heptachlor	0.0468	0.0466	0.050	94	93	70-130	0.368	20
Heptachlor epoxide	0.0436	0.0442	0.050	87	88	70-130	1.46	20
Methoxychlor	0.0629	0.0610	0.050	126	122	70-130	3.02	20
Aroclor1016	0.179	0.177	0.15	120	118	70-130	1.35	20
Aroclor1260	0.184	0.183	0.15	122	122	70-130	0.0452	20
Surrogate Recovery								
Decachlorobiphenyl	0.0510	0.0508	0.050	102	102	60-130	0.556	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/03/2021
Date Analyzed: 09/03/2021
Instrument: GC10
Matrix: Water
Project: Semi-Annual Sampling (September 2021)

WorkOrder: 2109128
BatchID: 229161
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-229161

QC Summary Report for E624.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acrolein (Propenal)	ND	1.50	5.00	-	-	-
Acrylonitrile	ND	0.520	2.00	-	-	-
2-Chloroethyl Vinyl Ether	ND	0.560	1.00	-	-	-
Surrogate Recovery						
Dibromofluoromethane	22.0			25	88	76-110

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acrolein (Propenal)	18.3	17.7	20	91	88	71-140	3.20	20
Acrylonitrile	18.4	18.0	20	92	90	67-145	2.24	20
2-Chloroethyl Vinyl Ether	20.1	19.4	20	100	97	70-124	3.44	20
Surrogate Recovery								
Dibromofluoromethane	21.6	21.8	25	86	87	76-110	1.26	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/07/2021
Date Analyzed: 09/07/2021
Instrument: GC28
Matrix: Water
Project: Semi-Annual Sampling (September 2021)

WorkOrder: 2109128
BatchID: 229204
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-229204

QC Summary Report for E624.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Benzene	ND	0.120	0.200	-	-	-
Bromodichloromethane	ND	0.0250	0.0500	-	-	-
Bromoform	ND	0.310	0.500	-	-	-
Bromomethane	ND	0.180	0.500	-	-	-
Carbon Disulfide	ND	0.180	0.500	-	-	-
Carbon tetrachloride	ND	0.0280	0.0500	-	-	-
Chlorobenzene	ND	0.110	0.500	-	-	-
Chloroethane	ND	0.200	0.500	-	-	-
Chloroform	ND	0.0910	0.100	-	-	-
Chloromethane	ND	0.280	0.500	-	-	-
Dibromochloromethane	ND	0.0260	0.150	-	-	-
1,2-Dichlorobenzene	ND	0.160	0.500	-	-	-
1,3-Dichlorobenzene	ND	0.120	0.500	-	-	-
1,4-Dichlorobenzene	ND	0.0930	0.500	-	-	-
Dichlorodifluoromethane	ND	0.290	0.500	-	-	-
1,1-Dichloroethane	ND	0.150	0.500	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0110	0.0200	-	-	-
1,1-Dichloroethene	ND	0.00940	0.0100	-	-	-
trans-1,2-Dichloroethene	ND	0.110	0.500	-	-	-
1,2-Dichloropropane	ND	0.0190	0.200	-	-	-
cis-1,3-Dichloropropene	ND	0.210	0.500	-	-	-
trans-1,3-Dichloropropene	ND	0.280	0.500	-	-	-
Ethylbenzene	ND	0.140	0.500	-	-	-
Methylene chloride	ND	0.740	2.00	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.0110	0.0200	-	-	-
Tetrachloroethene	ND	0.160	0.200	-	-	-
Toluene	ND	0.170	0.500	-	-	-
1,1,1-Trichloroethane	ND	0.110	0.500	-	-	-
1,1,2-Trichloroethane	ND	0.110	0.200	-	-	-
Trichloroethene	ND	0.250	0.500	-	-	-
Trichlorofluoromethane	ND	0.140	0.500	-	-	-
Vinyl chloride	ND	0.00430	0.00500	-	-	-

Surrogate Recovery

Dibromofluoromethane	24.8	25	99	70-130
Toluene-d8	22.3	25	89	70-130
4-BFB	2.20	2.5	88	70-130

(Cont.)



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/07/2021
Date Analyzed: 09/07/2021
Instrument: GC28
Matrix: Water
Project: Semi-Annual Sampling (September 2021)

WorkOrder: 2109128
BatchID: 229204
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-229204

QC Summary Report for E624.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Benzene	4.12	4.09	4	103	102	60-130	0.752	20
Bromodichloromethane	4.19	4.15	4	105	104	60-130	0.781	20
Bromoform	4.09	4.06	4	102	102	50-130	0.707	20
Bromomethane	3.49	3.49	4	87	87	50-130	0.198	20
Carbon Disulfide	4.28	4.23	4	107	106	60-130	1.35	20
Carbon tetrachloride	3.99	3.94	4	100	98	60-130	1.28	20
Chlorobenzene	4.15	4.07	4	104	102	60-130	2.00	20
Chloroethane	3.55	3.65	4	89	91	60-140	2.68	20
Chloroform	4.50	4.46	4	113	111	60-130	0.988	20
Chloromethane	3.48	3.46	4	87	86	50-130	0.768	20
Dibromochloromethane	4.03	4.00	4	101	100	50-130	0.819	20
1,2-Dichlorobenzene	4.04	4.08	4	101	102	60-130	0.826	20
1,3-Dichlorobenzene	4.12	4.15	4	103	104	60-130	0.740	20
1,4-Dichlorobenzene	4.08	4.08	4	102	102	60-130	0.0556	20
Dichlorodifluoromethane	3.05	3.04	4	76	76	40-140	0.395	20
1,1-Dichloroethane	4.40	4.33	4	110	108	50-130	1.58	20
1,2-Dichloroethane (1,2-DCA)	4.24	4.23	4	106	106	60-130	0.366	20
1,1-Dichloroethene	4.32	4.28	4	108	107	60-130	1.10	20
trans-1,2-Dichloroethene	4.15	4.15	4	104	104	60-130	0.121	20
1,2-Dichloropropane	4.32	4.29	4	108	107	60-130	0.810	20
cis-1,3-Dichloropropene	4.52	4.42	4	113	111	60-130	2.04	20
trans-1,3-Dichloropropene	4.28	4.22	4	107	105	60-130	1.39	20
Diisopropyl ether (DIPE)	4.36	4.34	4	109	108	60-130	0.448	20
Ethylbenzene	4.27	4.21	4	107	105	60-130	1.31	20
Ethyl tert-butyl ether (ETBE)	4.38	4.24	4	109	106	60-130	3.12	20
Methylene chloride	3.38	3.39	4	85	85	50-130	0.167	20
1,1,2,2-Tetrachloroethane	4.41	4.48	4	110	112	60-130	1.59	20
Tetrachloroethene	4.09	4.01	4	102	100	60-130	2.13	20
Toluene	4.12	4.04	4	103	101	60-130	2.16	20
1,1,1-Trichloroethane	4.37	4.28	4	109	107	60-130	2.00	20
1,1,2-Trichloroethane	4.30	4.28	4	107	107	60-130	0.540	20
Trichloroethene	4.23	4.18	4	106	105	60-130	1.04	20
Trichlorofluoromethane	3.98	3.90	4	99	97	60-130	2.11	20
Vinyl chloride	1.79	1.79	2	90	89	60-130	0.282	20

(Cont.)



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/07/2021
Date Analyzed: 09/07/2021
Instrument: GC28
Matrix: Water
Project: Semi-Annual Sampling (September 2021)

WorkOrder: 2109128
BatchID: 229204
Extraction Method: E624.1
Analytical Method: E624.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-229204

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	24.6	25.0	25	99	100	70-130	1.28	20
Toluene-d8	22.6	22.5	25	90	90	70-130	0.263	20
4-BFB	2.21	2.21	2.5	89	88	70-130	0.264	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/03/2021
Date Analyzed: 09/03/2021
Instrument: GC21
Matrix: Water
Project: Semi-Annual Sampling (September 2021)

WorkOrder: 2109128
BatchID: 229065
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-229065

QC Summary Report for E625.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acenaphthene	ND	0.00280	0.00500	-	-	-
Acenaphthylene	ND	0.00170	0.00500	-	-	-
Anthracene	ND	0.00440	0.0100	-	-	-
Benzidine	ND	0.580	5.00	-	-	-
Benzo (a) anthracene	ND	0.0100	0.0500	-	-	-
Benzo (a) pyrene	ND	0.00250	0.00500	-	-	-
Benzo (b) fluoranthene	ND	0.00500	0.0200	-	-	-
Benzo (g,h,i) perylene	ND	0.00830	0.0200	-	-	-
Benzo (k) fluoranthene	ND	0.00520	0.0100	-	-	-
Benzyl Alcohol	ND	3.00	5.00	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.180	1.00	-	-	-
Bis (2-chloroethyl) Ether	ND	0.00290	0.00500	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.0160	0.0500	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.110	1.00	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	0.0150	0.200	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.0850	1.00	-	-	-
Butylbenzyl Phthalate	ND	0.00800	0.0500	-	-	-
4-Chloroaniline	ND	0.00210	0.00500	-	-	-
4-Chloro-3-methylphenol	ND	0.150	1.00	-	-	-
2-Chloronaphthalene	ND	0.0640	1.00	-	-	-
2-Chlorophenol	ND	0.00770	0.0500	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.110	1.00	-	-	-
Chrysene	ND	0.00880	0.0100	-	-	-
Dibenzo (a,h) anthracene	ND	0.00830	0.0100	-	-	-
Dibenzofuran	ND	0.200	1.00	-	-	-
Di-n-butyl Phthalate	ND	0.0140	0.0500	-	-	-
1,2-Dichlorobenzene	ND	0.150	1.00	-	-	-
1,3-Dichlorobenzene	ND	0.240	1.00	-	-	-
1,4-Dichlorobenzene	ND	0.340	1.00	-	-	-
3,3-Dichlorobenzidine	ND	0.00290	0.0200	-	-	-
2,4-Dichlorophenol	ND	0.00290	0.0100	-	-	-
2,6-Dichlorophenol	ND	0.00930	0.0500	-	-	-
Diethyl Phthalate	ND	0.00920	0.0500	-	-	-
2,4-Dimethylphenol	ND	0.610	1.00	-	-	-
Dimethyl Phthalate	ND	0.00480	0.0100	-	-	-
4,6-Dinitro-2-methylphenol	ND	2.30	5.00	-	-	-
2,4-Dinitrophenol	ND	0.550	2.00	-	-	-
2,4-Dinitrotoluene	ND	0.0120	0.0500	-	-	-

(Cont.)



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/03/2021
Date Analyzed: 09/03/2021
Instrument: GC21
Matrix: Water
Project: Semi-Annual Sampling (September 2021)

WorkOrder: 2109128
BatchID: 229065
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-229065

QC Summary Report for E625.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
2,6-Dinitrotoluene	ND	0.00480	0.0500	-	-	-
Di-n-octyl Phthalate	ND	0.0170	0.0500	-	-	-
1,2-Diphenylhydrazine	ND	0.130	1.00	-	-	-
Fluoranthene	ND	0.00430	0.0100	-	-	-
Fluorene	ND	0.00450	0.0100	-	-	-
Hexachlorobenzene	ND	0.000730	0.00500	-	-	-
Hexachlorobutadiene	ND	0.000910	0.0100	-	-	-
Hexachlorocyclopentadiene	ND	2.30	5.00	-	-	-
Hexachloroethane	ND	0.00720	0.0500	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.00780	0.0200	-	-	-
1-Methylnaphthalene	ND	0.00140	0.00500	-	-	-
Isophorone	ND	1.00	2.00	-	-	-
2-Methylnaphthalene	ND	0.00180	0.0100	-	-	-
2-Methylphenol (o-Cresol)	ND	0.320	1.00	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.420	1.00	-	-	-
Naphthalene	ND	0.00550	0.0500	-	-	-
2-Nitroaniline	ND	0.310	5.00	-	-	-
3-Nitroaniline	ND	2.00	5.00	-	-	-
4-Nitroaniline	ND	1.30	5.00	-	-	-
Nitrobenzene	ND	0.300	1.00	-	-	-
2-Nitrophenol	ND	0.550	5.00	-	-	-
4-Nitrophenol	ND	1.60	5.00	-	-	-
N-Nitrosodimethylamine	ND	0.740	5.00	-	-	-
N-Nitrosodiphenylamine	ND	0.0900	1.00	-	-	-
N-Nitrosodi-n-propylamine	ND	0.320	1.00	-	-	-
Pentachlorophenol	ND	0.0500	0.250	-	-	-
Phenanthrene	ND	0.00740	0.0200	-	-	-
Phenol	ND	0.0200	0.200	-	-	-
Pyrene	ND	0.00420	0.0100	-	-	-
Pyridine	ND	0.160	1.00	-	-	-
1,2,4-Trichlorobenzene	ND	0.0750	1.00	-	-	-
2,4,5-Trichlorophenol	ND	0.00200	0.0100	-	-	-
2,4,6-Trichlorophenol	ND	0.00350	0.0100	-	-	-

(Cont.)



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/03/2021
Date Analyzed: 09/03/2021
Instrument: GC21
Matrix: Water
Project: Semi-Annual Sampling (September 2021)

WorkOrder: 2109128
BatchID: 229065
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-229065

QC Summary Report for E625.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
2-Fluorophenol	3.81			5	76	50-130
Phenol-d5	3.88			5	78	60-130
Nitrobenzene-d5	4.77			5	95	60-130
2-Fluorobiphenyl	4.20			5	84	60-130
2,4,6-Tribromophenol	3.86			5	77	60-130
Terphenyl-d14	3.76			5	75	60-130



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/03/2021
Date Analyzed: 09/03/2021
Instrument: GC21
Matrix: Water
Project: Semi-Annual Sampling (September 2021)

WorkOrder: 2109128
BatchID: 229065
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-229065

QC Summary Report for E625.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acenaphthene	0.232	0.220	0.25	93	88	70-130	5.34	25
Acenaphthylene	0.308	0.291	0.25	123	116	60-130	5.76	25
Anthracene	0.235	0.217	0.25	94	87	70-130	7.93	25
Benzidine	19.2	17.7	25	77	71	50-130	8.02	25
Benzo (a) anthracene	0.250	0.229	0.25	100	92	60-130	8.69	25
Benzo (a) pyrene	0.216	0.202	0.25	86	81	70-130	6.81	25
Benzo (b) fluoranthene	0.284	0.270	0.25	114	108	60-130	5.29	25
Benzo (g,h,i) perylene	0.250	0.231	0.25	100	93	70-130	7.64	25
Benzo (k) fluoranthene	0.291	0.285	0.25	116	114	70-130	2.01	25
Benzyl Alcohol	18.1	16.8	25	72	67,F2	70-130	7.31	25
Bis (2-chloroethoxy) Methane	4.80	4.43	5	96	89	70-130	7.94	25
Bis (2-chloroethyl) Ether	0.232	0.215	0.25	93	86	60-130	7.61	25
Bis (2-chloroisopropyl) Ether	0.241	0.218	0.25	96	87	60-130	9.65	25
Bis (2-ethylhexyl) Adipate	4.28	3.94	5	86	79	60-130	8.30	25
Bis (2-ethylhexyl) Phthalate	0.235	0.217	0.25	94	87	60-130	8.19	25
4-Bromophenyl Phenyl Ether	4.60	4.11	5	92	82	70-130	11.1	25
Butylbenzyl Phthalate	0.245	0.224	0.25	98	89	60-130	9.12	25
4-Chloroaniline	0.321	0.302	0.25	129	121	70-130	6.29	25
4-Chloro-3-methylphenol	4.50	4.09	5	90	82	70-130	9.53	25
2-Chloronaphthalene	4.45	4.23	5	89	85	70-130	4.88	25
2-Chlorophenol	0.203	0.191	0.25	81	76	60-130	6.38	25
4-Chlorophenyl Phenyl Ether	4.29	4.11	5	86	82	70-130	4.35	25
Chrysene	0.292	0.266	0.25	117	106	70-130	9.10	25
Dibenzo (a,h) anthracene	0.218	0.205	0.25	87	82	70-130	6.17	25
Dibenzofuran	4.70	4.41	5	94	88	70-130	6.29	25
Di-n-butyl Phthalate	0.238	0.211	0.25	95	84	70-130	12.2	25
1,2-Dichlorobenzene	4.01	3.70	5	80	74	60-130	8.06	25
1,3-Dichlorobenzene	3.59	3.29	5	72	66	60-130	8.58	25
1,4-Dichlorobenzene	3.70	3.36	5	74	67	60-130	9.59	25
3,3-Dichlorobenzidine	0.280	0.263	0.25	112	105	70-130	6.25	25
2,4-Dichlorophenol	0.210	0.194	0.25	84	78	70-130	7.93	25
2,6-Dichlorophenol	0.225	0.211	0.25	90	85	70-130	6.35	25
Diethyl Phthalate	0.262	0.251	0.25	105	100	70-130	4.30	25
2,4-Dimethylphenol	4.65	4.55	5	93	91	70-130	2.25	25
Dimethyl Phthalate	0.256	0.244	0.25	103	98	70-130	4.99	25
4,6-Dinitro-2-methylphenol	26.9	25.4	25	108	101	70-130	5.90	25
2,4-Dinitrophenol	5.51	5.50	5	110	110	60-130	0.178	25
2,4-Dinitrotoluene	0.383	0.365	0.25	153,F2	146,F2	70-130	4.73	25

(Cont.)



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/03/2021
Date Analyzed: 09/03/2021
Instrument: GC21
Matrix: Water
Project: Semi-Annual Sampling (September 2021)

WorkOrder: 2109128
BatchID: 229065
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-229065

QC Summary Report for E625.1

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
2,6-Dinitrotoluene	0.322	0.318	0.25	129	127	70-130	1.14	25
Di-n-octyl Phthalate	0.249	0.237	0.25	100	95	70-130	4.91	25
1,2-Diphenylhydrazine	4.41	4.03	5	88	81	70-130	9.16	25
Fluoranthene	0.260	0.236	0.25	104	95	70-130	9.57	25
Fluorene	0.267	0.253	0.25	107	101	70-130	5.37	25
Hexachlorobenzene	0.263	0.240	0.25	105	96	60-130	8.98	25
Hexachlorobutadiene	0.235	0.218	0.25	94	87	60-130	7.69	25
Hexachlorocyclopentadiene	19.6	18.3	25	78	73	60-130	6.53	25
Hexachloroethane	0.219	0.204	0.25	88	81	60-130	7.29	25
Indeno (1,2,3-cd) pyrene	0.256	0.238	0.25	102	95	70-130	7.43	25
1-Methylnaphthalene	0.244	0.238	0.25	98	95	70-130	2.63	25
Isophorone	4.66	4.28	5	93	86	70-130	8.46	25
2-Methylnaphthalene	0.337	0.306	0.25	135,F2	122	60-130	9.63	25
2-Methylphenol (o-Cresol)	4.42	4.05	5	88	81	70-130	8.65	25
3 & 4-Methylphenol (m,p-Cresol)	4.30	4.22	5	86	84	70-130	1.87	25
Naphthalene	0.239	0.221	0.25	96	88	50-130	7.75	25
2-Nitroaniline	22.7	21.4	25	91	86	70-130	5.84	25
3-Nitroaniline	24.7	23.0	25	99	92	70-130	7.19	25
4-Nitroaniline	23.3	21.4	25	93	85	70-130	8.71	25
Nitrobenzene	5.19	4.94	5	104	99	70-130	4.94	25
2-Nitrophenol	25.8	24.4	25	103	97	70-130	5.84	25
4-Nitrophenol	23.1	22.7	25	93	91	50-130	2.05	25
N-Nitrosodimethylamine	17.3	15.8	25	69	63	60-130	8.92	25
N-Nitrosodiphenylamine	4.76	4.35	5	95	87	70-130	8.92	25
N-Nitrosodi-n-propylamine	3.65	3.39	5	73	68	60-130	7.42	25
Pentachlorophenol	1.08	0.963	1.25	86	77	60-130	11.3	25
Phenanthrene	0.294	0.268	0.25	118	107	70-130	9.58	25
Phenol	0.846	0.772	1	85	77	60-130	9.13	25
Pyrene	0.292	0.266	0.25	117	106	70-130	9.44	25
Pyridine	2.77	2.45	5	55	49,F2	50-130	12.3	25
1,2,4-Trichlorobenzene	4.36	3.97	5	87	79	70-130	9.47	25
2,4,5-Trichlorophenol	0.247	0.233	0.25	99	93	70-130	6.05	25
2,4,6-Trichlorophenol	0.249	0.235	0.25	99	94	70-130	5.54	25

(Cont.)



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 09/03/2021
Date Analyzed: 09/03/2021
Instrument: GC21
Matrix: Water
Project: Semi-Annual Sampling (September 2021)

WorkOrder: 2109128
BatchID: 229065
Extraction Method: E625.1
Analytical Method: E625.1
Unit: µg/L
Sample ID: MB/LCS/LCSD-229065

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	3.64	3.55	5	73	71	50-130	2.69	25
Phenol-d5	3.96	3.75	5	79	75	60-130	5.51	25
Nitrobenzene-d5	5.49	5.43	5	110	109	60-130	1.06	25
2-Fluorobiphenyl	4.91	4.82	5	98	96	60-130	1.85	25
2,4,6-Tribromophenol	4.86	4.64	5	97	93	60-130	4.80	25
Terphenyl-d14	5.24	4.94	5	105	99	60-130	6.00	25



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

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2109128

ClientCode: PGEA

☐ WaterTrax☐ WriteOn☐ 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; tlWY@pge.com; J5Ld@p
PO:
Project: Semi-Annual Sampling (September 2021)

Bill to:

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

Requested TAT: 5 days;

Date Received: 09/02/2021

Date Logged: 09/02/2021

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2109128-001	E-001	Water	9/2/2021 10:55	<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	

Project Manager: Angela Rydelius

Prepared by: Adrianna Cardoza

Comments:

NOTE: Soil samples are discarded 60 days after results are reported 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"

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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 (September 2021)

Work Order: 2109128

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 9/2/2021

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
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, Xylenes, Total>	2	VOA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	9/2/2021 10:55	5 days	9/10/2021	Present	<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"/>	9/2/2021 10:55	5 days	9/10/2021	Present	<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 exclude any material from the sample prior to sample preparation unless requested in writing by the client.



McC Campbell Analytical, Inc.

"When Quality Counts"

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WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Semi-Annual Sampling (September 2021)

Work Order: 2109128

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 9/2/2021

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
001C	E-001	Water	E625.1 (SVOCs) <1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Diphenylhydrazine, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1-Methylnaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dichlorophenol, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Methylnaphthalene, 2-Methylphenol (o-Cresol), 2-Nitroaniline, 2-Nitrophenol, 3 & 4-Methylphenol (m,p-Cresol), 3,3-Dichlorobenzidine, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Bromophenyl Phenyl Ether, 4-Chloro-3-methylphenol, 4-Chloroaniline, 4-Chlorophenyl Phenyl Ether, 4-Nitroaniline, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Anthracene, Benzdine, Benzo (a) anthracene, Benzo (a) pyrene, Benzo (b) fluoranthene, Benzo (g,h,i) perylene, Benzo (k) fluoranthene, Benzyl Alcohol, Bis (2-chloroethoxy) Methane, Bis (2-chloroethyl) Ether, Bis (2-	1	1LA Narrow Mouth, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	9/2/2021 10:55	5 days	9/10/2021	Present	<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 exclude any material from the sample prior to sample preparation unless requested in writing by the client.



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

Client Contact: Angel Espiritu

Contact's Email: abe4@pge.com

Project: Semi-Annual Sampling (September 2021)

Comments:

Work Order: 2109128

QC Level: LEVEL 2

Date Logged: 9/2/2021

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

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

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

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Contact's Email: abe4@pge.com

Comments:

Date Logged: 9/2/2021

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
001D	E-001	Water	E608.3 (OC Pesticides+PCBs w/ Florisil Clean-up) <a-BHC_1, a-Chlordane_1, Aldrin_1, Aroclor1016_1, Aroclor1221_1, Aroclor1232_1, Aroclor1242_1, Aroclor1248_1, Aroclor1254_1, Aroclor1260_1, b- BHC_1, Chlordane (Technical)_1, d- BHC_1, Dieldrin_1, Endosulfan I_1, Endosulfan II_1, Endosulfan sulfate_1, Endrin aldehyde_1, Endrin ketone_1, Endrin_1, g-BHC_1, g-Chlordane_1, Heptachlor epoxide_1, Heptachlor_1, Methoxychlor_1, p,p-DDD_1, p,p- DDE_1, p,p-DDT_1, PCBs, total_1, Toxaphene_1>	1	1LA Narrow Mouth, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	9/2/2021 10:55	5 days	9/10/2021	None	<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 exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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

[Handwritten signature]
6/2/21



Sample Receipt Checklist

Client Name: **PG&E Gateway Generating Station**
Project: **Semi-Annual Sampling (September 2021)**

Date and Time Received: **9/2/2021 13:50**
Date Logged: **9/2/2021**
Received by: **Adrianna Cardoza**
Logged by: **Adrianna Cardoza**

WorkOrder No: **2109128** Matrix: Water
Carrier: Client Drop-In

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

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

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 1.8°C		NA <input type="checkbox"/>
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; 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 (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	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 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 December 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 December 31, 2021, 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, 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
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, 2021

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, 2021

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

Signature:_____ **Date:**_____

Print Name: Tim Wisdom

Attachment 2
Industrial User Compliance Report

Industrial User Compliance Report Form

Attn: Jason Yun

Fax # (925)756-1961

From: Tim Wisdom

Company: Pacific Gas and Electric Company – Gateway Generating Station

Period Covered: Period ending December 31, 2021

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	11/22/2021	11/23/2021	11/23/2021					
TYPE	G	G	C24					
STATION	E-001	E-001	E-001					
SMP.BY	Muskan	Muskan	Muskan					
PURPOSE	Compliance Quarterly (Q4)	Compliance Quarterly (Q4)	Compliance Quarterly (Q4)					

Units: mg/L

PARAMETERS

LIMITS

FLOW, DAILY (gal)	51,120							
FLOW, MONTH (gal)								
pH	6-10 s.u.		8.61					
BOD				25.0				
COD				23.0				
TDS				564.0				
TSS				4.8				
Arsenic	0.15			0.00072				
Cadmium	0.1			ND(<0.0005)				
Chromium	0.5			ND(<0.0005)				
Copper	0.5			0.0081				
Iron				0.32				
Lead	0.5			ND(<0.0005)				
Mercury	0.003			ND(<0.0002)				
Molybdenum				0.036				
Nickel	0.5			0.0021				
Selenium	0.25			ND(<0.0005)				
Silver	0.2			ND(<0.0005)				
Zinc	1.00			0.068				
Cyanide	0.2		0.0029					
Phenol	1.00		0.0030					
Ammonia	200		31					
O&G Petro/Min (E1664A w/ Silica)	100	16	ND(<5.0)					
O&G Animal/Vegetable Oil	300	22	ND(<5.0)					
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 2021-December 2021

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)	
10/1/2021	35.0	0.0	NO	27,654	0.1	0	NO		27,654
10/2/2021	36.0	0.0	NO	27,685	0.0	0	NO		27,685
10/3/2021	35.2	0.0	NO	28,462	0.0	0	NO		28,462
10/4/2021	35.9	0.0	NO	28,033	24.6	0	NO		28,033
10/5/2021	35.6	0.0	NO	24,501	0.0	0	NO		24,501
10/6/2021	91.9	14.0	NO	42,480	21.9	0	NO		42,480
10/7/2021	61.8	3.0	NO	32,347	20.0	0	NO	94	32,442
10/8/2021	34.2	0.0	NO	44,972	22.1	0	NO	292	45,263
10/9/2021	34.0	0.0	NO	34,931	0.0	0	NO		34,931
10/10/2021	34.5	0.0	NO	35,826	0.0	0	NO		35,826
10/11/2021	38.0	0.0	NO	40,049	20.3	0	NO	320	40,369
10/12/2021	35.2	0.0	NO	40,898	15.2	0	NO		40,898
10/13/2021	34.0	0.0	NO	24,583	22.7	0	NO	130	24,713
10/14/2021	31.4	0.0	NO	38,205	23.7	0	NO		38,205
10/15/2021	34.5	0.0	NO	37,496	0.1	0	NO		37,496
10/16/2021	34.6	0.0	NO	29,845	0.1	0	NO		29,845
10/17/2021	34.5	0.0	NO	43,446	0.1	0	NO		43,446
10/18/2021	34.5	0.0	NO	37,104	23.4	0	NO		37,104
10/19/2021	34.4	0.0	NO	24,546	0.0	0	NO		24,546
10/20/2021	34.6	0.0	NO	42,922	23.5	0	NO		42,922
10/21/2021	34.5	0.0	NO	41,650	22.9	0	NO	374	42,024
10/22/2021	34.5	0.0	NO	48,996	0.1	0	NO		48,996
10/23/2021	34.5	0.0	NO	42,754	23.6	0	NO		42,754
10/24/2021	34.5	0.0	NO	47,831	0.0	0	NO		47,831
10/25/2021	43.8	5.0	NO	48,910	0.0	0	NO		48,910
10/26/2021	34.5	0.0	NO	48,620	22.3	0	NO		48,620
10/27/2021	34.7	0.0	NO	42,675	22.8	0	NO		42,675
10/28/2021	34.5	0.0	NO	45,076	0.0	0	NO		45,076
10/29/2021	34.5	0.0	NO	43,816	21.9	0	NO		43,816
10/30/2021	34.8	0.0	NO	17,950	0.1	0	NO		17,950
10/31/2021	34.5	0.0	NO	14,905	22.9	0	NO		14,905

Max Daily Flow (Limit: 51,120):

48,996

Monthly Total:

1,130,378

11/1/2021	34.3	0.0	NO	1,030	0.0	0	NO		1,030
11/2/2021	34.2	0.0	NO	34,073	21.5	0	NO		34,073
11/3/2021	34.4	0.0	NO	38,252	22.9	0	NO	620	38,871
11/4/2021	34.5	0.0	NO	48,986	0.0	0	NO		48,986
11/5/2021	34.5	0.0	NO	23,217	23.5	0	NO	385	23,602
11/6/2021	34.7	0.0	NO	48,994	0.0	0	NO		48,994
11/7/2021	34.6	1.0	NO	48,967	0.0	1	NO		48,967
11/8/2021	34.5	0.0	NO	47,245	23.3	0	NO	381	47,626
11/9/2021	34.5	0.0	NO	27,002	0.1	0	NO		27,002
11/10/2021	34.3	0.0	NO	19,758	21.4	0	NO		19,758
11/11/2021	34.6	0.0	NO	23,001	0.0	0	NO		23,001
11/12/2021	34.6	0.0	NO	28,622	23.4	0	NO		28,622
11/13/2021	34.6	0.0	NO	44,149	0.1	0	NO		44,149
11/14/2021	34.8	0.0	NO	39,133	0.0	0	NO		39,133
11/15/2021	34.5	0.0	NO	31,614	21.6	0	NO		31,614
11/16/2021	34.6	0.0	NO	37,248	0.1	0	NO		37,248
11/17/2021	34.7	0.0	NO	15,772	21.5	0	NO	387	16,159
11/18/2021	34.6	0.0	NO	32,354	0.0	0	NO		32,354
11/19/2021	34.8	0.0	NO	36,555	0.0	0	NO		36,555

PG&E Gateway Generating Station

Discharge Flow Data

October 2021-December 2021

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)	
11/20/2021	34.5	0.0	NO	48,905	20.9	0	NO		48,905
11/21/2021	34.7	0.0	NO	35,078	22.2	0	NO	94	35,172
11/22/2021	34.4	0.0	NO	39,521	23.4	0	NO		39,521
11/23/2021	34.6	0.0	NO	40,909	0.0	0	NO		40,909
11/24/2021	34.6	0.0	NO	40,322	23.1	0	NO		40,322
11/25/2021	34.8	0.0	NO	35,312	0.0	0	NO		35,312
11/26/2021	34.7	0.0	NO	45,224	0.0	0	NO		45,224
11/27/2021	34.7	0.0	NO	21,981	0.0	0	NO		21,981
11/28/2021	34.6	0.0	NO	24,387	23.4	0	NO	371	24,758
11/29/2021	34.6	0.0	NO	48,993	0.0	0	NO		48,993
11/30/2021	34.5	0.0	NO	26,559	0.1	0	NO		26,559

Max Daily Flow (Limit: 51,120): 48,994

Monthly Total: 1,035,399

12/1/2021	34.7	0.0	NO	31,996	0.0	0	NO		31,996
12/2/2021	34.5	0.0	NO	48,617	24.5	0	NO		48,617
12/3/2021	34.4	0.0	NO	28,412	0.0	0	NO		28,412
12/4/2021	34.6	2.0	NO	24,687	23.7	4	NO		24,687
12/5/2021	34.6	0.0	NO	27,928	0.1	0	NO	3	27,932
12/6/2021	35.0	0.0	NO	25,787	0.0	0	NO		25,787
12/7/2021	34.6	0.0	NO	16,872	24.5	0	NO	375	17,247
12/8/2021	34.6	0.0	NO	25,073	22.6	0	NO	383	25,456
12/9/2021	34.7	0.0	NO	25,891	0.1	0	NO	4	25,895
12/10/2021	34.7	0.0	NO	35,423	0.0	0	NO	4	35,427
12/11/2021	34.8	0.0	NO	17,224	0.0	0	NO		17,224
12/12/2021	34.6	0.0	NO	29,468	23.6	0	NO		29,468
12/13/2021	34.7	0.0	NO	30,798	23.1	0	NO	366	31,164
12/14/2021	34.6	0.0	NO	20,595	0.0	0	NO		20,595
12/15/2021	34.5	0.0	NO	31,548	21.1	0	NO		31,548
12/16/2021	34.5	0.0	NO	25,772	0.1	0	NO		25,772
12/17/2021	34.8	0.0	NO	27,641	18.2	0	NO	396	28,037
12/18/2021	34.7	0.0	NO	26,719	0.0	0	NO		26,719
12/19/2021	34.8	0.0	NO	49,010	0.0	0	NO		49,010
12/20/2021	34.7	0.0	NO	40,496	21.1	0	NO		40,496
12/21/2021	34.8	0.0	NO	38,788	0.0	0	NO	3	38,791
12/22/2021	34.5	0.0	NO	21,315	7.0	0	NO		21,315
12/23/2021	35.0	0.0	NO	35,315	0.0	0	NO		35,315
12/24/2021	34.7	0.0	NO	37,321	0.0	0	NO		37,321
12/25/2021	34.8	0.0	NO	18,970	6.7	0	NO	400	19,370
12/26/2021	34.6	0.0	NO	35,580	0.0	0	NO		35,580
12/27/2021	34.4	0.0	NO	15,071	0.0	0	NO		15,071
12/28/2021	34.5	0.0	NO	22,382	5.5	0	NO	385	22,767
12/29/2021	34.8	0.0	NO	31,978	0.1	0	NO		31,978
12/30/2021	34.8	0.0	NO	38,484	8.1	0	NO		38,484
12/31/2021	34.7	0.0	NO	31,160	0.0	0	NO		31,160

Max Daily Flow (Limit: 51,120): 49,010

Monthly Total: 918,641

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: **2021**

Month	Flow (gallons)	Due Date
January		
February		
March		
April		
May		
June		
July		
August		
September		
October	1,130,378	1/15/2022
November	1,035,399	1/15/2022
December	918,641	1/15/2022

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 2021 to December 2021

WSAC Operation	
Month	Hours of Operation
January-21	
February-21	
March-21	
April-21	
May-21	
June-21	
July-21	
August-21	
September-21	
October-21	101.41
November-21	0.00
December-21	0.00

Attachment 7
Cycles of Concentration

PG&E Gateway Generating Station

WSAC Average Daily Blowdown Cycles Report
October 2021 to December 2021

WSAC Operation	
Month	Average Daily Blowdown Cycles
1/17/2020	
February-21	
March-21	
April-21	
May-21	
June-21	
July-21	
August-21	
September-21	
October-21	2.45
November-21	
December-21	

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: 2111D10

Report Created for: PG&E Gateway Generating Station

3225 Wilbur Avenue
Antioch, CA 94509

Project Contact: Angel Espiritu

Project P.O.:

Project: Quarterly Sampling (November 2021)

Project Received: 11/23/2021

Analytical Report reviewed & approved for release on 12/02/2021 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: 2111D10

Project: Quarterly Sampling (November 2021)

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
N/A	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

Glossary of Terms & Qualifier Definitions

Client: PG&E Gateway Generating Station

WorkOrder: 2111D10

Project: Quarterly Sampling (November 2021)

Quality Control Qualifiers

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



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 11/23/2021 12:05
Date Prepared: 11/30/2021
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
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	2111D10-001A	Water	11/22/2021 08:40	O&G	234345

Analytes	Result	RL	DF	Date Analyzed
SGT-HEM	16	5.3	1	12/01/2021 13:10

Analyst(s): HN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2111D10-001B	Water	11/23/2021 10:30	O&G	234345

Analytes	Result	RL	DF	Date Analyzed
SGT-HEM	ND	5.0	1	12/01/2021 13:15

Analyst(s): HN



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 11/23/2021 12:05
Date Prepared: 11/30/2021
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
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	2111D10-001A	Water	11/22/2021 08:40	O&G	234615

Analytes	Result	RL	DF	Date Analyzed
HEM	38	5.3	1	12/01/2021 12:35

Analyst(s): HN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Grab	2111D10-001B	Water	11/23/2021 10:30	O&G	234615

Analytes	Result	RL	DF	Date Analyzed
HEM	ND	5.0	1	12/01/2021 12:40

Analyst(s): HN



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 11/23/2021 12:05
Date Prepared: 11/24/2021
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
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 Comp	2111D10-001C	Water	11/23/2021 10:30	WC_SKALAR 112421A1_49	234346

Analytes	Result	RL	DE	Date Analyzed
Ammonia, total as N	31	1.0	10	11/24/2021 11:15

Analyst(s): RB



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 11/23/2021 12:05
Date Prepared: 11/24/2021
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
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	2111D10-001E	Water	11/23/2021 10:20	WetChem	234341

Analytes	Result	RL	DE	Date Analyzed
BOD	25	20	5	11/29/2021 13:00

Analyst(s): MGO



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 11/23/2021 12:05
Date Prepared: 11/30/2021
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
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 Comp	2111D10-001D	Water	11/23/2021 10:30	WC_SKALAR 11302021B1_44	234567

Analytes	Result	RL	DE	Date Analyzed
Total Cyanide	2.9	1.0	1	11/30/2021 15:13

Analyst(s): JN



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 11/23/2021 12:05
Date Prepared: 11/24/2021
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
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	2111D10-001F	Water	11/23/2021 10:20	SPECTROPHOTOMETER	234383

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
COD	23	10	1	11/24/2021 15:52

Analyst(s): NYG



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 11/23/2021 12:05
Date Prepared: 11/23/2021
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
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	2111D10-001J	Water	11/23/2021 10:20	AA1 _26	234235

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Mercury	ND	0.20	1	11/24/2021 15:15

Analyst(s): MIG



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 11/23/2021 12:05
Date Prepared: 11/23/2021
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
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	2111D10-001I	Water	11/23/2021 10:20	ICP-MS3 037SMPL.D	234280

Analytes	Result	RL	DE	Date Analyzed
Arsenic	0.72	0.50	1	11/24/2021 13:04
Cadmium	ND	0.50	1	11/24/2021 13:04
Chromium	ND	0.50	1	11/24/2021 13:04
Copper	8.1	1.5	1	11/24/2021 13:04
Iron	320	100	1	11/24/2021 13:04
Lead	ND	0.50	1	11/24/2021 13:04
Molybdenum	36	0.50	1	11/24/2021 13:04
Nickel	2.1	0.50	1	11/24/2021 13:04
Selenium	ND	0.50	1	11/24/2021 13:04
Silver	ND	0.50	1	11/24/2021 13:04
Zinc	68	20	1	11/24/2021 13:04

Surrogates	REC (%)	Limits	
Terbium	113	70-130	11/24/2021 13:04

Analyst(s): AL



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 11/23/2021 12:05
Date Prepared: 12/02/2021
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
Extraction Method: E420.4
Analytical Method: E420.4
Unit: µg/L

Phenolics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-001 Comp	2111D10-001C	Water	11/23/2021 10:30	WC_SKALAR 12022021C1_29	234746

Analytes	Result	RL	DE	Date Analyzed
Phenolics	3.0	2.0	1	12/02/2021 15:22

Analyst(s): JN



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 11/23/2021 12:05
Date Prepared: 11/23/2021
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
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	2111D10-001G	Water	11/23/2021 10:20	WetChem	234333

Analytes	Result	RL	DE	Date Analyzed
Total Dissolved Solids	564	10.0	1	11/24/2021 12:40

Analyst(s): NYG



Analytical Report

Client: PG&E Gateway Generating Station
Date Received: 11/23/2021 12:05
Date Prepared: 11/29/2021
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
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	2111D10-001H	Water	11/23/2021 10:20	WetChem	234451

Analytes	Result	RL	DE	Date Analyzed
Total Suspended Solids	4.80	2.00	2	11/29/2021 15:00

Analyst(s): MGO



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 11/24/2021
Date Analyzed: 11/24/2021
Instrument: O&G
Matrix: Water
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
BatchID: 234345
Extraction Method: E1664A_SG
Analytical Method: E1664A
Unit: mg/L
Sample ID: MB/LCS/LCSD-234345

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL			
SGT-HEM	ND	0.720	5.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
SGT-HEM	8.61	8.75	10.42	83	84	64-132	1.60	30



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 12/01/2021
Date Analyzed: 12/01/2021
Instrument: O&G
Matrix: Water
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
BatchID: 234615
Extraction Method: E1664A
Analytical Method: E1664A
Unit: mg/L
Sample ID: MB/LCS/LCSD-234615

QC Summary Report for E1664A

Analyte	MB Result	MDL	RL			
HEM	ND	1.30	5.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
HEM	17.6	18.2	20.83	85	87	78-114	3.10	30



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 11/24/2021
Date Analyzed: 11/24/2021
Instrument: WC_SKALAR
Matrix: Water
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
BatchID: 234346
Extraction Method: SM4500-NH3 BG
Analytical Method: SM4500-NH3 BG
Unit: mg/L
Sample ID: MB/LCS/LCSD-234346

QC Summary Report for SM4500-NH3

Analyte	MB Result	MDL	RL			
Ammonia, total as N	ND	0.0920	0.100	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Ammonia, total as N	3.92	3.96	4	98	99	88-113	1.10	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 11/24/2021
Date Analyzed: 11/29/2021
Instrument: WetChem
Matrix: Water
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
BatchID: 234341
Extraction Method: SM5210B
Analytical Method: SM5210 B
Unit: mg/L
Sample ID: MB/LCS/LCSD-234341

QC Summary Report for BOD

Analyte	MB Result	MDL	RL			
BOD	ND	4.00	4.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
BOD	210	175	198	106	88	80-120	18.4,F2	16



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 11/30/2021
Date Analyzed: 11/30/2021
Instrument: WC_SKALAR
Matrix: Water
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
BatchID: 234567
Extraction Method: SM4500-CN⁻ E
Analytical Method: SM4500-CN⁻ CE
Unit: µg/L
Sample ID: MB/LCS/LCSD-234567

QC Summary Report for SM4500-CN⁻ CE

Analyte	MB Result	MDL	RL			
Total Cyanide	ND	0.770	1.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Cyanide	41.6	43.0	40	104	108	90-110	3.35	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 11/24/2021
Date Analyzed: 11/24/2021
Instrument: SPECTROPHOTOMETER
Matrix: Water
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
BatchID: 234383
Extraction Method: SM5220 D-1997
Analytical Method: SM5220 D-1997
Unit: mg/L
Sample ID: MB/LCS/LCSD-234383

QC Summary Report for COD

Analyte	MB Result	MDL	RL			
COD	ND	7.20	10.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
COD	102	101	100	102	101	90-110	0.985	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 11/23/2021
Date Analyzed: 11/24/2021
Instrument: AA1
Matrix: Water
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
BatchID: 234235
Extraction Method: E245.2
Analytical Method: E245.2
Unit: µg/L
Sample ID: MB/LCS/LCSD-234235

QC Summary Report for Mercury

Analyte	MB Result	MDL	RL			
Mercury	ND	0.130	0.200	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Mercury	1.86	1.86	2	93	93	85-115	0.211	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 11/23/2021
Date Analyzed: 11/23/2021
Instrument: ICP-MS3
Matrix: Water
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
BatchID: 234280
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L
Sample ID: MB/LCS/LCSD-234280

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.100	0.500	-	-	-
Cadmium	ND	0.240	0.500	-	-	-
Chromium	ND	0.350	0.500	-	-	-
Copper	ND	0.660	1.50	-	-	-
Iron	ND	37.0	100	-	-	-
Lead	ND	0.270	0.500	-	-	-
Molybdenum	ND	0.180	0.500	-	-	-
Nickel	ND	0.270	0.500	-	-	-
Selenium	ND	0.170	0.500	-	-	-
Silver	ND	0.260	0.500	-	-	-
Zinc	ND	14.0	20.0	-	-	-

Surrogate Recovery

Terbium	515	500	103	70-130
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Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	50.2	49.9	50	100	100	85-115	0.580	20
Cadmium	49.3	48.9	50	99	98	85-115	0.815	20
Chromium	49.3	49.3	50	99	99	85-115	0.0406	20
Copper	50.6	50.3	50	101	101	85-115	0.654	20
Iron	4840	4820	5000	97	96	85-115	0.435	20
Lead	47.1	46.9	50	94	94	85-115	0.447	20
Molybdenum	47.1	46.0	50	94	92	85-115	2.34	20
Nickel	50.1	50.0	50	100	100	85-115	0.280	20
Selenium	50.2	50.6	50	100	101	85-115	0.694	20
Silver	46.5	46.7	50	93	93	85-115	0.365	20
Zinc	507	506	500	101	101	85-115	0.0395	20

Surrogate Recovery

Terbium	511	517	500	102	103	70-130	1.11	20
---------	-----	-----	-----	-----	-----	--------	------	----



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 12/02/2021
Date Analyzed: 12/02/2021
Instrument: WC_SKALAR
Matrix: Water
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
BatchID: 234746
Extraction Method: E420.4
Analytical Method: E420.4
Unit: µg/L
Sample ID: MB/LCS/LCSD-234746

QC Summary Report for E420.4

Analyte	MB Result	MDL	RL			
Phenolics	ND	1.30	2.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Phenolics	38.6	41.5	40	96	104	80-120	7.41	20



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 11/23/2021
Date Analyzed: 11/24/2021 - 11/29/2021
Instrument: WetChem
Matrix: Water
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
BatchID: 234333
Extraction Method: SM2540 C-1997
Analytical Method: SM2540 C-1997
Unit: mg/L
Sample ID: MB/LCS/LCSD-234333

QC Summary Report for Total Dissolved Solids

Analyte	MB Result	MDL	RL			
Total Dissolved Solids	ND	10.0	10.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Dissolved Solids	1050	1060	1000	105	106	80-120	1.33	10



Quality Control Report

Client: PG&E Gateway Generating Station
Date Prepared: 11/29/2021
Date Analyzed: 11/29/2021
Instrument: WetChem
Matrix: Water
Project: Quarterly Sampling (November 2021)

WorkOrder: 2111D10
BatchID: 234451
Extraction Method: SM2540 D-1997
Analytical Method: SM2540 D-1997
Unit: mg/L
Sample ID: MB/LCS/LCSD-234451

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	85.0	93.0	100	85	93	80-120	8.99	10



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

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2111D10

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@p
PO:
Project: Quarterly Sampling (November 2021)

Bill to:

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

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

Date Received: 11/23/2021**Date Logged: 11/23/2021**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2111D10-001	E-001 Comp	Water	11/23/2021 10:20	<input type="checkbox"/>				E		F	J	I		E	G	H
2111D10-001	E-001 Comp	Water	11/23/2021 10:30	<input type="checkbox"/>			C		D				C			
2111D10-001	E-001 Grab	Water	11/22/2021 08:40	<input type="checkbox"/>	A	A								A		
2111D10-001	E-001 Grab	Water	11/23/2021 10:30	<input type="checkbox"/>	B	B								B		

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: 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 (November 2021)

Work Order: 2111D10

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 11/23/2021

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
001A	E-001 Grab	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	2	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	11/22/2021 8:40	5 days	12/2/2021	None	<input type="checkbox"/>	
			E1664A (SGT- HEM; Non-polar Material)			<input type="checkbox"/>	<input type="checkbox"/>		5 days	12/2/2021	None	<input type="checkbox"/>	
001B	E-001 Grab	Water	E1664A (HEM; Oil & Grease w/o S.G. Clean-Up)	2	1LA w/ HCl	<input type="checkbox"/>	<input type="checkbox"/>	11/23/2021 10:30	5 days	12/2/2021	None	<input type="checkbox"/>	
			E1664A (SGT- HEM; Non-polar Material)			<input type="checkbox"/>	<input type="checkbox"/>		5 days	12/2/2021	None	<input type="checkbox"/>	
001C	E-001 Comp	Water	E420.4 (Phenolics)	1	500mL aG w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	11/23/2021 10:30	5 days	12/2/2021	None	<input type="checkbox"/>	
			SM4500-NH3 BG (Ammonia Nitrogen)			<input type="checkbox"/>	<input type="checkbox"/>		5 days	12/2/2021	None	<input type="checkbox"/>	
001D	E-001 Comp	Water	SM4500-CN ⁻ CE (Cyanide, Total)	1	250mL aHDPE w/ NaOH	<input type="checkbox"/>	<input type="checkbox"/>	11/23/2021 10:30	5 days	12/2/2021	None	<input type="checkbox"/>	
001E	E-001 Comp	Water	SM5210B (BOD)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	11/23/2021 10:20	7 days	12/6/2021	None	<input type="checkbox"/>	
001F	E-001 Comp	Water	SM5220D (COD)	2	aVOA w/ H2SO4	<input type="checkbox"/>	<input type="checkbox"/>	11/23/2021 10:20	5 days	12/2/2021	None	<input type="checkbox"/>	
001G	E-001 Comp	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	11/23/2021 10:20	5 days	12/2/2021	None	<input type="checkbox"/>	
001H	E-001 Comp	Water	SM2540D (TSS)	1	1L HDPE, unprsv.	<input type="checkbox"/>	<input type="checkbox"/>	11/23/2021 10:20	5 days	12/2/2021	None	<input type="checkbox"/>	
001I	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"/>	11/23/2021 10:20	5 days	12/2/2021	None	<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 exclude any material from the sample prior to sample preparation unless requested in writing by the client.



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

WORK ORDER SUMMARY

Client Name: PG&E GATEWAY GENERATING STATION

Project: Quarterly Sampling (November 2021)

Work Order: 2111D10

Client Contact: Angel Espiritu

QC Level: LEVEL 2

Contact's Email: abe4@pge.com

Comments:

Date Logged: 11/23/2021

☐ WaterTrax

☐ WriteOn

☐ EDF

☐ Excel

☐ EQUIS

☒ Email

☐ HardCopy

☐ ThirdParty

☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
001J	E-001 Comp	Water	E245.2 (Mercury)	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	11/23/2021 10:20	5 days	12/2/2021	None	<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 exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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PITTSBURG, CA 94565-1701Website: 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 DAYGeoTracker 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: 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 (November 20 21)

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 ABC	Metals by 200.8 Selenium	Oil/Grease and with	Total Ph	Ammonia	Mercury	Metals (copper, lead, molybdenum)	BOD (5)	COD (5)	TDS (5)	TSS (5)
			Date	Time			Waste Water	Sewer Water	None	ICF	H ₂ SO ₄	NaOH	HCL	HNO ₃	Other											
E-001		G	11/23/21	08:40	2	1L Amb	X			X			X				X									
E-001		G	11/23/21	10:30	2	1L Amb	X			X			X				X									
E-001		G	11/23/21	10:30	1	500ml Amb	X			X	X							X	X							
E-001		G	11/23/21	10:30	1	250-ml Poly	X			X		X			X											
E-001		C	11/23/21	10:20	1	1L Poly	X		X	X												X				
E-001		C	11/23/21	10:20	2	43-ml VOA	X			X	X												X			
E-001		C	11/23/21	10:20	1	500-ml poly	X		X	X														X		
E-001		C	11/23/21	10:20	1	1L poly	X		X	X															X	
E-001		C	11/23/21	10:20	1	250-ml Poly	X			X				X					X							
E-001		C	11/23/21	10:20	1	250-ml poly	X			X				X							X					

Relinquished By:

Date:

Time:

Received By:

Relinquished By:

Date:

Time:

Received By:

Relinquished By:

Date:

Time:

Received By:

ICE/r

GOOD CONDITION

HEAD SPACE ABSENT

DECHLORINATED IN LAB

APPROPRIATE CONTAINERS

PRESERVED IN LAB

COMMENTS:

VOAS O&G METALS OTHER
PRESERVATION pH<2



Sample Receipt Checklist

Client Name: **PG&E Gateway Generating Station**
Project: **Quarterly Sampling (November 2021)**

Date and Time Received: **11/23/2021 12:05**

Date Logged: **11/23/2021**

Received by: **Tina Perez**

Logged by: **Valerie Alfaro**

WorkOrder No: **2111D10** Matrix: Water

Carrier: Client Drop-In

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

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

(Ice Type: WET ICE)

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



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Analytical Report

WorkOrder: 2111D12

Report Created for: Muskan Environmental Services

1828 Nelda Ct.
Yuba City, CA 95993

Project Contact: Sanjiv Gil

Project P.O.:

Project: pH Sampling (November 2021)

Project Received: 11/23/2021

Analytical Report reviewed & approved for release on 12/01/2021 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: Muskan Environmental Services

Project: pH Sampling (November 2021)

WorkOrder: 2111D12

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
N/A	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: Muskan Environmental Services

Project: pH Sampling (November 2021)

WorkOrder: 2111D12

Analytical Qualifiers

H Samples were analyzed out of hold time



Analytical Report

Client: Muskan Environmental Services
Date Received: 11/23/2021 12:01
Date Prepared: 11/23/2021
Project: pH Sampling (November 2021)

WorkOrder: 2111D12
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	2111D12-001A	Water	11/22/2021 08:55	WetChem	234313

Analytes	Result	Qualifiers	Accuracy	DE	Date Analyzed
pH	8.61	H	±0.05	1	11/23/2021 19:00

Analyst(s): JRA



Quality Control Report

Client: Muskan Environmental Services
Date Prepared: 11/23/2021
Date Analyzed: 11/23/2021
Instrument: WetChem
Matrix: Water
Project: pH Sampling (November 2021)

WorkOrder: 2111D12
BatchID: 234313
Extraction Method: SM4500H+B-2000
Analytical Method: SM4500H+B
Unit: pH units @ 25°C
Sample ID: CCV-234313

QC Summary Report for pH

Analyte	CCV Result	CCV Limits
pH	7.05	6.9-7.1



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(925) 252-9262

☐ WaterTrax

☐ CLIP

☐ EDF

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2111D12

ClientCode: MES

☐ EQuIS

☐ Dry-Weight

☒ Email

☐ HardCopy

☐ ThirdParty

☐ J-flag

☐ Detection Summary

☐ Excel

Report to:

Sanjiv Gil
Muskan Environmental Services
1828 Nelda Ct.
Yuba City, CA 95993
(408) 666-4494 FAX: (530) 660-1814

Email: sanjivgill@comcast.net
cc/3rd Party:
PO:
Project: pH Sampling (November 2021)

Bill to:

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

Requested TAT: 5 days;

Date Received: 11/23/2021

Date Logged: 11/23/2021

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2111D12-001	E-001	Water	11/22/2021 08:55	<input type="checkbox"/>	A	A										

Test Legend:

1	PH_W_SANJIV
5	
9	

2	PRDisposal Fee
6	
10	

3	
7	
11	

4	
8	
12	

Prepared by: Valerie Alfaro

Comments:

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



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WORK ORDER SUMMARY

Client Name: MUSKAN ENVIRONMENTAL SERVICES

Project: pH Sampling (November 2021)

Work Order: 2111D12

Client Contact: Sanjiv Gil

QC Level: LEVEL 2

Contact's Email: sanjivgill@comcast.net

Comments:

Date Logged: 11/23/2021

☐ WaterTrax

☐ WriteOn

☐ EDF

☐ Excel

☐ EQUIS

☒ Email

☐ HardCopy

☐ ThirdParty

☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
001A	E-001	Water	SM4500H+B (Field pH)	0	<NOT RECEIVED>	<input type="checkbox"/>	<input type="checkbox"/>	11/22/2021 8:55	5 days	12/2/2021		<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 exclude any material from the sample prior to sample preparation unless requested in writing by the client.

Logbook for Field pH Samples

Ph&E Gateway

[Handwritten signature]



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Client supplied pH data

Client Name: **Muskan Environmental Services**
Project: **pH Sampling (November 2021)**

WorkOrder No: **2111D12**

SampleID	ClientSampleID	pH
2111D12-001A	E-001	8.61 [analyzed: 11/22/2021 8:55:02 AM]



Sample Receipt Checklist

Client Name: **Muskan Environmental Services**
Project: **pH Sampling (November 2021)**

Date and Time Received: **11/23/2021 12:01**

Date Logged: **11/23/2021**

Received by: **Tina Perez**

Logged by: **Valerie Alfaro**

WorkOrder No: **2111D12** 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 checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

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

UCMR Samples:

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

Comments:

Gateway Generating Station
(00-AFC-1C)

Annual Compliance Report No. 13

Exhibit 4b
Notice of Violation/Corrective Action
(Condition of Certification SOIL&WATER-4)

There was no NOV issued to PG&E GGS during RY 2021.

Gateway Generating Station
(00-AFC-1C)

Annual Compliance Report No. 13

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 02/22/2021

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 2/22/2021 5:07 PM				
						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.
Combustible Liquid, Class III-B	Lubricating Oil	Gallons	432	12	432			1-DECENE, HOMOPOLYMER, HYDROGENATED	95 %	68037-01-4
	CAS No	State	Storage Container		Pressue					
		Liquid	Other		Ambient	Waste Code				
	Map: Figure 2 Grid: C3	Type			Temperature					
		Mixture	Days on Site: 365		> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location	CERS ID	10018894
Facility Name	PG&E GATEWAY GENERATING STATION	Alternate Feed Transformer	Facility ID	07-000-773723
	3225 Wilbur Ave, Antioch 94509		Status	Submitted on 2/22/2021 5:07 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)			
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS	CAS No.
Combustible Liquid, Class III-B	Mineral Oil	Gallons	656	656	656			Dielectric Oil (Highly Refined Petro 100 % Oil)	100 %		
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>						
		Liquid	Other		Ambient	<u>Waste Code</u>					
	Map: Figure 2 Grid: D6	<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	Ammonia and Scavenger Feed Skid	Facility ID	07-000-773723
	3225 Wilbur Ave, Antioch 94509		Status	Submitted on 2/22/2021 5:07 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
Corrosive	NALCO 5711	Gallons	400	400	400		- Physical	AMMONIA	15 %	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Corrosive To	MEA	8 %	
		<u>Liquid</u>	Plastic/Non-metalic Drum		<u>Ambient</u>		Metal			
	Map: Figure 2 Grid: C4	<u>Type</u>			<u>Temperature</u>		- Health Skin			
		<u>Mixture</u>	Days on Site: 365		<u>Ambient</u>		Corrosion			
							Irritation			
							- Health			
							Respiratory Skin			
							Sensitization			
							- Health Serious			
							Eye Damage Eye			
							Irritation			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location								CERS ID	10018894
Facility Name	PG&E GATEWAY GENERATING STATION	Aqueous Ammonia Storage Tank							Facility ID	07-000-773723	
3225 Wilbur Ave, Antioch 94509									Status	Submitted on 2/22/2021 5:07 PM	
						Annual	Hazardous Components				
						Waste	Federal Hazard	(For mixture only)			
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Amount	Categories	Component Name	% Wt	EHS CAS No.	
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 2/22/2021 5:07 PM		
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 2.1 - Flammable Gases	Acetylene, Compressed	Cu. Feet	1740	145	1740		- Physical	Acetylene	100 %	74-86-2
Flammable Gas	CAS No 74-86-2 Map: Figure 2 Grid: B4	State Gas Type Pure	Storage Container Cylinder Days on Site: 365		Pressue > Ambient Temperature Ambient	Waste Code	Flammable - Physical Gas Under Pressure - Health Simple Asphyxiant - Health Hazard Not Otherwise Classified			
DOT: 2.1 - Flammable Gases	Propane, Compressed	Gallons	111	9.6	74		- Physical	Propane	100 %	74-98-6
Flammable Gas	CAS No 74-98-6 Map: Figure 2 Grid: B4	State Liquid Type Pure	Storage Container Cylinder Days on Site: 365		Pressue > Ambient Temperature Ambient	Waste Code	Flammable - Physical Gas Under Pressure - Health Simple Asphyxiant - Health Hazard Not Otherwise Classified			
	Shell Turbo Oil DR46	Gallons	110	55	110			Highly Refined Petroleum Oil	99 %	
Combustible Liquid, Class III-B	CAS No Map: Figure 2 Grid: C4	State Liquid Type Mixture	Storage Container Steel Drum Days on Site: 365		Pressue Ambient Temperature Ambient	Waste Code		Proprietary Additives	1 %	

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E				Chemical Location	CERS ID	10018894				
Facility Name	PG&E GATEWAY GENERATING STATION				Carbon Dioxide Bulk Storage	Facility ID	07-000-773723				
	3225 Wilbur Ave, Antioch 94509					Status	Submitted on 2/22/2021 5:07 PM				
					Annual Waste Amount	Hazardous Components (For mixture only)					
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Federal Hazard Categories	Component Name			% Wt	EHS CAS No.
DOT: 2.2 - Nonflammable Gases	Carbon Dioxide, Liquid	Gallons	Max. Daily	Largest Cont.	Avg. Daily	- Physical Gas	Carbon Dioxide	100 %	124-38-9		
	CAS No	State	Storage Container			Pressue	Under Pressure				
	124-38-9	Liquid	Aboveground Tank			> Ambient	- Health Simple				
	Map: Figure 2 Grid: D2	Type				Temperature	Asphyxiant				
		Pure	Days on Site: 365			Ambient	- Health Hazard				
							Not Otherwise Classified				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location	CERS ID	10018894
Facility Name	PG&E GATEWAY GENERATING STATION	Combustion Turbine-A	Facility ID	07-000-773723
	3225 Wilbur Ave, Antioch 94509		Status	Submitted on 2/22/2021 5:07 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 2.2 - Nonflammable Gases	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 2/22/2021 5:07 PM				
						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.
Combustible Liquid, Class III-B	Shell Turbo Oil T 32	Gallons	6000	6000	6000			Highly Refined Petroleum Oil	99 %	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>		Proprietary Additives	5 %	
		Liquid	Other		Ambient					
	Map: Figure 2 Grid: C6	<u>Type</u>			<u>Temperature</u>					
		Mixture	Days on Site: 365		> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E				Chemical Location	CERS ID	10018894		
Facility Name	PG&E GATEWAY GENERATING STATION				Combustion Turbine-B	Facility ID	07-000-773723		
	3225 Wilbur Ave, Antioch 94509					Status	Submitted on 2/22/2021 5:07 PM		
					Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities				Component Name	% Wt	EHS CAS No.
			Max. Daily	Largest Cont.	Avg. Daily				
DOT: 2.2 - Nonflammable Gases	Carbon Dioxide, Liquid	Gallons	2326	2326	2326	- Physical Gas	Carbon Dioxide	100 %	124-38-9
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure		
	124-38-9	Liquid	Aboveground Tank		> Ambient		- Health Simple		
	Map: Figure 2 Grid: B5	Type			Temperature		Asphyxiant		
		Pure	Days on Site: 365		Ambient		- Health Hazard		
							Not Otherwise Classified		

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. PG&E		Chemical Location				CERS ID 10018894					
Facility Name PG&E GATEWAY GENERATING STATION		Combustion Turbine-B Lube Oil Reservoir				Facility ID 07-000-773723					
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/22/2021 5:07 PM					
						Annual Waste		Hazardous Components			
						Amount		(For mixture only)			
DOT Code/Fire Haz. Class		Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Federal Hazard Categories	Component Name	% Wt	EHS CAS No.	
Combustible Liquid, Class III-B		Shell Turbo Oil T 32	Gallons	6000	6000	6000		Highly Refined Petroleum Oil	99 %		
		<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Proprietary Additives	5 %		
			Liquid	Other		Ambient					
		Map: Figure 2 Grid: C5	<u>Type</u>			<u>Temperature</u>					
			Mixture	Days on Site: 365		> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. PG&E		Chemical Location				CERS ID 10018894					
Facility Name PG&E GATEWAY GENERATING STATION		Construction Power Transformer				Facility ID 07-000-773723					
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/22/2021 5:07 PM					
						Hazardous Components (For mixture only)					
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS	CAS No.
	Mineral Oil	Gallons	Max. Daily 390	Largest Cont. 390	Avg. Daily 390			Dielectric Oil (highly refined petroleum oil)	100 %		
	CAS No	State	Storage Container		Pressue						
		Liquid	Other		Ambient	Waste Code					
Combustible Liquid, Class III-B	Map: Figure 2 Grid: B6	Type				Temperature					
		Mixture	Days on Site: 365			> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. PG&E		Chemical Location				CERS ID 10018894				
Facility Name PG&E GATEWAY GENERATING STATION		Construction Trailer Transformer				Facility ID 07-000-773723				
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/22/2021 5:07 PM				
						Hazardous Components (For mixture only)				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
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>				
	Map: Figure 2 Grid: C8	<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 A - PEEC and CT B - PEEC	Facility ID	07-000-773723
	3225 Wilbur Ave, Antioch 94509		Status	Submitted on 2/22/2021 5:07 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	AlphaCell OPzS Stationary Flooded Tubular Lead Acid	Gallons	357	3	357		- Physical	Lead, Lead Compounds	62 %	7439-92-1
		<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>		Explosive			
Corrosive, Water Reactive, Class 2	Battery	Liquid	Other		Ambient	<u>Waste Code</u>	- Physical	Sulfuric Acid	7 %	✓ 7664-93-9
		<u>Type</u>			<u>Temperature</u>		Corrosive To Metal			
	<u>CAS No</u>	Mixture	Days on Site: 365		Ambient		- Health			
	Map: Figure 2 Grid: C6, C5						Carcinogenicity			
							- Health Acute			
							Toxicity			
							- Health			
							Reproductive			
							Toxicity			
							- Health Skin			
							Corrosion			
							Irritation			
							- Health			
							Respiratory Skin			
							Sensitization			
							- Health Serious			
							Eye Damage Eye			
							Irritation			
							- Health Specific			
							Target Organ			
							Toxicity			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location	CERS ID	10018894
Facility Name	PG&E GATEWAY GENERATING STATION	CT-A Auxiliary Transformer	Facility ID	07-000-773723
	3225 Wilbur Ave, Antioch 94509		Status	Submitted on 2/22/2021 5:07 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
Combustible Liquid, Class III-B	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>				
	Map: Figure 2 Grid: C6	<u>Type</u>			<u>Temperature</u>					
		Mixture	Days on Site: 365		> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location	CERS ID	10018894
Facility Name	PG&E GATEWAY GENERATING STATION	CT-A Excitation Transformer	Facility ID	07-000-773723
	3225 Wilbur Ave, Antioch 94509		Status	Submitted on 2/22/2021 5:07 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
Combustible Liquid, Class III-B	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>				
	Map: Figure 2 Grid: C6	<u>Type</u>			<u>Temperature</u>					
		Mixture	Days on Site: 365		> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location	CERS ID	10018894
Facility Name	PG&E GATEWAY GENERATING STATION	CT-A Isolation Transformer	Facility ID	07-000-773723
	3225 Wilbur Ave, Antioch 94509		Status	Submitted on 2/22/2021 5:07 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
Combustible Liquid, Class III-B	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>				
	Map: Figure 2 Grid: C6	<u>Type</u>			<u>Temperature</u>					
		Mixture	Days on Site: 365		> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. PG&E		Chemical Location				CERS ID 10018894				
Facility Name PG&E GATEWAY GENERATING STATION		CT-A Main Step-Up Transformer				Facility ID 07-000-773723				
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/22/2021 5:07 PM				
						Hazardous Components (For mixture only)				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities		Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS	CAS No.
	Mineral Oil	Gallons	Max. Daily 12800	Largest Cont. 12800	Avg. Daily 12800		Dielectric Oil (highly refined petroleum oil)	100 %		
	CAS No	State	Storage Container		Pressue					
		Liquid	Other		Ambient	Waste Code				
Combustible Liquid, Class III-B	Map: Figure 2 Grid: C6	Type			Temperature					
		Mixture	Days on Site: 365		> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location	CERS ID	10018894
Facility Name	PG&E GATEWAY GENERATING STATION	CT-B Auxiliary Transformer	Facility ID	07-000-773723
	3225 Wilbur Ave, Antioch 94509		Status	Submitted on 2/22/2021 5:07 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)			
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS	CAS No.
Combustible Liquid, Class III-B	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>					
	Map: Figure 2 Grid: C5	<u>Type</u>			<u>Temperature</u>						
		Mixture	Days on Site: 365		> Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location	CERS ID	10018894
Facility Name	PG&E GATEWAY GENERATING STATION	CT-B Excitation Transformer	Facility ID	07-000-773723
	3225 Wilbur Ave, Antioch 94509		Status	Submitted on 2/22/2021 5:07 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
Combustible Liquid, Class III-B	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>				
	Map: Figure 2 Grid: C5	<u>Type</u>			<u>Temperature</u>					
		Mixture	Days on Site: 365		> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. PG&E		Chemical Location				CERS ID 10018894				
Facility Name PG&E GATEWAY GENERATING STATION		CT-B Isolation Transformer				Facility ID 07-000-773723				
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/22/2021 5:07 PM				
						Hazardous Components (For mixture only)				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
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>				
	Map: Figure 2 Grid: C5	<u>Type</u>			<u>Temperature</u>					
		Mixture	Days on Site: 365		> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location					CERS ID	10018894			
Facility Name	PG&E GATEWAY GENERATING STATION		CT-B Main Step-Up Transformer				Facility ID	07-000-773723			
	3225 Wilbur Ave, Antioch 94509						Status	Submitted on 2/22/2021 5:07 PM			
			Quantities			Annual Waste	Hazardous Components				
						Federal Hazard	(For mixture only)				
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Amount	Categories	Component Name	% Wt	EHS	CAS No.
Combustible Liquid, Class III-B	Mineral Oil	Gallons	12800	12800	12800			Dielectric Oil (highly refined	100 %		
	CAS No	State	Storage Container		Pressue			petroleum oil)			
		Liquid	Other		Ambient	Waste Code					
	Map: Figure 2	Grid: C5	Type			Temperature					
			Mixture	Days on Site: 365		> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

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 2/22/2021 5:07 PM			
					Annual Waste Amount	Hazardous Components (For mixture only)				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Federal Hazard Categories				
			Max. Daily	Largest Cont.	Avg. Daily		Component Name	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases	Helium, Compressed	Cu. Feet	1168	292	1168	- Physical Gas	Helium	100 %		7440-59-7
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure			
	7440-59-7	Gas	Cylinder		> Ambient		- Health Simple			
	Map: Figure 2	Type			Temperature		Asphyxiant			
	Grid: D4	Pure	Days on Site: 365		Ambient		- Health Hazard			
							Not Otherwise Classified			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. PG&E		Chemical Location				CERS ID 10018894				
Facility Name PG&E GATEWAY GENERATING STATION		Hazardous Mat/Waste Storage (M9)-Warehouse				Facility ID 07-000-773723				
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/22/2021 5:07 PM				
						Hazardous Components				
						(For mixture only)				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 4.1 - Flammable Solids	Waste Flammable Solids, Organic	Pounds	100	500	66	250	- Physical	Flammable Solid, Organic	100 %	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Flammable			
Flammable Solid		Solid	Steel Drum		Ambient	352				
	Grid: B8, C3	<u>Type</u>			<u>Temperature</u>					
		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 2/22/2021 5:07 PM			
						Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities					Component Name	% Wt	EHS CAS No.	
	Non-RCRA Mixed Oil	Gallons	40	55	26	40		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	1600	500	1056	3570					
	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	37	30	25	101	- 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			HRSGs (Heat Recovery Steam Generators) - A and B				Facility ID	07-000-773723		
3225 Wilbur Ave, Antioch 94509							Status	Submitted on 2/22/2021 5:07 PM		
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 2.2 - Nonflammable Gases	Argon, Compressed Gas	Cu. Feet	1344	336	1344		- Physical Gas Under Pressure - Health Simple Asphyxiant - Health Hazard Not Otherwise Classified	Argon	100 %	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		Gas	Cylinder		> Ambient					
	Map: Figure 2 Grid: B5	<u>Type</u>			<u>Temperature</u>					
		Pure	Days on Site: 365		Ambient					
DOT: 2.2 - Nonflammable Gases	EPA Protocol Gas (Carbon Monoxide/Nitrogen Mixture)	Cu. Feet	1440	144	1440		- Physical Gas Under Pressure - Health Simple Asphyxiant	Nitrogen Carbon Monoxide	88 % 13 %	7727-37-9 630-08-0
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		Gas	Cylinder		> Ambient					
	Map: Figure 2 Grid: B5	<u>Type</u>			<u>Temperature</u>					
		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 Under Pressure - Health Simple Asphyxiant	Nitrogen Nitric Oxide Carbon Monoxide	99 % 1 % 10 %	7727-37-9 10102-43-9 630-08-0
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		Gas	Cylinder		> Ambient					
	Map: Figure 2 Grid: B5	<u>Type</u>			<u>Temperature</u>					
		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 Under Pressure - Health Simple Asphyxiant	Nitrogen Nitric Oxide Carbon Monoxide	99 % 1 % 20 %	7727-37-9 10102-43-9 630-08-0
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		Gas	Cylinder		> Ambient					
	Map: Figure 2 Grid: B5	<u>Type</u>			<u>Temperature</u>					
		Mixture	Days on Site: 365		Ambient					
DOT: 2.2 - Nonflammable Gases	EPA Protocol Gas Nitric/Nitrogen Mixture	Cu. Feet	576	144	576		- Physical Gas Under Pressure - Health Simple Asphyxiant	Nitrogen Nitric Oxide	99 % 2 %	7727-37-9 10102-43-9
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		Gas	Cylinder		> Ambient					
	Map: Figure 2 Grid: B5	<u>Type</u>			<u>Temperature</u>					
		Mixture	Days on Site: 365		Ambient					
DOT: 2.2 - Nonflammable Gases	EPA Protocol Gas Nitrogen/Oxygen Mixture	Cu. Feet	1152	144	1152		- Physical Gas Under Pressure - Health Simple Asphyxiant	Nitrogen Oxygen	99 % 20 %	7727-37-9 7782-44-7
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		Gas	Cylinder		> Ambient					
	Map: Figure 2 Grid: B5	<u>Type</u>			<u>Temperature</u>					
		Mixture	Days on Site: 365		Ambient					
DOT: 2.2 - Nonflammable Gases	Helium, Compressed	Cu. Feet	1344	336	1344		- Physical Gas Under Pressure - Health Simple Asphyxiant - Health Hazard Not Otherwise Classified	Helium	100 %	7440-59-7
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
	7440-59-7	Gas	Cylinder		> Ambient					
	Map: Figure 2 Grid: B5	<u>Type</u>			<u>Temperature</u>					
		Pure	Days on Site: 365		Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location					CERS ID	10018894		
Facility Name	PG&E GATEWAY GENERATING STATION		HRSGs (Heat Recovery Steam Generators) - A and B				Facility ID	07-000-773723		
	3225 Wilbur Ave, Antioch 94509						Status	Submitted on 2/22/2021 5:07 PM		
			Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 2.2 - Nonflammable Gases	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 2/22/2021 5:07 PM			
					Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities					Component Name	% Wt	EHS CAS No.
			Max. Daily	Largest Cont.	Avg. Daily					
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 2/22/2021 5:07 PM			
						Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)			
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Quantities Largest Cont.	Avg. Daily			Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases	Hydrogen, Compressed	Cu. Feet	134000	134000	134000		- Physical	Hydrogen	100 %		1333-74-0
Flammable Gas	CAS No	State	Storage Container		Pressue	Waste Code	Flammable				
	1333-74-0	Gas	Other		> Ambient		- Physical Gas				
	Map: Figure 2	Type			Temperature		Under Pressure				
	Grid: D1	Pure	Days on Site: 365		Ambient		- Health Simple				
							Asphyxiant				
							- Health Hazard				
							Not Otherwise				
							Classified				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location	CERS ID	10018894
Facility Name	PG&E GATEWAY GENERATING STATION	Nitrogen Bulk Storage	Facility ID	07-000-773723
	3225 Wilbur Ave, Antioch 94509		Status	Submitted on 2/22/2021 5:07 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 2.2 - Nonflammable Gases	Nitrogen, Compressed	Cu. Feet	10944	304	10944		- Physical Gas	Nitrogen	100 %	7727-37-9
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Under Pressure			
	7727-37-9	Gas	Cylinder		> Ambient		- Health Simple			
	Map: Figure 2 Grid: D2	<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	Phosphate Feed Skid	Facility ID	07-000-773723
	3225 Wilbur Ave, Antioch 94509		Status	Submitted on 2/22/2021 5:07 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)			
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS	CAS No.
	NALCO BT-3400	Gallons	400	400	400		- Health Skin	Sodium Hydroxide	5 %		1310-73-2
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Corrosion	Proprietary	99 %		
		<u>Liquid</u>	Tote Bin		<u>Ambient</u>		Irritation				
	Map: Figure 2 Grid: B4	<u>Type</u>			<u>Temperature</u>		- Health Serious				
		<u>Mixture</u>	Days on Site: 365		<u>Ambient</u>		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 2/22/2021 5:07 PM					
					Annual Waste				Hazardous Components				
					Amount				(For mixture only)				
DOT Code/Fire Haz. Class		Common Name		Unit	Quantities		Federal Hazard		Component Name		% Wt	EHS	CAS No.
					Max. Daily	Largest Cont.	Avg. Daily	Categories					
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	- Physical	Sulfuric Acid	44 %	✓	7664-93-9
				Type			Temperature		Corrosive To	Lead Dioxide	21 %		1309-60-0
		Map: Figure 2 Grid: B4		Mixture	Days on Site: 365		Ambient		Metal				
									- Health				
									Carcinogenicity				
									- Health Acute				
									Toxicity				
									- Health				
									Reproductive				
									Toxicity				
									- Health Skin				
									Corrosion				
									Irritation				
									- Health				
									Respiratory Skin				
									Sensitization				
									- Health Serious				
									Eye Damage Eye				
									Irritation				
									- Health Specific				
									Target Organ				
									Toxicity				

Hazardous Materials And Wastes Inventory Matrix Report

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 2/22/2021 5:07 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	Sodium Bisulfite	Gallons	50	50	50		- Health Skin	Sodium Bisulfite	20 %	763-90-5
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Corrosion			
		Liquid	Tank Inside Building		Ambient		Irritation			
	Map: Figure 2 Grid: C2	<u>Type</u>			<u>Temperature</u>		- Health Serious			
		Mixture	Days on Site: 365		Ambient		Eye Damage Eye			
							Irritation			
							- Health Specific			
							Target Organ			
							Toxicity			
	Sodium Hydroxide	Gallons	75	75	75		- Physical	SODIUM HYDROXIDE	100 %	1310-73-2
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Corrosive To			
Corrosive		Liquid	Aboveground Tank		Ambient		Metal			
	Map: Figure 2 Grid: C2	<u>Type</u>			<u>Temperature</u>		- Health Skin			
		Pure	Days on Site: 365		Ambient		Corrosion			
							Irritation			
							- Health Serious			
							Eye Damage Eye			
							Irritation			

Hazardous Materials And Wastes Inventory Matrix Report

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 2/22/2021 5:07 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 2.2 - Nonflammable Gases	SF6	Cu. Feet	2043	639	2043		- Physical Gas	Sulfur Hexafluoride	100 %	2551-62-4
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Under Pressure			
	2551-62-4	Gas	Other		> Ambient		- Health Simple			
	Map: Figure 2 Grid: C5,C6,D4,D5,D6	<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		ST Electro-Hydraulic Control System				Facility ID 07-000-773723				
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/22/2021 5:07 PM				
						Hazardous Components (For mixture only)				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
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>				
	Map: Figure 2 Grid: C4	<u>Type</u>			<u>Temperature</u>					
		Mixture	Days on Site: 365		> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location	CERS ID	10018894
Facility Name	PG&E GATEWAY GENERATING STATION	ST Excitation Transformer	Facility ID	07-000-773723
	3225 Wilbur Ave, Antioch 94509		Status	Submitted on 2/22/2021 5:07 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
Combustible Liquid, Class III-B	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>				
	Map: Figure 2 Grid: C4	<u>Type</u>			<u>Temperature</u>					
		Mixture	Days on Site: 365		> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. PG&E		Chemical Location				CERS ID 10018894				
Facility Name PG&E GATEWAY GENERATING STATION		ST Main Step-Up Transformer				Facility ID 07-000-773723				
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/22/2021 5:07 PM				
						Hazardous Components (For mixture only)				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS CAS No.
	Mineral Oil	Gallons	Max. Daily 14143	Largest Cont. 14143	Avg. Daily 14143			Dielectric Oil (highly refined petroleum oil)	100 %	
	CAS No	State	Storage Container		Pressue					
		Liquid	Other		Ambient	Waste Code				
Combustible Liquid, Class III-B	Map: Figure 2 Grid: C4	Type				Temperature				
		Mixture	Days on Site: 365			> Ambient				

Hazardous Materials And Wastes Inventory Matrix Report

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 2/22/2021 5:07 PM				
						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.
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					
	Map: Figure 2	<u>Type</u>			<u>Temperature</u>					
	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 2/22/2021 5:07 PM				
				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.
Corrosive	HaloKlear BHR-50	Gallons	275	275	275	- Physical	Aluminum chloride hydroxide	30 %	39290-78-3
	CAS No	State	Storage Container		Pressue	Corrosive To	sulfate		
		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 2/22/2021 5:07 PM		
				Quantities		Annual Waste	Federal Hazard	Hazardous Components (For mixture only)			
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Amount	Categories	Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	KCR-7 Lead Calcium Batteries	Gallons	90	1.5	90		- Physical	Lead Calcium	52 %		7439-92-1
	CAS No	State	Storage Container		Pressue		Explosive				
Corrosive, Water Reactive, Class 2		Liquid	Other		Ambient	Waste Code	- Physical	Sulfuric Acid	44 %	✓	7664-93-9
	Map: Figure 2 Grid: D4	Type			Temperature		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 2/22/2021 5:07 PM		

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 2/22/2021 5:07 PM		
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	NON-RCRA Hazardous Solids (Empty Drums)	Pounds	15	500	10	30		Empty Drums	100 %	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		<u>Solid</u>	Steel Drum			512				
	<u>Type</u>	<u>Waste</u>			<u>Temperature</u>					
	Grid: B8, C3		Days on Site: 365							
	NON-RCRA Hazardous Waste Liquid (Oil, Water)	Gallons	96	55	63	96		Oil, Water	100 %	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		<u>Liquid</u>	Steel Drum		<u>Ambient</u>	223				
	<u>Type</u>	<u>Waste</u>			<u>Temperature</u>					
	Grid: B8, C3		Days on Site: 365		<u>Ambient</u>					
	NON-RCRA Hazardous Waste Liquid (Oil, Water, Sludge)	Gallons	1600	1600	1056	2550		Oil, Water, Sludge	100 %	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		<u>Liquid</u>	Tank Wagon		<u>Ambient</u>	222				
	<u>Type</u>	<u>Waste</u>			<u>Temperature</u>					
	Grid: B8, C3		Days on Site: 365		<u>Ambient</u>					
	RCRA Waste Paint, Liquids	Gallons	40	55	27	89		Waste Paint, Liquids		
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		<u>Liquid</u>	Steel Drum		<u>Ambient</u>	352				
	<u>Type</u>	<u>Waste</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: B8, C3		Days on Site: 90		<u>Ambient</u>					
	Shell Tellus Oil 32	Gallons	550	55	55			Highly refined mineral oils and additives		
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		<u>Liquid</u>	Steel Drum		<u>Ambient</u>					
	<u>Type</u>	<u>Mixture</u>			<u>Temperature</u>					
Combustible Liquid, Class III-B	Map: Figure 2 Grid: B8		Days on Site: 365		<u>Ambient</u>					
	Shell Turbo Oil DR46	Gallons	55	55	55			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	1 %	
		<u>Liquid</u>	Steel Drum		<u>Ambient</u>					
	<u>Type</u>	<u>Mixture</u>			<u>Temperature</u>					
Combustible Liquid, Class III-B	Map: Figure 2 Grid: B8		Days on Site: 365		<u>Ambient</u>					
	Universal Waste - eWaste	Pounds	500	500	330	1070				
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		<u>Solid</u>	Steel Drum		<u>Ambient</u>	181				
	<u>Type</u>	<u>Waste</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: B8, C3		Days on Site: 90		<u>Ambient</u>					
	WASTE SAND BLAST SAND NON-RCRA	Pounds	400	500	264	1100				
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		<u>Solid</u>	Steel Drum		<u>Ambient</u>	181				
	<u>Type</u>	<u>Waste</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: B8, C3		Days on Site: 365		<u>Ambient</u>					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. PG&E			Chemical Location				CERS ID	10018894		
Facility Name PG&E GATEWAY GENERATING STATION 3225 Wilbur Ave, Antioch 94509			Warehouse, Behind (East of) Plant Service Building and Shop Annex Flammable Cabinet, Hazardous Mat/Waste Storage				Facility ID	07-000-773723		
							Status	Submitted on 2/22/2021 5:07 PM		
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
Combustible Liquid, Class III-B	Shell S3 BA 150	Gallons	100	5	67			HIGHLY REFINED BASE OILS	99 %	64742-54-7
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		<u>Liquid</u>	Plastic Bottle or Jug		<u>Ambient</u>					
	Map: Figure 2 Grid: C4, B8-9	<u>Type</u>			<u>Temperature</u>					
		<u>Mixture</u>	Days on Site: 365		<u>Ambient</u>					
Combustible Liquid, Class III-B	Shell T68	Gallons	50	5	33			HIGHLY REFINED BASE OILS	99 %	64742-54-7
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		<u>Liquid</u>	Plastic Bottle or Jug		<u>Ambient</u>					
	Map: Figure 2 Grid: C4, B8-9	<u>Type</u>			<u>Temperature</u>					
		<u>Mixture</u>	Days on Site: 365		<u>Ambient</u>					
Combustible Liquid, Class III-B	Shell Tellus Oil 32	Gallons	50	5	33			Highly refined mineral oils and additives		
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		<u>Liquid</u>	Plastic Bottle or Jug		<u>Ambient</u>					
	Map: Figure 2 Grid: C4, B8-9	<u>Type</u>			<u>Temperature</u>					
		<u>Mixture</u>	Days on Site: 365		<u>Ambient</u>					
Combustible Liquid, Class III-B	Shell Turbo Oil T 46	Gallons	50	5	33			HIGHLY REFINED BASE OIL	90 %	64741-97-5
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		<u>Liquid</u>	Plastic Bottle or Jug		<u>Ambient</u>					
	Map: Figure 2 Grid: C4, B8-9	<u>Type</u>			<u>Temperature</u>					
		<u>Mixture</u>	Days on Site: 365		<u>Ambient</u>					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location	CERS ID	10018894
Facility Name	PG&E GATEWAY GENERATING STATION	Warehouse, Behind Plant Services Building	Facility ID	07-000-773723
	3225 Wilbur Ave, Antioch 94509		Status	Submitted on 2/22/2021 5:07 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	Gear Lubricant (Shell Omala S4 GX 320)	Gallons	170	5	170			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	1 %	
		<u>Liquid</u>	Plastic/Non-metalic Drum		<u>Ambient</u>					
		<u>Type</u>			<u>Temperature</u>					
	Map: Figure 2 Grid: B8-9, C4	<u>Mixture</u>	Days on Site: 365		<u>Ambient</u>					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	PG&E	Chemical Location				CERS ID	10018894				
Facility Name	PG&E GATEWAY GENERATING STATION		Warehouse, Stormwater Treatment System				Facility ID	07-000-773723			
	3225 Wilbur Ave, Antioch 94509						Status	Submitted on 2/22/2021 5:07 PM			
			Quantities			Annual Waste	Hazardous Components (For mixture only)				
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Amount	Federal Hazard Categories	Component Name	% Wt	EHS	CAS No.
Corrosive	Sodium Hydroxide (10-50%)	Gallons	30	30	15		- Physical	SODIUM HYDROXIDE	50 %		1310-73-2
	CAS No	State	Storage Container			Pressue	Corrosive To				
		Liquid	Plastic Bottle or Jug			Ambient	Metal				
	Map: Figure 2 Grid: C9, B8-9	Type				Temperature	- Health Skin				
		Mixture	Days on Site: 365			Ambient	Corrosion				
							Irritation				
							- Health Serious				
							Eye Damage Eye				
							Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	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 2/22/2021 5:07 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
Combustible Liquid, Class II	Diesel Fuel	Gallons	500	500	500		- Physical	Diesel Fuel	100 %	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Flammable			
	68476-34-6	Liquid	Tank Inside Building		Ambient		- Health			
	Map: Figure 2 Grid: C1	<u>Type</u>			<u>Temperature</u>		Carcinogenicity			
		Mixture	Days on Site: 365		Ambient		- Health Acute			
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Water Reactive, Class 2	Interstate Workaholic Lead Acid Battery	Gallons	9	4.5	9		- Physical	Sulfuric Acid	35 %	✓ 7439-92-1
	<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 2/22/2021 5:07 PM				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	NALCO 7408	Gallons	65	65	65		- Health Skin	Sodium Bisulfite	60 %	7631-90-5
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Corrosion	Proprietary	70 %	
		Liquid	Plastic/Non-metalic Drum		Ambient		Irritation			
	Map: Figure 2 Grid: C2	<u>Type</u>			<u>Temperature</u>		- Health			
		Mixture	Days on Site: 365		Ambient		Respiratory Skin			
							Sensitization			
							- Health Serious			
							Eye Damage Eye			
							Irritation			
Corrosive	NALCO Stabrex ST20	Gallons	65	65	65		- Physical	Sodium Hydroxide	5 %	1310-73-2
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Corrosive To	Proprietary	99 %	
		Liquid	Plastic/Non-metalic Drum		Ambient		Metal			
	Map: Figure 2 Grid: C2	<u>Type</u>			<u>Temperature</u>		- Health Skin			
		Mixture	Days on Site: 365		Ambient		Corrosion			
							Irritation			
							- Health			
							Respiratory Skin			
							Sensitization			
							- Health Serious			
							Eye Damage Eye			
							Irritation			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. PG&E		Chemical Location				CERS ID 10018894				
Facility Name PG&E GATEWAY GENERATING STATION		WSAC Chem Feed Skid				Facility ID 07-000-773723				
3225 Wilbur Ave, Antioch 94509						Status Submitted on 2/22/2021 5:07 PM				
					Annual Waste	Hazardous Components (For mixture only)				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities		Amount	Federal Hazard 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 %
	Corrosive	Map: Figure 2 Grid: C3	Type			Temperature		Tolyltriazole	5 %	
		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 2/22/2021 5:07 PM			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	NALCO Stabrex ST70	Gallons	110	110	110		- Physical	Sodium Hydroxide	5 %	1310-73-2
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Corrosive To	Proprietary	99 %	
		Liquid	Plastic/Non-metalic Drum		Ambient		Metal			
	Map: Figure 2 Grid: C3	<u>Type</u>			<u>Temperature</u>		- Health Acute			
		Mixture	Days on Site: 365		Ambient		Toxicity			
							- Health Skin			
							Corrosion			
							Irritation			
							- Health			
							Respiratory Skin			
							Sensitization			
							- Health Serious			
							Eye Damage Eye			
							Irritation			

Gateway Generating Station
(00-AFC-1C)

Annual Compliance Report No. 13

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 #12



State Water Resources Control Board
NOTICE OF INTENT

GENERAL PERMIT TO DISCHARGE STORM WATER
ASSOCIATED WITH INDUSTRIAL ACTIVITY (WQ ORDER No. 2014-0057-DWQ)
(Excluding Construction Activities)



EDMUND G. BROWN JR.
GOVERNOR



MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

WDID: 5S07I021950

Status: Active

Operator Information

Type: Private Business

Name: Pacific Gas Electric Company

Contact Name: Tim Wisdom

Address: PO Box 770000

Title: Plant Manager

Address 2:

Phone Number: 925-522-7812

City/State/Zip: San Francisco CA 94177

Email Address: T1WY@pge.com

Federal Tax ID:

Facility Information

Level:

Contact Name: Diana Furman

Title: Environmental Compliance Manager

Site Name: Gateway Generating Station

Address: 3225 Wilbur Ave

City/State/Zip: Antioch CA 94509

Site Phone #: 925-522-7838

County: Contra Costa

Email Address: dmwr@PGE.com

Latitude: 38.01228

Longitude: -121.75859

Site Size: 32.5 Acres

Industrial Area Exposed to Storm Water: 22 Acres

Percent of Site Impervious (Including Rooftops): 28 %

SIC Code Information

1. 4911 Electric Services

2.

3.

Additional Information

Receiving Water: San Joaquin River

Flow: Indirectly

Storm Drain System:

Compliance Group:

RWQCB Jurisdiction: Region 5S - Sacramento

Phone: 916-464-3291

Email: r5s_stormwater@waterboards.ca.gov

Certification

Name: Alvin Thoma

Date: October 12, 2016

Title: Senior Plant Manager

Stormwater Pollution Prevention Plan

Gateway Generating Station

WDID#: 5S07I021950

Facility Address: 3225 Wilbur Avenue, Antioch, CA 94509

Facility Contact:

Angel B. Espiritu, Environmental Compliance Manager
Pacific Gas & Electric Company
(925) 522-7838

Prepared for



***Pacific Gas and
Electric Company®***

Storm Water Quality Group
3401 Crow Canyon Road, San Ramon, CA
Jeremy Laurin, Storm Water Work Supervisor
(925) 719-4466

Initial Preparation Date: December 2014
Revision Date: October 2018

EXECUTIVE SUMMARY

This storm water pollution prevention plan (SWPPP) was prepared in accordance with the requirements of the California State Water Resources Control Board (SWRCB) Industrial Storm Water Permit for Discharges Associated with Industrial Activity (Order No. 2014-0057-DWQ) which was adopted on April 1, 2014. This permit replaces Order No. 97-03-DWQ which had been in effect from August 1, 1997 through June 30, 2015.

This SWPPP identifies and evaluates all sources of pollutants that may affect the quality of industrial storm water discharges and authorized non-storm water discharges, identifies and describes the minimum best management practices (BMPs) and any advanced BMPs implemented to reduce or prevent pollutants in industrial storm water discharges and authorized non-storm water discharges.

Pacific Gas and Electric Company shall fully implement this SWPPP by July 1, 2015. The SWPPP will be revised whenever necessary and will be certified and submitted electronically to the SWRCB via the Storm Water Multi-Application and Report Tracking System (SMARTS).

TABLE OF CONTENTS

	Page
EXECUTIVE SUMMARY	i
LIST OF TABLES	iv
LIST OF FIGURES	iv
1. INTRODUCTION	1
1.1 Background and Requirements	1
1.2 SWPPP Performance Standards	2
1.3 SWPPP Implementation and Revisions	2
1.4 General Facility Information	2
1.5 Pollution Prevention Team	3
2. SITE LAYOUT AND EXISTING FACILITY PLANS (PERMIT SECTION X.E)	5
3. LIST OF INDUSTRIAL MATERIALS (PERMIT SECTION X.F)	7
3.1 List of Industrial Materials Handled at the Facility	7
4. DESCRIPTION OF POTENTIAL POLLUTANT SOURCES (PERMIT SECTION X.F AND G)	12
4.1 Industrial Processes	12
4.2 Material Receiving, Shipping, and Handling	13
4.3 Dust and Particle Generating Activities	14
4.4 Significant Spills and Leaks	14
4.5 Non-Storm Water Discharges	14
4.6 Erodible Surfaces	15
5. ASSESSMENT OF POTENTIAL POLLUTANT SOURCES (PERMIT SECTION X.G.2)	16
5.1 Narrative Assessment of Likely Pollutants Present in Storm Water Discharges	16
5.2 Identification of Additional BMPs	16
5.3 Identification of Drainage Areas with No Exposure	16
5.4 Identification of Additional Parameters	16
6. STORM WATER BEST MANAGEMENT PRACTICES (PERMIT SECTION X.H)	17
6.1 Minimum BMPs (PERMIT SECTION X.H.1)	17
6.1.1 Good Housekeeping	17
6.1.2 Spill and Leak Spill and Leak Prevention	18
6.1.3 Spill and Leak Response	18
6.1.4 Material Handling and Waste Management	19
6.1.5 Erosion and Sediment Controls	19
6.1.6 Employee Training Program	19
6.1.7 Quality Assurance and Record-Keeping	20
6.2 Advanced BMPs (Permit Section X.H.2)	20
6.2.1 Exposure Minimization BMPs	20
6.2.2 Storm Water Containment and Discharge Reduction BMPs	20
6.2.3 Treatment Control BMPs	20

TABLE OF CONTENTS

	Page
6.2.4 Other Advanced BMPs	21
7. TEMPORARY SUSPENSION OF ACTIVITIES (PERMIT SECTION X.H.3)	22
8. BMP SUMMARY (PERMIT SECTIONS X.H.4 AND 5)	23
9. MONITORING IMPLEMENTATION PLAN (PERMIT SECTION X.I)	25
10. ANNUAL REPORTING (PERMIT SECTIONS XV AND XVI)	29
REFERENCES	30

TABLES

FIGURES

**APPENDIX A - General Permit for Storm Water Discharges Associated with Industrial Activities
(Order No. 2014-0057-DWQ)**

APPENDIX B – Permit Registration Documents

APPENDIX C – SWPPP Amendment Form

APPENDIX D – Training Log

APPENDIX E – Industrial Storm Water Facility Inspection and Visual Observation Form

- Annual Evaluation Form

- Sampling Log

**APPENDIX F – General Permit Attachment H “Sample Collection and Handling Instructions” and
Example Chain of Custody Form**

APPENDIX G – Annual Reports

APPENDIX H – ERA Evaluation(s) and Report(s)

**APPENDIX I – Advanced Treatment System (Chemical & Filtration) Operating Manual, including
the Gateway Generation Station Quick Operations Guide and Operating Log**

LIST OF TABLES

Table No.	Title
I	Pollution Prevention Team
II	Industrial Materials Handled at the Facility
III	BMP Summary
IV	NAL Values

LIST OF FIGURES

Figure No.	Title
1	Site Location Map
2	Facility Details
3	Storm Water Flow and BMP Map

ACRONYMS AND ABBREVIATIONS

AST	Aboveground Storage Tank
BMP	Best Management Practice
CFR	Code of Federal Regulations
COC	Chain of Custody
CWA	Clean Water Act
DDT	Dichlorodiphenyltrichloroethane
ECM	Environmental Compliance Manager
ELAP	Environmental Laboratory Accreditation Program
ELG	Effluent Limitation Guideline
ERA	Exceedance Response Action
General Permit	Industrial Storm Water Permit for Discharges Associated with Industrial Activity
HMBP	Hazardous Materials Business Plan
LRP	Legally Responsible Person
mg/L	Milligrams per liter
NAL	Numeric Action Level
NEC	No Exposure Certification
NOI	Notice of Intent
NOT	Notice of Termination
NPDES	National Pollutant Discharge Elimination System
NSWD	Non-Storm Water Discharge
OSHA	Occupational Health and Safety Administration
PG&E	Pacific Gas and Electric Company
PPT	Pollution Prevention Team
PRDs	Permit Registration Documents
QISP	Qualified Industrial Storm Water Practitioner
QSE	Qualifying Storm Event
RWQCB	Regional Water Quality Control Board
SIC	Standard Industrial Classification
SMARTS	Storm Water Multi-Application and Report Tracking System
SPCC	Spill Prevention Control and Countermeasure
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
WDID	Waste Discharge Identification

STORM WATER POLLUTION PREVENTION PLAN SIGNATURE AND CERTIFICATION

I am duly authorized to sign reports required by the California State Water Resources Control Board Industrial Storm Water Permit for Discharges Associated with Industrial Activity. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Tim Wisdom
Tim Wisdom, Sr. Plant Manager

Feb-10, 2017
Date

1. INTRODUCTION

This industrial storm water pollution prevention plan (SWPPP) for Pacific Gas and Electric Company's (PG&E) Gateway Generating Station (facility) was prepared in accordance with the requirements of the California State Water Resources Control Board Industrial Storm Water Permit for Discharges Associated with Industrial Activity ("General Permit," Order NPDES No. CAS000001). A copy of the General Permit (Order No. 2014-0057-DWQ) dated April 1, 2014, is attached as Appendix A.

This SWPPP will be modified whenever there is a change in operation, maintenance or construction which may affect the discharge of pollutants to surface water. It will also be amended if it is found ineffective in achieving the stated objectives listed in the General Permit.

1.1 Background and Requirements

The Federal Clean Water Act (CWA) prohibits discharges from point sources to waters of the United States, unless the discharges are in compliance with a National Pollutant Discharge Elimination System (NPDES) permit. In 1987, the CWA was amended to establish a framework for regulating municipal storm water discharges and discharges associated with industrial activity under the NPDES program. Industrial storm water discharges are regulated pursuant to CWA section 402(p)(3)(A). This provision requires NPDES permits for industrial storm water discharges to comply with technology-based effluent limitations and water quality-based limitations, as well as implement best management practices (BMPs).

On April 17, 1997, the California State Water Resources Control Board (SWRCB) issued NPDES General Permit for Industrial Storm Water Discharges, Excluding Construction Activities, Water Quality Order 97-03-DWQ (previous permit). The current General Permit, Order 2014-0057-DWQ, rescinds the previous permit and serves as the statewide general permit for industrial storm water discharges. The General Permit requires dischargers to:

- Eliminate unauthorized non-storm water discharges (NSWDs);
- Develop and implement SWPPPs that include BMPs;
- Implement minimum BMPs, and advanced BMPs as necessary, to achieve compliance with the effluent and receiving water limitations of this General Permit;
- Conduct monitoring, including visual observations and analytical storm water monitoring for indicator parameters;
- Compare monitoring results for monitored parameters to applicable numeric action levels (NALs) derived from the U.S. EPA 2008 Multi-Sector General Permit for Storm Water Discharges Associated with Industrial Activity (2008 MSGP) and other industrial storm water discharge monitoring data collected in California;
- Perform the appropriate Exceedance Response Actions (ERAs) when there are exceedances of the NALs; and
- Certify and submit all permit-related compliance documents via the Storm Water Multiple Application and Report Tracking System (SMARTS). Dischargers shall certify and submit these documents which include, but are not limited to, Permit Registration Documents (PRDs) including Notices of Intent (NOIs), No Exposure Certifications (NECs), and SWPPPs, as well as Annual Reports, Notices of Termination (NOTs), Level 1 ERA Reports, and Level 2 ERA Technical Reports.

Copies of all PRDs are included in Appendix B.

1.2 SWPPP Performance Standards

This SWPPP identifies and evaluates all sources of pollutants from the facility that may affect the quality of industrial storm water discharges and authorized NSWDS. Additionally, this SWPPP identifies and describes the minimum BMPs and any advanced BMPs implemented to reduce or prevent pollutants in industrial storm water discharges and authorized NSWDS. BMPs will be selected to achieve compliance with this General Permit and will identify and describe conditions or circumstances which may require future revisions to be made to the SWPPP. A copy of the SWPPP shall be maintained at the facility.

1.3 SWPPP Implementation and Revisions

PG&E shall fully implement this SWPPP by July 1, 2015. The SWPPP shall be revised whenever necessary and will be certified and submitted electronically to the SWRCB via SMARTS within 30 days whenever the SWPPP contains significant revisions. Minor revisions are not required to be entered into SMARTS more than once every three months within a given reporting year. A log of all SWPPP revisions is included in Appendix C.

1.4 General Facility Information

Facility Name: Gateway Generating Station

Facility Address: 3225 Wilbur Avenue, Antioch CA 94509

Telephone Number: (925) 522-7838

Standard Industrial Classification (SIC) Code: 4911 (Electric Power Generating Facility)

Waste Discharge Identification (WDID) Number: 5S07I021950

Scheduled Facility Operating Hours: 24 hours/7 days (2 shifts)

Size of Facility: Approximately 32.5 acres

The facility is located in unincorporated Contra Costa County (within the City of Antioch's Sphere of Influence), on Wilbur Avenue, 1 mile northeast of Antioch, on the southern shore of the San Joaquin River (Figure 1). The operating portion of the site area is approximately 22 acres. The facility is a natural gas-fired, combined cycle, combustion turbine power plant with a nominal generation capacity of 530 megawatts. The facility includes the following building structures and areas:

- Two Combustion Turbine Electrical Generators;
- Steam Powered Electrical Generator;
- Wet Surface Air Cooler (Wet SAC);
- Fin Fan (Close-loop Cooling System);
- Air Cooled Condenser;
- Plant Services Building;
- Laydown Area for Equipment/Parts Staging;
- Warehouse;

- Hazardous Materials Storage Shed;
- Hazardous Waste Accumulation Storage Shed; AND
- Water Treatment Building.

Percent Impervious: ~28%

Facility Contact:

Name: Angel Espiritu

Title: Environmental Compliance Manager

Company: Pacific Gas and Electric Company

Phone: (925)522-7838

Email: ABE4@pge.com

Street Address: 3225 Wilbur Ave

City: Antioch

State: California

Zip Code: 94509

1.5 Pollution Prevention Team

PG&E has identified a Pollution Prevention Team responsible for assisting with the implementation of this SWPPP and for conducting all monitoring required under the General Permit. The specific individuals (and job title) that are responsible for developing, implementing, and revising this SWPPP and conducting monitoring are identified in the Table I.

Table I Pollution Prevention Team

Name of Person	Title/Position	Responsibilities, Duties, and Activities
Jeremy Laurin	Water Quality Subject Matter Expert	Supervise SWPPP development and implementation; provide support and training to the ECM and Plant Manager; review of any documents uploaded to SMARTS; interface with the Regional and/or State Water Quality Control Boards when necessary.
Angel Espiritu	Environmental Compliance Manager (ECM)	Facility lead for storm water permit compliance, monitoring, and reporting; conduct employee training; supervise and/or conduct inspections and sampling, record and report maintenance; record and report spills and leaks; file documents in SMARTS; BMP Implementation, emergency response coordinator, spill cleanup coordination.
Name of Person	Title/Position	Responsibilities, Duties, and Activities
Steve Royall	Director, Fossil Generation	Legally Responsible Party (LRP); responsible for certification of Notice of Intent (NOI) within SMARTS.
Tim Wisdom	Sr. Plant Manager	Duly Authorized Representative (DAR); responsible for certification of documents within SMARTS.
Aman Singh	Maintenance Supervisor	BMP Implementation and maintenance.
David J. Hammond	Operations Supervisor	BMP Implementation and maintenance.

David Thurston	Plant Engineer	Engineering guidance, supervision and review of BMPs.
Doug Welch or available on-shift Power Plant Technician	Plant Chemist or available on shift power plant technician	Storm water inspections and sampling.

In the event that the Environmental Compliance Manager or other positions responsible for SWPPP implementation are temporarily unavailable to conduct storm water activities due to vacation, illness, out of town business or other absences, backup personnel will implement the SWPPP and conduct required monitoring. PG&E will train all backup personnel so they are familiar with storm water requirements.

The Environmental Compliance Manager, through the Operations or Maintenance Supervisor, will notify the backup PPT member of any expected absences. If the backup PPT member is unavailable, a tertiary individual will be selected and trained to perform the tasks necessary during the primary and secondary PPT member's absence. The backup PPT member has been trained to complete Environment Compliance Manager's tasks when the ECM is unexpectedly absent.

PG&E will ensure that this SWPPP is implemented and revised as necessary to be consistent with applicable municipal, state, and federal requirements that pertain to the requirements in the General Permit.

2. SITE LAYOUT AND EXISTING FACILITY PLANS (PERMIT SECTION X.E)

PG&E has prepared three figures illustrating the information required by the General Permit. These include Figure 1 Site Location Map, Figure 2 Facility Details Map, and the Figure 3 Storm Water Flow and BMP Map. The maps present the following information where applicable:

- Site location;
- North arrow;
- Facility boundary;
- Drainage areas;
- Portions of any drainage area impacted by discharges from surrounding areas;
- Direction of flow within each drainage area;
- On-facility surface water bodies;
- Areas of soil erosion;
- Nearby water bodies (e.g., rivers, lakes, wetlands);
- Municipal storm drain inlets;
- Location of storm water collection and conveyance systems;
- Points of discharge;
- Sampling locations;
- Structural control measures;
- Impervious areas;
- Locations of directly exposed materials;
- Locations of significant spills and leaks;
- Areas of industrial activity;
- Industrial storage areas/storage tanks;
- Shipping and receiving areas;
- Fueling areas;
- Vehicle and equipment storage/maintenance areas;
- Material handling/processing areas;
- Waste treatment and disposal areas;
- Dust or particulate generating areas;
- Cleaning and material reuse areas; and
- Other areas of industrial activity.

Storm water in Drainage Area A is generally conveyed from the south to the north. Surface run-off travels to drain inlets and/or rock-lined ditches which connect to a covered drainage conveyance into a concrete structure with flow valves. The valves on the outlet structure are typically left open to allow the discharge of stormwater in the wet season. The valves are typically left closed in the dry season to

provide an additional measure to capture potential pollutants if a spill occurred. Stormwater in Drainage Area B is contained in a depression centrally located in the drainage area and does not discharge. Additionally, there is no industrial activity in Drainage Area B. The facility details are shown on Figure 2.

3. LIST OF INDUSTRIAL MATERIALS (PERMIT SECTION X.F)

3.1 List of Industrial Materials Handled at the Facility

The following table lists the industrial materials stored or handled at the facility (as detailed in the Hazardous Materials Business Plan):

Table II Industrial Materials Handled at the Facility

Material	How Stored	Receiving/Shipping and Handling Frequency	Storage Location	Typical Quantities
Aqueous Ammonia (29%)	Aboveground Storage Tank (AST)	Weekly	Aqueous Ammonia Storage Area	18,000 gallons
Pre-blended Phosphate/Caustic (Soap)	Tote	Daily	Plant Services Building	460 gallons
Sodium Bisulfite	Tote	Monthly	Water Treatment Building	50 gallons
Stabilized Bromine/Sodium Hydroxide	Tote	Monthly	Water Treatment Building and Wet SAC	110 gallons
Sulfuric Acid	Tote	Semi-annual	Wet SAC	35 gallons
Corrosion/Scale Inhibitor/Sodium Hydroxide	Tote	Semi-annual	Wet SAC	110 gallons
Chlorine Scavenger	Tote	Monthly	Water Treatment Building	65 gallons
Mineral Oil	Transformers	As needed	Transformers (throughout the site) and the inlet chiller	58,000 gallons
Diesel Fuel No. 2	AST	Weekly	Water Treatment Building	500 gallons
Turbine Oil	Within Turbines / Drums	As needed	Combustion Turbines, Steam Turbine, Hazardous Materials / Waste Storage Shed	17,000 gallon

Material	How Stored	Receiving/Shipping and Handling Frequency	Storage Location	Typical Quantities
Mixed Oil	Drum	As needed	Hazardous Materials / Waste Storage Shed	55 gallon
Hydraulic Oil	Steam Turbine	As needed	Steam Turbine	130 gallons
Liquid Carbon Dioxide	Cylinder	As needed	Combustion Generators and CO2 Bulk Storage	36,000 gallons
Argon	Cylinder	As needed	Combustion Turbines	1,344 cubic feet
EPA Protocol Gases (Carbon Monoxide / Nitrogen / Oxygen / Nitric Oxide)	Cylinder	As needed	Combustion Turbines	4,896 cubic feet
Helium	Cylinder	As needed	Combustion Turbines and Gas Conditioning Station	2,200 cubic feet
Oxygen	Cylinder	As needed	Combustion Turbines	1,124 cubic feet
Hydrogen	Cylinder	As needed	Tube Trailer and Gas Conditioning Station	134,200 cubic feet
Nitrogen	Cylinder	As needed	Combustion Turbines, Steam Turbine, Inlet Chiller	8,735 cubic feet
Propane	Cylinder	As needed	Combustion Turbines and Plant Services Building	60 pounds
Acetylene	Cylinder	As needed	Plant Services Building	1,700 cubic feet
Petroleum Distillates	Within Transformer	As needed	Spare GSU Transformer	14,000 gallon
Refined Petroleum Oil	Drum	As needed	Spare GSU Transformer	55 gallons

Material	How Stored	Receiving/Shipping and Handling Frequency	Storage Location	Typical Quantities
Dielectric Fluid	Transformer housing	As needed	Plant Services Building Transformers, Water Treatment Building, Combustion Turbines, Main Electrical Control Enclosure and Inlet Chiller	4,800 gallons
Gear Lubricant	Gear Boxes (36) and Drums	As needed	Air Cooled Condenser Gear Boxes (36), Warehouse and Hazardous Materials / Waste Storage Shed	540 gallons
Lead Acid Batteries	Within Electrical Equipment	As needed	Combustion Turbines	48,000 pounds
Lead Calcium Batteries	Within Electrical Equipment	As needed	Switchyard	90 gallons
Sulfur Hexafluoride	Internally within breakers	As needed	Sulfur Hexafluoride Breakers	774 pounds
Carbon Dioxide, Gas	Cylinders	As needed	Stormwater Treatment System	6,620 cubic feet
HaloKlear BHR-50	Plastic Tote	As needed	Stormwater Treatment System	275 gallons
Yardney 3660 Media Filter (glass media beads)	Within Equipment	As needed	Stormwater Treatment System	6,300 pounds
Sodium Hydroxide	Plastic Container	As needed	Stormwater Treatment System	30 gallons
Non-hazardous trash	In enclosed dumpster	Daily	Laydown in roofed area	3 yards
Metal scraps for recycling	Roll-off bin with tarp cover	Weekly	Laydown area	20 yards

Material	How Stored	Receiving/Shipping and Handling Frequency	Storage Location	Typical Quantities
Wood Pallets	Outside	Daily	Laydown	50 to 100 total
Plastics	In enclosed dumpster	Daily	Laydown in roofed area	3 yards
Recyclables	In enclosed dumpster	Daily	Laydown in roofed area	3 yards
Cardboard	In enclosed cardboard compactor	Daily	Laydown in roofed area	3 yards
RCRA Waste (i.e., waste absorbent)	In secondary- contained drums within covered waste storage area	As needed	Hazardous Materials / Waste Storage Sheds	55 gallons
Non-RCRA Waste (i.e. oily debris)	In secondary- contained drums within covered waste storage area	As needed	Hazardous Materials / Waste Storage Sheds	55 gallons
Universal Waste (i.e., batteries and fluorescent light bulbs)	Bins	As needed	Hazardous Materials / Waste Storage Sheds	5 pounds
Monoethanolamine (30%-60%)	Tote	As needed	Northeast corner of Air Cooled Condenser (ACC)	400 gallons
Cooling Water Inhibitor (3DTRASAR)	Tote	As needed	Water Treatment Building	110 gallons
Antiscalant (Avista Vitec)	Drum	As needed	Water Treatment Building	60 gallons
Antifungal/bacteria/slime (Stabrex)	Tote	As needed	Water Treatment Building	110 gallons
Simple Green	2.5 gallon Containers	As needed	East of the Plant Services Building	10 gallons
Reclaimed water	Tanks	Daily	East of the Water Treatment Building	140,000 gallons
Wastewater	Tank	Daily	East of the Water Treatment Building	40,000 gallons

Material	How Stored	Receiving/Shipping and Handling Frequency	Storage Location	Typical Quantities
Turbine Cleaning Fluid	Tote	As needed	Parts and Miscellaneous Storage Building	250 gallons
Various solvents, degreasers, paints, adhesives, etc.	Fire Cabinet	As needed	East of the Plant Service Building	Typically less than 1 gallon each

4. DESCRIPTION OF POTENTIAL POLLUTANT SOURCES (PERMIT SECTION X.F AND G)

4.1 Industrial Processes

Gateway Generating Station facility manufactures electricity through the use of two natural gas fired combustion turbines and a steam powered generator. The industrial materials utilized throughout the facility are detailed in Table II. All industrial processes associated with manufacturing occur at locations denoted on Figure 2.

Industrial materials imported to the site are imported directly into the warehouse, directly to aqueous ammonia storage tank, the water treatment plant and the wet surface air cooler. Handling, shipping and receiving of hazardous materials including waste occurs at the frequencies denoted in Table II above. Storage areas identified in Table II are also denoted in Figure 2. These areas are further described as follows.

The aqueous ammonia is stored in an area that houses two 20,000 gallon capacity tanks. These tanks sit above grade within a secondary containment unit and a sump. This area has sufficient storage capacity to meet the facility's Risk Management Plan requirements. Storm water that collects in this sump is discharged to the sanitary sewer per a separate permit. This storage area has its own loading ramp that drains to the secondary containment sump below the tanks.

The hazardous materials storage shed, hazardous waste storage shed and hazardous materials accumulation shed are all covered sheds with secondary containment that meets the facilities hazardous materials business plan (HMBP) and SPCC plan requirements. The various oils the facility uses are stored within these sheds in 55 gallon drums. In addition to those drums universal waste and used absorbent is also stored within these sheds. Materials and wastes are moved using services vehicles.

All hazardous materials associated with the water treatment plant including the diesel fuel used for the emergency fire water system are housed in a roofed water treatment building. Secondary containment for these materials is provided. All of the ASTs within this area are filled by bulk delivery.

There are various transformers throughout the facility. These transformers are filled with dielectric oil and are housed in secondary containment that meets the facility's SPCC plan requirements.

Various hazardous materials are stored adjacent to the wet surface air cooler. These materials are all stored in sealed tanks within secondary containment. These tanks are filled by bulk delivery.

Trash, recyclable materials, and cardboard are accumulated in three separate dumpsters. The dumpsters have lids which are closed when the dumpsters are not actively used. To further isolate the dumpsters from exposure to storm water, they are housed under a roof.

Metals for recycling are accumulated in a roll off bin or bins and are covered when not actively in-use.

Various pressurized gases are stored throughout the facility for various uses. These pressurized gases are stored according to all applicable HMBP requirements.

Various batteries are stored throughout the facility for various uses. These batteries are stored in roofed buildings and according to all applicable HMBP requirements.

4.2 Material Receiving, Shipping, and Handling

Receiving

The facility receives regular deliveries of the materials listed in Table II. The materials stored in larger tanks are delivered by service trucks and are directly loaded into the respective vessels. Receiving and loading of materials (e.g., fuels, fuel additives, oils, and ammonia) is performed at the respective material storage areas. Other sources include smaller quantities of oils used in transformers, sulfuric acid used in batteries, and oils used in miscellaneous equipment and machines which are delivered to their various storage locations throughout the facility, including but not limited to the warehouse, plant services building, parts and miscellaneous storage building, and the water treatment building.

Material Handling

The primary function of the power plant facility is to generate electricity through a combined-cycle process utilizing natural gas as fuel. The potential pollutants at the facility are used in ancillary functions such as lubricants, aqueous ammonia for emissions control, and other various maintenance fluids. Most materials and wastes are transported via on-site pipe networks. For example, potable water is piped to the facility from a municipal water purveyor to the water treatment area and then transferred from the treatment plant to the boilers and other heat exchange equipment. Used water is conveyed to the sanitary sewer. Small quantities of other materials and wastes, typically for maintenance activities, are moved using services vehicles. There is a seldom used parts cleaning machine that is located outdoors, immediately east of the plant services building.

Waste

General trash is accumulated in dumpsters located north of the inlet chiller. The waste dumpster area is equipped with a storm resistant shelter. Trash is transferred to a collection facility by a service vendor.

Metals for recycling are accumulated in two dumpsters that are equipped with lids. One metal disposal dumpster is located near the trash dumpsters and the other is located east of the parts and miscellaneous storage building. Occasionally, roll-off dumpsters are placed near the warehouse during maintenance and repair operations.

Hazardous waste is temporarily stored onsite in storage sheds located east of the plant service building and the south-east corner of the warehouse. The majority of hazardous waste produced at the facility is waste oil sludge and used lubricating oil. Hazardous waste is picked up by a waste disposal vendor as necessary, though typically picked up more frequently; the hazardous waste vendor is on 90-day maximum schedule. An industrial service vendor visits the site weekly to perform a required weekly inspection and schedule waste pick-up.

The water-side effluent from the oil/water separator is conveyed to the sanitary sewer along with other waste water generated from plant operation. The oily sludge effluent is transported offsite for proper disposal.

Portable toilets are commonly placed onsite in various locations for construction and maintenance projects and are serviced regularly by a service vendor.

Shipping

The industrial product produced at the facility is electricity and therefore shipping of industrial products does not occur at this facility. The electricity generated at the facility is transmitted through the substation located west of the facility.

4.3 Dust and Particle Generating Activities

PG&E does not conduct any activities that generate dust and/or particles. The vents located on the combustion turbines are designed only for heat dissipation. The active areas of the site are paved or covered in gravel to prevent dusting.

4.4 Significant Spills and Leaks

Significant spills and leaks include any toxic chemicals identified in 40 Code of Federal Regulations (CFR) Section 302 that are discharged into the facilities' storm water conveyance system as reported on U.S. EPA Form R, as well as spills or leaks of oil and hazardous substances in excess of reportable quantities (40 CFR §§ 110, 117, and 302). PG&E contracts with a service vendor to respond to any significant spills of fuels, oil or other materials. During the routine monthly inspections, PG&E will evaluate the facility in areas where spills and leaks could potentially occur during material delivery, unloading, loading, transport, storage/containment, or use. There have not been any significant spills or leaks of industrial materials at this facility in the last five years that had potential to be discharged from the facility.

In accordance with the facility SPCC Plan and the General Permit, in the event that significant spills or leaks occur in the future, for each potential discharge PG&E will record and document the following information: the location, characteristics, and approximate quantity of the materials spilled or leaked; approximate quantity of the materials discharged from the facility's storm water conveyance system; the cleanup or remedial actions that have occurred or are planned; the approximate remaining quantity of materials that have the potential to be discharged; and the preventive measures taken to ensure spills or leaks of the material do not reoccur.

4.5 Non-Storm Water Discharges

A NSW is any water discharged at the Facility which is not the direct result of a rain event. Examples include process water, cooling water, wash water, and sanitary wastewater. Certain limited categories of NSWs are considered to be authorized by the General Permit (as long as they are not in violation of any Basin Plan, municipal agency ordinance, or other statewide water quality control plans or policy requirements), including: fire hydrant flushing; potable water sources; drinking fountain water; refrigeration, air conditioning, and compressor condensate; irrigation drainage and landscape watering; uncontaminated natural springs, groundwater, and foundation/footing drainage; seawater infiltration; and incidental windblown mist from cooling towers.

Authorized NSWs at the Gateway Generating Station facility are expected to be prevented or minimized and would occur at an unknown frequency if they arise with the exception of the fire system flushing. The fire system is flushed annually and the quantity of water would be equal to the amount in the system or necessary to flush the system. Expected authorized NSWs include:

- Fire system flushing water;
- Irrigation water;
- Eye wash system flushing and testing water; and
- Air conditioning or compressor condensate.

The NSWDs listed above are authorized by the General Permit if all of the following conditions are met:

- The NSWDs are in compliance with Regional Water Quality Control Board (RWQCB) requirements;
- The NSWDs are in compliance with local agency ordinances and/or requirements;
- BMPs are specifically included in the SWPPP to (1) prevent or reduce the contact of NSWDs with significant materials or equipment and (2) minimize, to the extent practicable, the flow or volume of NSWDs;
- The NSWDs do not contain significant quantities of pollutants;
- The monitoring program includes quarterly visual observations of each NSWD and its sources to ensure that BMPs are being implemented and are effective; and
- The NSWDs are reported and described annually as part of the Annual Report.

As part of the routine monthly site inspections, PG&E will conduct an evaluation of the facility to identify any NSWDs, sources, and drainage areas. The inspection will include an evaluation of all storm drain inlets to identify connections to the storm water conveyance system; and a description of any NSWDs and how any which have occurred and have been eliminated. In the event that NSWDs are discovered, they will be described on the inspection form located in Appendix E of the SWPPP. This description will include the source, quantity, frequency, and characteristics of the NSWDs, associated drainage area, and whether it is an authorized or unauthorized NSW.

Potential unauthorized NSWs at the Gateway Generating Station Facility include:

- Secondary containment failure;
- Pipeline leak, rupture, or failure;
- Contaminated water in sumps;
- Leaks or spills from portable restrooms; and
- Leaks or spills from service vehicles or portable equipment.

Unauthorized NSWs have been eliminated or prevented through the use of sumps, secondary containment structures, an oil/water separator, drains that convey waste to the oil/water separator, controlled site access, and the placement and maintenance of numerous spill clean-up kits throughout the facility.

4.6 Erodible Surfaces

There are three vegetated areas (Figure 3) that may be considered erodible surfaces at the facility. The only unpaved areas within the active facility exposed to storm water are flat gravel-capped surfaces between structures and adjacent to roadways, and three vegetated surfaces on the northeastern edge of the property.

The southern portion of the facility is inactive and self-contained, with a berm which surrounds the entire perimeter. This area has also been graded into a depression and decompacted to help increase infiltration of any storm water that lands within the area.

5. ASSESSMENT OF POTENTIAL POLLUTANT SOURCES (PERMIT SECTION X.G.2)

5.1 Narrative Assessment of Likely Pollutants Present in Storm Water Discharges

PG&E conducts frequent preventive maintenance to ensure that plant machinery, equipment and storage vessels are in good working order. The most likely potential pollutants in storm water discharges are the materials listed in Table II. Approximately 28 storm water catch basins drain the site and are located throughout the facility and in proximity to material storage areas. PG&E has implemented BMPs to control the offsite migration of potential pollutants by following good housekeeping, requiring immediate cleanup of spills, and by installing filter screens (Dandy Pops®) in storm water catch basins on the site, as appropriate. The filter screens are cleaned and/or replaced as needed.

5.2 Identification of Additional BMPs

In the event that conditions change or monitoring results indicate a need, PG&E will consider identifying additional BMPs to address the changed conditions or constituents of concern.

5.3 Identification of Drainage Areas with No Exposure

There is one drainage area at the facility with no exposure, as indicated on Figure 2. The southern area meets the requirements for no exposure, as there are no industrial activities occurring within it.

5.4 Identification of Additional Parameters

In addition to the standard parameters required for all industrial facilities (pH, oil & grease, and total suspended solids), PG&E will continue to analyze for total iron, as per the SIC code 4911 requirements of Table 1 and Attachment A of the General Permit.

The facility drains to the Delta Waterways (western portion) which is in the HUC 10 watershed of the site. The 303(d) listed impairments for the Delta include: Chlordane; Chlorpyrifos; Dichlorodiphenyltrichloroethane (DDT); Diazinon; Dieldrin; Dioxin; Dioxin compounds (including 2,3,7,8-TCDD); Disulfoton; Electrical Conductivity; Escherichia coli (E. coli); Furan Compounds; Group A Pesticides; Invasive Species; Mercury; Organic Enrichment/Low Dissolved Oxygen; Oxygen, Dissolved; Low Dissolved Oxygen; Pathogens; PCBs (Polychlorinated biphenyls) (dioxin-like); PCBs (Polychlorinated biphenyls); Selenium; and Unknown Toxicity. The sources of the impairments listed are primarily caused by agricultural sources or mineral resource extraction and the Gateway Generating Station does not have the potential to discharge most of the pollutants; however, electrical conductivity may be an exception.

Electrical Conductivity is a measure of the ability of water to pass an electrical current. Conductivity in water is affected by the presence of inorganic dissolved solids such as chloride, nitrate, sulfate, and phosphate anions (ions that carry a negative charge) or sodium, magnesium, calcium, iron, an aluminum cations (ions that carry a positive charge). Though the General Permit does not have a Numeric Action Level for electrical conductivity, the facility has the potential to discharge inorganic dissolved solids and analytical results may be beneficial as an indicator of other pollutant concerns; therefore, the facility will also collect and analyze samples for electrical conductance.

6. STORM WATER BEST MANAGEMENT PRACTICES (PERMIT SECTION X.H)

This section describes the BMPs implemented and maintained as a result of the activities assessment in Section 4. The current BMPs, when properly maintained, are effective for the operations at the facility. BMPs are divided into minimum and advanced measures.

6.1 Minimum BMPs (PERMIT SECTION X.H.1)

6.1.1 Good Housekeeping

- **Monthly Visual Inspections.** Once per calendar month, PG&E inspects all outdoor areas associated with industrial activity, including storm water discharge locations, drainage areas, conveyance systems, waste handling/disposal areas, and perimeter areas impacted by off-facility materials or storm water run-on to determine housekeeping needs. Any identified debris, waste, spills, tracked materials, or leaked materials identified during the inspections are cleaned and disposed of properly.
- **Tracking Control.** Although there is low potential for tracking of sediment at the facility, paved surfaces are swept on a monthly basis. Additionally sweeping will occur as needed.
- **Dust Control.** PG&E's power generation process does not generate dust, and the surface of the site is either paved, has a gravel cap, or is vegetated. Therefore, there is no need to implement dust control at this facility.
- **Cleaning Areas Impacted by Rinse/Wash Waters.** No washing or rinsing of equipment is performed at the facility. Parts are washed within an enclosed parts washer, within the roofed Plant Services building.
- **Industrial Materials Storage Control.** The facility stores all materials and performs all activities that involve hazardous materials under roofed areas (buildings or storage containers), within secondary containment, or during dry weather, if possible.
- **Control of Non-Solid Industrial Materials/Wastes.** The facility contains all stored non-solid industrial materials or wastes (e.g., fuel, waste oil) that can be transported or dispersed by wind or contact with storm water. Spill kits are maintained appropriately and allow for immediate response to spills. In addition, all materials are stored within secondary containment to prevent any spilled or leaked material from being transported by storm water. Numerous secondary containment structures have been designed and constructed throughout the facility to contain spills, leaks, or ruptures from various tanks and oil filled equipment. The secondary containment structures have been designed per SPCC requirements to contain the capacity of either 100 percent of the largest tank or 10 percent of all tanks or containers stored within the containment. Additional material and waste control information is included in the facility's Spill Prevention Control and Countermeasure (SPCC) Plan.
- **Control of Rinse/Wash Water Disposal.** No washing or rinsing is performed at the facility. The facility prevents the disposal of any industrial materials into the storm water conveyance system by maintaining spill kits appropriately and immediately responding to spills.
- **Minimize Storm Water Discharges from Non-Industrial Areas.** A non-industrial area exists within the facility, as denoted on Figure 2. This area is self-contained, with a berm surrounding the entire perimeter of this portion. This area has also been graded into a

depression and decompacted to help increase infiltration of any storm water that lands within the area, as described in Section 4.5.

- **Minimize Authorized NSWs from Non-Industrial Areas.** A non-industrial area exists within the facility and no authorized NSWs occur from it.

6.1.2 Spill and Leak Spill and Leak Prevention

The facility implements the following preventative maintenance measures:

- PG&E has identified the following outdoor equipment at the Facility which may spill or leak pollutants, as follows:
 - Containment areas, tanks and containers storing hazardous materials or wastes
 - Oil-filled electrical equipment and oil-filled operating equipment in the Radiator Area, and Transformer Yard
 - Service vehicles (when transporting materials such as drums of waste oil)
- Monthly observations of containment areas, tanks, equipment and systems are conducted to detect leaks, or identify conditions that may result in the development of leaks.
- The facility maintains a schedule for conducting routine maintenance of identified equipment and systems. There is a daily inspection of all equipment at the facility, monthly preventative maintenance and periodic servicing. Daily inspections are informal visual inspections by operators, and are not documented. Service vehicles are not washed on site.
- The facility has defined procedures for prompt maintenance and repair of equipment, and maintenance of systems when conditions exist that may result in the development of spills or leaks.
- The facility utilizes forklifts and golf carts that are loaned to the facility from PG&E Fleet. Fleet vehicles are repaired and maintained by the Fleet group.
- The manufacturer of the power generation equipment requires maintenance of equipment after a specified number of operating hours and therefore the facility conducts two shut-downs per year to maintain the facility's power generation equipment.

6.1.3 Spill and Leak Response

PG&E has established the following protocols to respond to spills and leaks:

- The facility has developed procedures to minimize spills and leaks. The facility has a SPCC Plan that addresses storage of materials and wastes.
- The facility has established spill and leak response procedures to prevent industrial materials from discharging through the storm water conveyance system. Spilled or leaked industrial materials are cleaned up promptly and disposed of properly.
- The facility has identified and described all necessary and appropriate spill and leak response equipment, locations of spill and leak response equipment, and spill/leak response equipment maintenance procedures, in the facility's HMBP and SPCC plans. Spill kits are maintained throughout the facility and denoted in maps located in the facility's HMBP.

- The facility has designated and trained appropriate spill and leak response personnel, identified as the PPT in Table 1 above. Spill and leak response personnel are trained annually, at a minimum. Plant operations personnel are responsible for spill cleanup; an outside vendor is used to respond to significant spills. Spill response personnel receive OSHA hazard communication training and spill training consistent with the hazardous materials business plan and SPCC plan.
- Powered industrial truck maintenance shall be performed on tarps or other impervious materials to capture spills.

6.1.4 Material Handling and Waste Management

PG&E has a robust program for addressing material handling and waste management, as follows:

- The facility minimizes the handling of industrial materials or wastes that can be readily mobilized by contact with storm water during storm events through the use of awnings at loading docks.
- The facility appropriately contains stored non-solid industrial materials or wastes (e.g., lubricant oil) that can be transported or dispersed by the wind or contact with storm water by storing these materials in secondary containment with water tight lids.
- Industrial waste disposal containers (dumpsters and metal waste recycling bins) and industrial material storage containers that contain industrial materials are covered with lids or plastic tarps when not in use.
- Site run-on and storm water generated from within the facility is diverted away from material storage areas.
- Spills of industrial materials or wastes that occur during handling are cleaned up in accordance with the spill response procedures.
- Outdoor material or waste handling equipment or containers that can be contaminated by contact with industrial materials or wastes are inspected and cleaned, as appropriate.

6.1.5 Erosion and Sediment Controls

Erosion is not a significant issue at the site because approximately 28 percent is paved and the remainder is covered with a gravel cap or is vegetated (Figure 3). Therefore, erosion is not a problem at the site, and the facility does not implement erosion and sediment controls.

6.1.6 Employee Training Program

PG&E employees responsible for implementing the storm water program at the Facility will receive annual storm water training. The facility has identified which personnel require training (per Section 1.5), their responsibilities, and the type of training they will receive, and will prepare or acquire appropriate training materials and establish a schedule for providing the training. All participants will sign a Training Log that will be kept in Appendix D. This documentation will be maintained with the SWPPP. Annual training is required once every calendar year. At a minimum, training will cover the following topics:

- BMP implementation;
- BMP effectiveness evaluations;
- Visual observations; and

- Monitoring activities.

In the event the Facility enters Level 1 status (see Section 9), appropriate team members will be trained by a Qualified Industrial SWPPP Practitioner (QISP). A QISP must complete a SWRCB-approved training course and assist in the preparation of ERAs for Level 1 and 2 status designations which are described in further detail in Section 9 of this SWPPP.

6.1.7 Quality Assurance and Record-Keeping

PG&E has done [and will continue to perform] the following to retain proper quality assurance and record-keeping:

- The facility has developed and implemented management procedures to ensure that appropriate staff implements all elements of the SWPPP, including the Monitoring Implementation Plan;
- The facility has developed a method of tracking and recording the implementation of BMPs identified in the SWPPP, through the monthly inspection process; and
- The facility will maintain the BMP implementation records, training records and records related to any spills and clean-up related response activities for a minimum of five years.

6.2 Advanced BMPs (Permit Section X.H.2)

In addition to the minimum BMPs described above in Section 6.1 and in Section X.H.1 of the General Permit, the facility will, to the extent feasible, implement and maintain any advanced BMPs necessary to reduce or prevent discharges of pollutants in its storm water discharge in a manner that reflects best industry practice considering technological availability and economic practicability and achievability.

6.2.1 Exposure Minimization BMPs

The facility has installed permanent storm resistant shelters to prevent contact of storm water with certain kinds of materials. These areas include the hazardous materials/waste storage sheds, and the Laydown area (e.g., for waste and recycling dumpsters).

6.2.2 Storm Water Containment and Discharge Reduction BMPs

These BMPs include structures that divert, infiltrate, reuse, contain, retain, or reduce the volume of storm water runoff. As described in Section 4.5, the facility includes gravel caps to areas that haven't been paved or are not roofed which may increase infiltration at the site and prevent erosion. Additional BMPs will be explored and implemented as needed.

6.2.3 Treatment Control BMPs

- **Oil/Water Separator.** The site is equipped with an oil/water separator; however, since the effluent from the oil/water separator is conveyed to the municipal sanitary sewer (which is permitted through the publicly owned treatment works), this water is not considered storm water discharge. The oil (if any) is separated and sent offsite for proper disposal. The coalescer packs are inspected regularly and cleaned if indicated by inspection.

- **Parts Cleaner.** The site is equipped with a parts cleaner that is located outdoors on the east side of the maintenance shop. The manufacturer inspects the washer and replaces the solvent as necessary.
- **Drain Inlet Filters.** Filter screens (Dandy Pops®) are installed in storm water catch basins on the site, as appropriate, to capture sediment. The filter screens are cleaned and/or replaced as needed.
- **Stormwater Chemical Treatment/Filtration System.** The site is equipped with a standard chemical treatment and filtration system for the stormwater prior to discharge. The treatment system is located immediately adjacent to the existing outfall, E-006, to allow treatment of all of Gateway Generating Station's stormwater prior to discharge into the river. The system is expected to reduce the total iron content of the storm water effluent to less than or equal to 1 ppm.

Design of the system was precluded by volume-based calculations to meet the provisions of the IGP (see memo dated October 12, 2016 found in Appendix H). The volume of runoff produced from an 85th percentile 24-hour storm event and 85th Percentile Hourly Rainfall Intensity per the IGP, as determined from local, historical rainfall records produces a maximum of 229,562 gallons. The design volume processing rate of the treatment system is 468,895 gallons, both meeting and exceeding the volume-based calculations of the IGP.

Treatment steps for the treatment system are as follows:

1. The storm water is pH adjusted to allow the iron to precipitate out of the stormwater,
2. A chemical flocculating agent is added to clump the iron particles together,
3. The stormwater is settled and pumped over a series of small weirs to capture the solids,
4. Stormwater is then passed through the media filters for finer particulate removal,
5. The water is monitored real-time to assure it meets discharge criteria, if it does not meet pH or turbidity criteria, it is recirculated, and,
6. The treated stormwater is discharged into the San Joaquin River.

6.2.4 Other Advanced BMPs

At this time, the Facility does not implement other advanced BMPs. In the event that conditions change or monitoring results indicate a need, PG&E will consider additional advanced BMPs to address the changed conditions or constituents of concern.

7. TEMPORARY SUSPENSION OF ACTIVITIES (PERMIT SECTION X.H.3)

PG&E's Gateway Generating Station operates two shifts, seven days a week. The facility does not have any plans to suspend industrial activities for ten or more consecutive calendar days in any given year. Therefore, this section of the General Permit is not applicable.

8. BMP SUMMARY (PERMIT SECTIONS X.H.4 AND 5)

The following table summarizes each identified area of industrial activity, the associated industrial pollutant sources, the industrial pollutants, and the BMPs implemented. The approximate boundaries of Drainage Areas A and B are shown on Figure 2. The PPT identified in Section 1.5 is responsible for implementing all BMPs at the site. Some of the BMPs described below require the use of mechanical equipment, such as forklifts, in order to perform maintenance activities on the BMPs. PPT members are authorized to use the required equipment or to obtain the help of other facility staff to maintain the BMPs onsite. The facility mechanics are responsible for maintaining the mechanical equipment throughout the facility.

To retain effectiveness during and after significant weather conditions, certain BMPs need to be inspected more frequently than monthly. These BMPs will be informally inspected by PPT members during large rain events or following rain events.

Table III BMP Summary

Drainage Area	BMPs Implemented	Associated Industrial Pollutant Sources	Potential Industrial Pollutants	Frequency of BMP Implementation
Combustion turbines	Spill kit	Oil Filled Equipment (Transformers)	Petroleum hydrocarbons, heavy metals	As needed
	Secondary containment	Aqueous Ammonia for exhaust system	Aqueous Ammonia	As needed
	Check dams	All facility pollutants	Suspended Sediment	As needed
Oil and Universal Waste Storage Used Oil / Hazardous Waste Storage	Spill kits	Truck access	Petroleum hydrocarbons, heavy metals	As needed
	Parts Cleaner	Part Cleaning	Solvents, lubricants, metals	As needed
	Spill kits and secondary containment	Spills during shipping and receiving	Petroleum hydrocarbons, heavy metals	As needed
	Covered forklift parking	Forklift	Vehicle related pollutants	Daily
Water Treatment Plant	Spill kit	Truck access	Petroleum hydrocarbons, heavy metals	As needed
	Spill kits and secondary containment	Spills during shipping and receiving	Diesel, various chemicals	As needed
	Fueling Sump	Fuel	Petroleum	Permanent
Trash and Scrap Metal Dumpsters	Dumpsters have lids, roll offs are tarped	Spills during shipping and receiving	Metals and non-petroleum waste	Cover daily when not in use
	Storm resistant shelter	Waste	Metals, oils, suspended solids	Permanent

Warehouse	Run-on diversions	Run-on from neighboring facilities	Iron	Permanent
Discharge Location	Valves and Concrete Containment	All facility pollutants	All potential pollutants	Permanent
	Treatment and filtration			As needed
All Drainage Areas	Drain inlet filters	All pollutant sources	All potential pollutants	Permanent
	Rock-lined ditches	All pollutant sources	Suspended solids	Permanent
	Site has access control and security 24 hours a day, 7 days a week	All pollutant sources	All potential pollutants	As needed
	Oil/Water Separator	All pollutants	Oils and Grease	Daily
	Oil absorbent socks around various drain inlets	All pollutant sources	Oils and Grease	Daily
	Powder coated drain inlet grates	Rusting grates	Iron	Permanent
	“No Dumping, Drains to Delta Signs”	Illicit dumping	All potential pollutants	Permanent

9. MONITORING IMPLEMENTATION PLAN (PERMIT SECTION X.I)

As described above in Section 1.5, PG&E has assembled a PPT that includes members assigned to conduct storm water monitoring. The facility has one industrial discharge location which is also the sampling location. The discharge location (Sample Location E-006) is located at the northern perimeter of the facility. Analytical monitoring and visual observations will be conducted at the sampling location shown on Figure 2.

Procedures for Monthly Visual Observations

PG&E will conduct visual observations within the drainage area at the facility at least once per calendar month, which will include an evaluation of:

- Presence or indications of prior, current, or potential unauthorized NSWDS and their sources;
- Authorized NSWDS, sources, and associated BMPs; and
- Outdoor industrial equipment and storage areas, outdoor industrial activities areas, BMPs, and all other potential source of industrial pollutants.

Monthly visual observations will be conducted during daylight hours of scheduled facility operating hours and on days without precipitation. Visual observations will be recorded on the form provided in Appendix E. Information to be recorded will include the date, approximate time, locations observed, presence and probable source of any observed pollutants, name of person(s) that conducted the observations, and any response actions and/or additional SWPPP revisions necessary in response to the visual observations. To ensure adequate documentation of response action completion, a PPT member will initial and date the documented response action when the action is complete. If a monthly visual observation is not conducted, PG&E will provide an explanation in the Annual Report.

Procedures for Sampling Event Visual Observations

PG&E will conduct visual observations at the same time sampling occurs at a discharge location. At each discharge location where a sample is obtained, PG&E will observe the discharge of storm water associated with industrial activity and record these observations on the form provided in Appendix E. The same types of information will be recorded as for the monthly inspections. The following items will be observed and recorded:

- The appearance of storm water discharged from containment sources (e.g., secondary containment or sumps) at the time that the discharge is sampled;
- The presence or absence of floating and suspended materials, oil and grease, discolorations, turbidity, odors, trash/debris, and source(s) of any discharged pollutants.

In the event that a discharge location is not visually observed during a sampling event, PG&E will record which discharge locations were not observed during sampling or that there was no discharge from the discharge location and will provide an explanation in the Annual Report for uncompleted sampling event visual observations. PG&E will revise BMPs as necessary if the visual observations indicate pollutant sources have not been adequately addressed in the SWPPP. If any response actions are noted during Sampling Event Visual Observations, a PPT member will initial and date the documented response action when the action is complete.

Sampling and Analysis

Samples will be collected during Qualifying Storm Events (QSE). A QSE is defined as a precipitation event that produces a discharge for at least one drainage area and is preceded by 48 hours with no discharge from any Facility drainage area. PG&E will collect and analyze storm water samples from two QSEs within the first half of each reporting year (July 1 to December 31), and two QSEs within the second half of each reporting year (January 1 to June 30). Samples will be collected within four hours of the start of discharge at the E006 discharge/sampling location shown on Figure 2. The sampling point at E006 is upstream from the actual discharge into the San Joaquin River (Outfall), due to the comingling of our discharge with the neighboring industrial facility just after E006 and prior to Outfall.

Sampling will be performed in accordance with requirements of the General Permit. Use caution when collecting samples at night and do not collect samples without sufficient lighting. Samples will be collected and analyzed for pH, oil and grease, total suspended solids, and total iron (based on the facility's SIC code listed in Table 1 of the General Permit for additional analytical parameters). Sampling results will be compared to two types of NAL values based on the specific parameter to determine whether either type of NAL has been exceeded for each applicable parameter. Annual NAL exceedances are based on analytical results for the entire facility for the reporting year, while Instantaneous NAL exceedances are based on analytical results from each distinct sample. The table below describes test methods, reporting units, and NAL values:

Table IV NAL Values

Parameter	Test Method	Reporting Units	Annual NAL	Instantaneous Maximum NAL
pH	Portable instrument*	pH units	N/A	<6.0 or >9.0
Oil and Grease	EPA 1664A	mg/L	15	25
Total Suspended Solids	SM 2540-D	mg/L	100	400
Total Iron	EPA 200.7	mg/L	1.0	--
Electrical Conductivity			N/A	N/A

*The pH screen will be performed as soon as practicable, but no later than 15 minutes after the sample is collected and will be analyzed using a calibrated portable instrument for pH.

All instruments used for pH measurement will be properly calibrated in accordance with the manufacturer's instructions and recommended frequency, and copies of the calibration records will be maintained onsite. Samples for total iron, total suspended solids, oil and grease, and electrical conductivity will be analyzed by an analytical laboratory that is Environmental Laboratory Accreditation Program (ELAP)-certified. All samples will be collected in accordance with Attachment H of the General Permit ("Sample Collection and Handling Instructions") and handled under proper Chain-of-Custody (COC) protocols. General Permit Attachment H and an example COC are included in Appendix F.

Though there are Effluent Limitation Guidelines (ELGs) for Electric Power Generation facilities, which require copper and chlorine analysis, the regulation only applies to runoff from coal storage piles and therefore the ELGs for Electric Power Generation do not apply to this facility because coal is not stored or used at the facility.

Exceedance Response Actions

ERAs are required when an NAL exceedance occurs for any parameter. At the beginning of NOI coverage, PG&E will enter as a Baseline status for all parameters designated in Table IV above. If sampling results indicate an NAL exceedance [either annual or instantaneous] for any parameter listed in Table IV, the status will move up to Level 1 for that parameter on July 1st following the reporting year during which the exceedance occurred (i.e., if there was an instantaneous exceedance on September 30, 2015, Level 1 would begin on July 1, 2016). Moving to Level 1 status triggers two actions: a Level 1 ERA Evaluation and a Level 1 ERA Report, both prepared with assistance of a QISP.

- A Level 1 ERA Evaluation, due by October 1 following commencement of Level 1 status, consists of completing an evaluation of the industrial pollutant sources at the facility that may be related to the NAL exceedance and evaluate all BMPs to determine if revisions are necessary to prevent future NAL exceedances.
- A Level 1 ERA Report, due by January 1 following commencement of Level 1 status, is prepared after the Level 1 ERA Evaluation and consists of revising the SWPPP as necessary to implement any additional BMPs identified in the Evaluation and submitting via SMARTS the Level 1 ERA Report with details regarding SWPPP revisions and the results of the Evaluation.

A Level 1 status for any exceeded parameter will return to Baseline status once the Level 1 ERA Report has been completed, additional BMPs have been implemented, and results from four consecutive QSEs indicate no additional NAL exceedances for that parameter.

The status for any exceeded parameter will change to Level 2 if sampling results indicate an NAL exceedance for that same parameter while in Level 1 (i.e., if Level 1 was implemented on July 1, 2015 and an exceedance occurred on December 1, 2015, Level 2 would be triggered on July 1, 2016). Moving to Level 2 status triggers two actions: a Level 2 ERA Action Plan and a Level 2 ERA Technical Report, both prepared with assistance of a QISP.

- A Level 2 ERA Action Plan, due by January 1 following the reporting year during which the NAL exceedance occurred, consists of a schedule and description of implementing a particular demonstration, as described in the Level 2 Technical Report, in response to the NAL exceedance.
- A Level 2 ERA Technical Report, due by January 1 of the reporting year following the submittal of the Level 2 ERA Action Plan, describes one or more of the demonstrations in response to the NAL exceedance: Industrial Activity BMPs Demonstration, Non-Industrial Pollutant Source Demonstration, and/or Natural Background Pollutant Source Demonstration (as described in the General Permit Section XII.D.2).
- A Level 2 ERA Technical Report may be prepared and submitted at any time, whether or not the Facility is required to submit such a report.

A new Level 2 NAL exceedance is any Level 2 NAL exceedance for 1) a new parameter in any drainage area, or 2) the same parameter that is being addressed in an existing Level 2 ERA Action Plan in a different drainage area.

NAL exceedances, in and of themselves, are not violations of the General Permit. Failure to comply with the Level 1 status and/or Level 2 status ERA requirements is in violation of the General Permit.

PG&E Gateway Generation Station ERA Status

<i>Reporting Year</i>	<i>ERA Level Status</i>	<i>Parameter</i>	<i>Level 1 ERA Evaluation Completion Date</i>	<i>Level 1 ERA Report Submittal Date</i>	<i>Level 2 ERA Action Plan Submittal Date</i>	<i>Level 2 ERA Technical Report Submittal Date</i>

2015-2016	Baseline	N/A	N/A	N/A	N/A	N/A
2016-2017	Level 1	Iron, Total	09/27/2016	12/30/2016	N/A	N/A

See Appendix H for the ERA Evaluation(s) and Report(s)

Reporting

PG&E will submit all sampling and analytical results via SMARTS within 30 days of obtaining all results for each sampling event. In the event a sample's analytical result is reported by the laboratory as non-detect or less than the method detection limit, the method detection limit will be provided. A value of zero will not be reported.

PG&E will provide the sample analytical results reported by the laboratory as below the minimum level (often referred to as the reporting limit) but above the method detection limit. Reported analytical results from multiple discharge points will be averaged automatically by SMARTS. For any calculations required by this General Permit, SMARTS will assign a value of zero for all results less than the minimum level as reported by the laboratory.

10. ANNUAL REPORTING (PERMIT SECTIONS XV AND XVI)

PG&E will conduct an Annual Comprehensive Facility Compliance Evaluation (Annual Evaluation) each reporting year (July 1 to June 30). If the Annual Evaluation is conducted fewer than eight months, or more than sixteen months, after the previous Annual Evaluation, the facility will document the justification for doing so. Within 90 days of the Annual Evaluation, PG&E will revise the SWPPP, as appropriate, and implement the revisions. At a minimum, the Annual Evaluation will cover the following:

- Review of all sampling, visual observation, and inspection records conducted during the previous reporting year;
- Inspection of all areas of industrial activity and associated potential pollutant sources for evidence of, or the potential for, pollutants entering the storm water conveyance system;
- Inspection of all drainage areas previously identified as having no exposure to industrial activities and materials in accordance with the definitions in Section XVII;
- Inspection of equipment needed to implement the BMPs;
- Inspection of all site BMPs;
- Review and effectiveness assessment of all BMPs for each area of industrial activity and associated potential pollutant sources to determine if the BMPs are properly designed, implemented, and are effective in reducing and preventing pollutants in industrial storm water discharges and authorized NSWDs; and
- Assessment of any other factors needed to comply with the requirements in Section XVI.B.

Information gathered during the Annual Evaluation will be recorded on the form provided in Appendix E.

Annual Report

PG&E will certify and submit via SMARTS an Annual Report no later than July 15th following each year. The Annual Report will be created by the Environmental Compliance Manager, reviewed by the Subject Matter Expert, and certified by the Legally Responsible Party. The Annual Report will include the following:

- A Compliance Checklist that indicates compliance with all applicable requirements of the General Permit;
- An explanation for any non-compliance of requirements within the reporting year;
- Identification of all revisions made to the SWPPP within the reporting year; and
- The date of the Annual Evaluation.

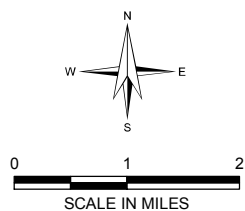
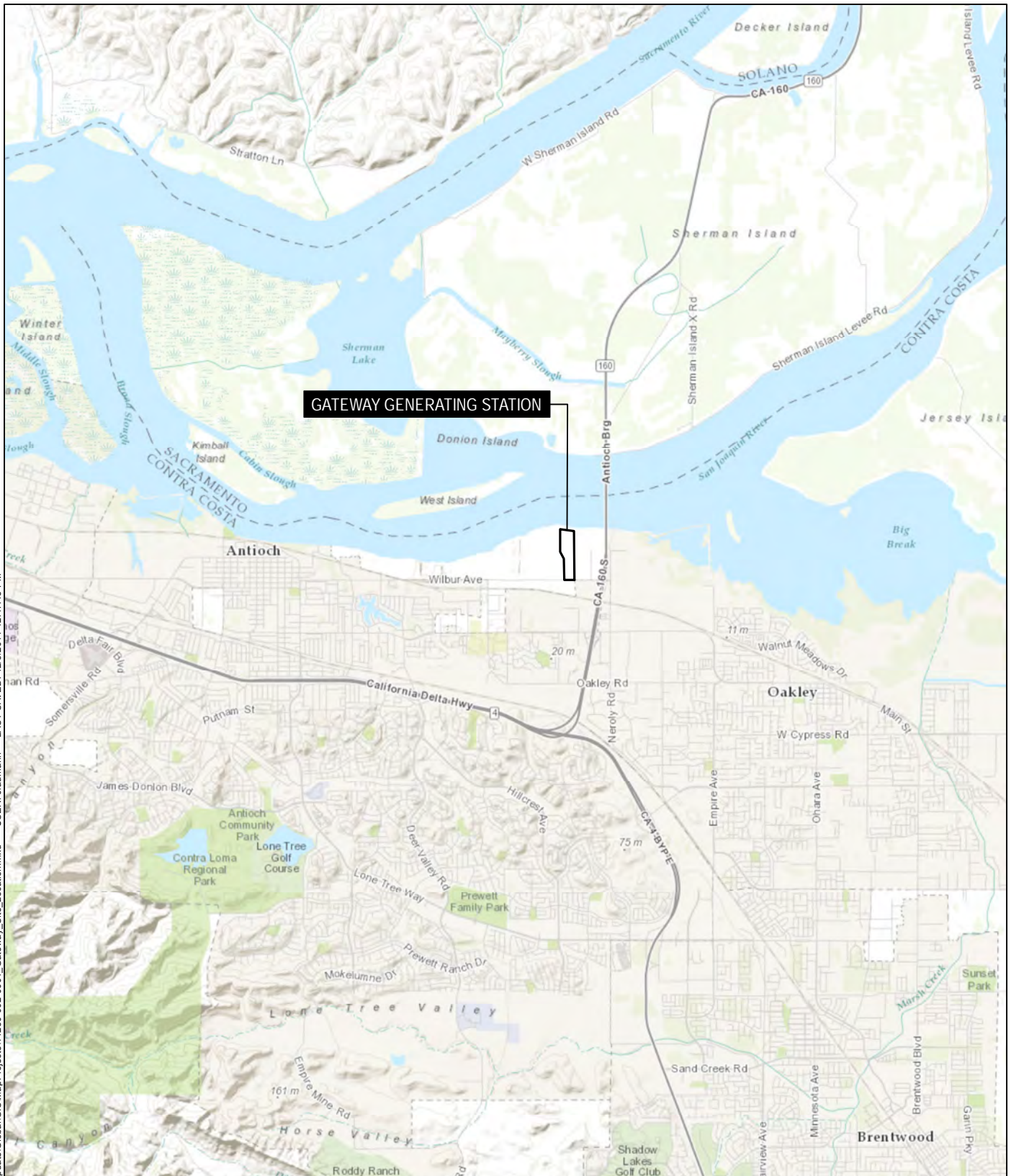
Copies of the Annual Report are included in Appendix G.

REFERENCES

1. California State Water Resources Control Board. Industrial Storm Water Permit for Discharges Associated with Industrial Activity (Order No. 2014-0057-DWQ). 2014.
2. Excerpts from Gateway Generating Facility Hazardous Materials Business Plan.
3. Spill Prevention, Control, and Countermeasures Plan for Gateway Generating Station, initially prepared by CH2MHill January 12, 2009 and revised August 2, 2013.

FIGURES

GIS FILE PATH: G:\41230_PGE_IGP_SWPPP_Update\Global\GIS\MapProjects\41230-002-0001_Gateway_Site_Location.mxd — USER: craumann — LAST SAVED: 12/3/2014 12:47:48 PM



BASE-MAP SOURCE: ESRI

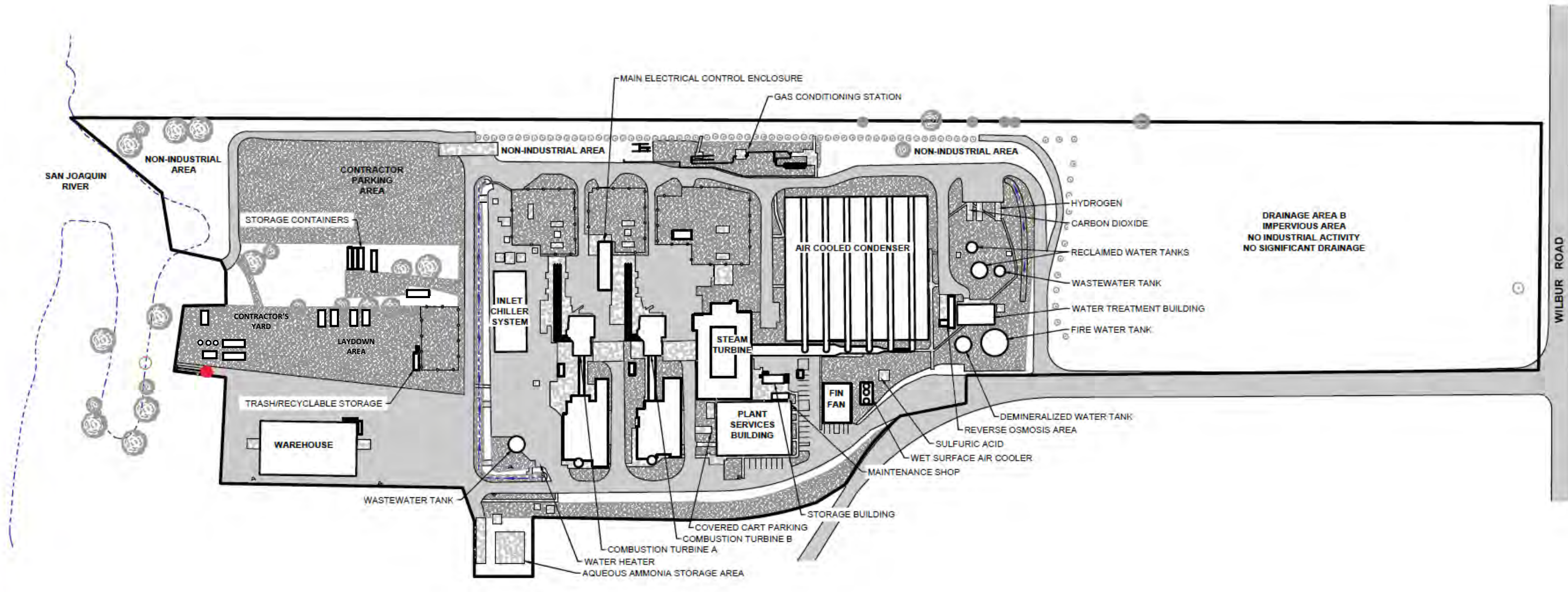
HALEY & ALDRICH

PACIFIC GAS AND ELECTRIC COMPANY
GATEWAY GENERATING STATION
ANTIOCH, CALIFORNIA

SITE LOCATION

DECEMBER 2014

FIGURE 1

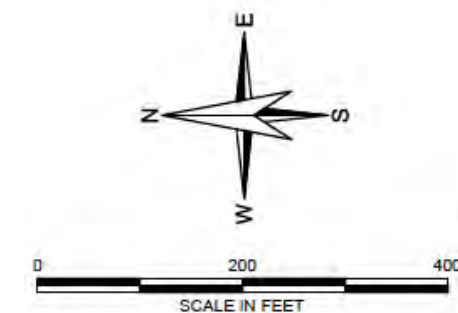


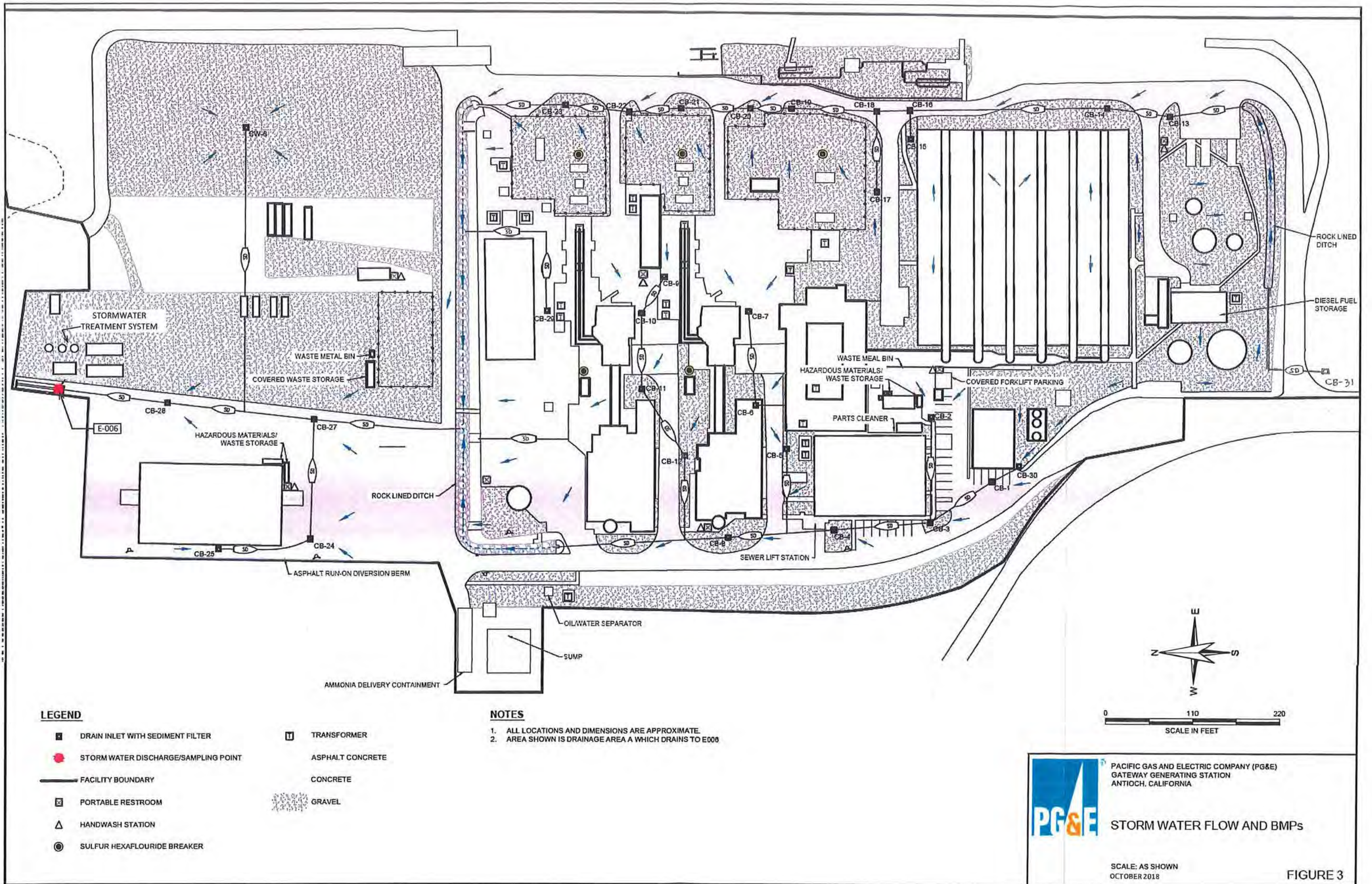
LEGEND

- STORM WATER DISCHARGE/SAMPLING POINT
- FACILITY BOUNDARY
- CO-MINGLED OUTFALL POINT
- ASPHALT CONCRETE
- CONCRETE
- GRAVEL
- TREE/VEGETATION

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.





APPENDIX A

**General Permit for Storm Water Discharges Associated with Industrial Activities
(State Water Resources Control Board Order 2014-0057-DWQ)**

APPENDIX B

Permit Registration Documents



State Water Resources Control Board

NOTICE OF INTENT

GENERAL PERMIT TO DISCHARGE STORM WATER
ASSOCIATED WITH INDUSTRIAL ACTIVITY (WQ ORDER No. 2014-0057-DWQ)
(Excluding Construction Activities)



GAVIN NEWSOM
GOVERNOR



JARED BLUMENFELD
SECRETARY FOR
ENVIRONMENTAL PROTECTION

WDID: 5S07I021950

Status: Active

Operator Information

Type: Private Business

Name: Pacific Gas Electric Company

Contact Name: Tim Wisdom

Address: PO Box 770000

Title: Plant Manager

Address 2:

Phone Number: 925-522-7812

City/State/Zip: San Francisco CA 94177

Email Address: T1WY@pge.com

Federal Tax ID:

Facility Information

Level:

Contact Name: Angel Espiritu

Title: Environmental Compliance Manager

Site Name: Gateway Generating Station

Address: 3225 Wilbur Ave

City/State/Zip: Antioch CA 94509

Site Phone #: 925-522-7838

County: Contra Costa

Email Address: abe4@PGE.com

Latitude: 38.01228

Longitude: -121.75859

Site Size: 32.5 Acres

Industrial Area Exposed to Storm Water: 22 Acres

Percent of Site Impervious (Including Rooftops): 28 %

SIC Code Information

1. 4911 Electric Services

2.

3.

Additional Information

Receiving Water: San Joaquin River

Flow: Indirectly

Storm Drain System:

Compliance Group:

RWQCB Jurisdiction: Region 5S - Sacramento

Phone: 916-464-3291

Email: r5s_stormwater@waterboards.ca.gov

Certification

Name: stephen royall

Date: June 14, 2017

Title: Senior Plant Manager



State Water Resources Control Board
NOTICE OF INTENT
GENERAL PERMIT TO DISCHARGE STORM WATER
ASSOCIATED WITH INDUSTRIAL ACTIVITIES (WQ ORDER No. 2014-0057-DWQ)
(Excluding Construction Activities)



EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

WDID: 5S07I021950

Status: Active

Operator Information

Type: Private Business

Name: Pacific Gas Electric Company

Contact Name: Benjamin Stanley

Address: PO Box 770000

Title: Senior Plant Manager

Address 2:

Phone #: 925-522-7812

City/State/Zip: San Francisco CA 94177

Email: BESN@pge.com

Federal Tax ID: 94-0742640

Facility Information

Level:

Site Name: Gateway Generating Station

Contact Name: Angel Espiritu

Address: 3225 Wilbur Ave

Title: Environmental Compliance Manag

City/State/Zip: Antioch CA 94509

Site Phone #: 925-522-7838

County: Contra Costa

Email: ABE4@PGE.com

Latitude: 38.01228

Longitude: -121.75859

Emergency:

Total Site Size: 32.5 Acres

Percent of Site Impervious (including rooftops): 28 %

Industrial Area exposed to Storm Water: 22 Acres

SIC Code(s)

Primary SIC: 4911

Electric Services

Secondary SIC:

Tertiary SIC:

Additional Information

Receiving Water: San Joaquin River

Water Flow: Indirectly

Storm drain system:

Compliance Group:

RWQCB Jurisdiction: Region 5S - Sacramento

Phone: 916-464-3291

Email: r5s_stormwater@waterboards.ca.gov

Certification

Name Benjamin Stanley

Date: June 03, 2015

Title: Senior Plant Manager

Attachments Meta Data Information:

Attachment ID	File Name	File Description	File Hash	File Size	Date Attached	Attachment Type
1393445	14-15 AR & Recert Reminder Letter	14-15 AR & Recert Reminder Letter	e4101d3683ba9ccd e463ee75ce71789 3ca19ad7dfa27b69 cde4b24692d959	199940	2015-05-04 07:10:34.0	Other

APPENDIX C

SWPPP Amendment Form

SUMMARY OF SWPPP AMENDMENTS OR REVISIONS

[illegible]

APPENDIX D

Training Log, including training material

SWPPP Training Log

Name of Trainer: _____

Location of Training: _____ Date of Training: _____

Signature of Trainer: _____

Topics covered:

- ☐ SWPPP Compliance Responsibilities
- ☐ BMP Implementation and Maintenance
- ☐ BMP Effectiveness Evaluations
- ☐ Visual Observations
- ☐ Monitoring Activities
- ☐ SMARTS Reporting

[illegible]

APPENDIX E

**Industrial Storm Water Facility Inspection and Visual Observation Form
Annual Evaluation Form
Sampling Log**

Industrial Storm Water Facility Inspection and Visual Observation Form

General Information						
Facility Name		Gateway Generating Station				
WDID No.		5S07I021950				
Date of Inspection			Start/End Time			
Inspector's Name(s)						
Inspector's Title(s)						
Inspector's Contact Information						
Inspector's Qualifications						
Inspector's Signature						
Type of Inspection ^{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 duplicates taken? <input type="checkbox"/> Yes <input type="checkbox"/> No			
Discharge Location	% Total Daily Flow	pH	Time
Sum % Flow (Must = 100)	0		
pH Calculated Average:		#NUM!	
Other Parameters (check those collected)			
Oil and Grease <input type="checkbox"/>	Other: _____ <input type="checkbox"/>		
Total Suspended Solids (TSS) <input type="checkbox"/>	Other: _____ <input type="checkbox"/>		
Other: _____ <input type="checkbox"/>	Other: _____ <input type="checkbox"/>		
Other: _____ <input type="checkbox"/>	Other: _____ <input type="checkbox"/>		
Was a chain of custody completed? <input type="checkbox"/> Yes <input type="checkbox"/> No			
Additional Sampling Notes/Exception Documentation			
Estimated Event End:			

APPENDIX F

General Permit Attachment H “Sample Collection and Handling Instructions” and Example Chain of Custody Form

ATTACHMENT H

SAMPLE COLLECTION AND HANDLING INSTRUCTIONS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
GENERAL PERMIT FOR STORM WATER DISCHARGES
ASSOCIATED WITH INDUSTRIAL ACTIVITIES
(GENERAL PERMIT)

For more detailed guidance, Dischargers should refer to the U.S. EPA's "Industrial Stormwater Monitoring and Sampling Guide," dated March 2009, available at: http://www.epa.gov/npdes/pubs/msgp_monitoring_guide.pdf 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: Laboratory: Laboratory Contact:_____				Project:				ANALYSIS REQUIRED																																			
								Total Suspended Solids	Oil & Grease	Total Iron																		Field readings: (Include units) Time of readings _____ pH _____ pH unit Field readings QC: Checked by: _____ Date _____															
Sample I.D.				Sampling Date/Time		Preservative	Bottle #																						Comments														
Outfall 001	W																																										
Outfall 002	W																																										
Outfall 003	W																																										
Duplicate	W																																										
Relinquished By							Date/Time:							Received By							Date/Time:			Turn-around time: (Check) 24 Hour: _ 72 Hour: _ 10 Day: _____ 48 Hour: _ 5 Day: _ Normal: _____																			
Relinquished By							Date/Time:							Received By							Date/Time:			Sample Integrity: (Check) Intact: _ On Ice: _____																			
Relinquished By							Date/Time:							Received By							Date/Time:																						

APPENDIX G

Annual Reports

APPENDIX H

ERA Evaluations and Reports

APPENDIX I

**Advanced Treatment System (Chemical & Filtration) Operating Manual,
including the Gateway Generation Station Quick Operations Guide and Operating Log**

Gateway Generating Station
(00-AFC-1C)

Annual Compliance Report No. 13

Exhibit 7
Biological Record Summaries
(BIO-2)

Gateway Generating Station California Energy Commission 2021 Annual Biological Compliance Report

PREPARED FOR: Angel Espiritu/PG&E Gateway Generating Station Compliance Manager

PREPARED BY: Gateway Generating Station Designated Biologist
Richard Crowe/Jacobs

COPIES: Jerry Salamy/Jacobs Project Manager
Amy Krisch Co-Designated Biologist/PG&E

DATE: March 10, 2022

Introduction

This Gateway Generating Station (GGS) Annual 2021 Biological Resources Compliance Report fulfills the California Energy Commission (CEC) requirement of Condition of Certification (COC) BIO-2. Condition BIO-2 Verification states; "During project operation, the Designated Biologist shall submit record summaries in the Annual Compliance Report."

On December 19, 2006, Pacific Gas and Electric Company (PG&E) filed a petition (TN 38720) with the CEC requesting to amend the Energy Commission 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 Energy Commission on May 30, 2001. Construction of the facility started late in 2001 and was suspended in February of 2002 due to financial difficulties, with approximately 7 percent of construction completed. On July 19, 2006, the Energy Commission approved¹ the addition of PG&E as co-owner of the project with Mirant Delta, LLC. On December 4, 2006, PG&E filed a petition² 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.

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 Conditions BIO-7, 10 and 11 being eliminated; also, additional minor changes were made to Conditions 5, 6 and 9.³

¹ <http://docketpublic.energy.ca.gov/PublicDocuments/Compliance/00-AFC-1C/2006/Jul/TN%2037478%2007-19-06%20Filing%20of%20Notice%20of%20Decision%20in%20compliance%20with%20Public%20Resources%20Code%20Section%201080.5%20and%20Title%2020%20Ca%20.pdf>

² <http://docketpublic.energy.ca.gov/PublicDocuments/Compliance/00-AFC-1C/2006/Dec/TN%2038529%2012-04-06%20PG-E's%20Petition%20for%20Minor%20Amendment%20to%20Clarify%20it%20is%20the%20Sole%20Owner.pdf>

³ <http://docketpublic.energy.ca.gov/PublicDocuments/Compliance/00-AFC-1C/2007/Aug/TN%2041809%2008-01->

GGs construction, including restoration activities, was completed in June 2009.

2021 Monitored Activities and Wildlife Interaction

PG&E has complied with the biological resource COCs, including having the Designated Biologists (DB) or an alternative Biologist perform pre-disturbance surveys, and when necessary, evaluate/demarcate nesting bird activity and other measures as appropriate within the facility. All new employees and contract workers employed at the site received the CEC-approved Worker Environmental Awareness Program training (WEAP) via video or lecture and daily tailgate training with the DB or the PG&E GGS Compliance Manager Angel Espiritu (CM). The DB remained on-call throughout 2021.

The on-call monitoring and compliance efforts for the 2021 calendar year are documented in chronological order below and within Appendix A, Site Photos.

February 3rd, the DB and CO DB received a request from the GGS CM concerning the need for a pre-disturbance survey in support of planned mowing and herbicide application. The mowing and herbicide application was scheduled to begin February 22 with the disturbance area being mainly in the southern portion of the GGS site (Photo 1).

February 18th, the CO DB surveyed the areas of disturbance in support of the planned mowing and herbicide application. The CO DB reported that no nesting birds or mammals were observed in the planned areas of disturbance.

February 23rd, the landscape contractor performing the planned mowing and herbicide application reported to GGS staff that they had observed an Anna's hummingbird (*Calypte anna*) nest in a redwood tree (Photo 2). The GGS personnel marked off the tree and nest area with protective exclusion flagging (Photo 3). Work in the nest area was suspended until nesting has been completed.

March 22nd, the DB and CO DB received a request to resurvey the hummingbird nest area and the other previously surveyed areas because work was scheduled in the nest area for April 26th. The CO DB scheduled a follow-up survey of the nest area for April 21st.

April 21st, the CO DB conducted a pre-disturbance survey of the planned disturbance area (Photo 1). The pre-disturbance survey results were negative for nesting birds and mammals and the Anna's hummingbird nest that was discovered on February 23rd was empty (Photo 4).

May 11th, the DB received an e-mail from the GGS Maintenance Supervisor Aman Prakash Singh (GGS MS) concerning the observation of a single pigeon (*Columba livia*) egg observed on top of a barrel (Photo 5). The egg was described as cold to the touch, no nest structure was observed with the single egg and no adult was observed in the area. The DB asked GGS personnel to dispose of the egg and noted that the observation would be documented in the annual compliance report.

June 8th, the DB received an e-mail from the GGS MS concerning the observation of a mourning dove (*Zenaida macroura*) nest that was observed on the north side of the control room (Photo 6). The GGS MS stated that the nest was not in a critical area and that GGS personnel had already erected protective exclusion flagging around the nest site (Photo 7).

July 20th, the DB was informed by GGS personnel that the nesting mourning dove was still being observed in the nest area north of the control room.

September 7th, the DB received an e-mail with a photo of the empty mourning dove nest that was observed north of the control room (Photo 8). The DB requested that the nest be removed from the area and that the exclusion tape be removed from the area.

Conclusion

The Gateway Generating Station complied with all biological resource COCs and the mitigation/avoidance measures specified in the BRMIMP during the year 2021.

Appendix A

Site Photos

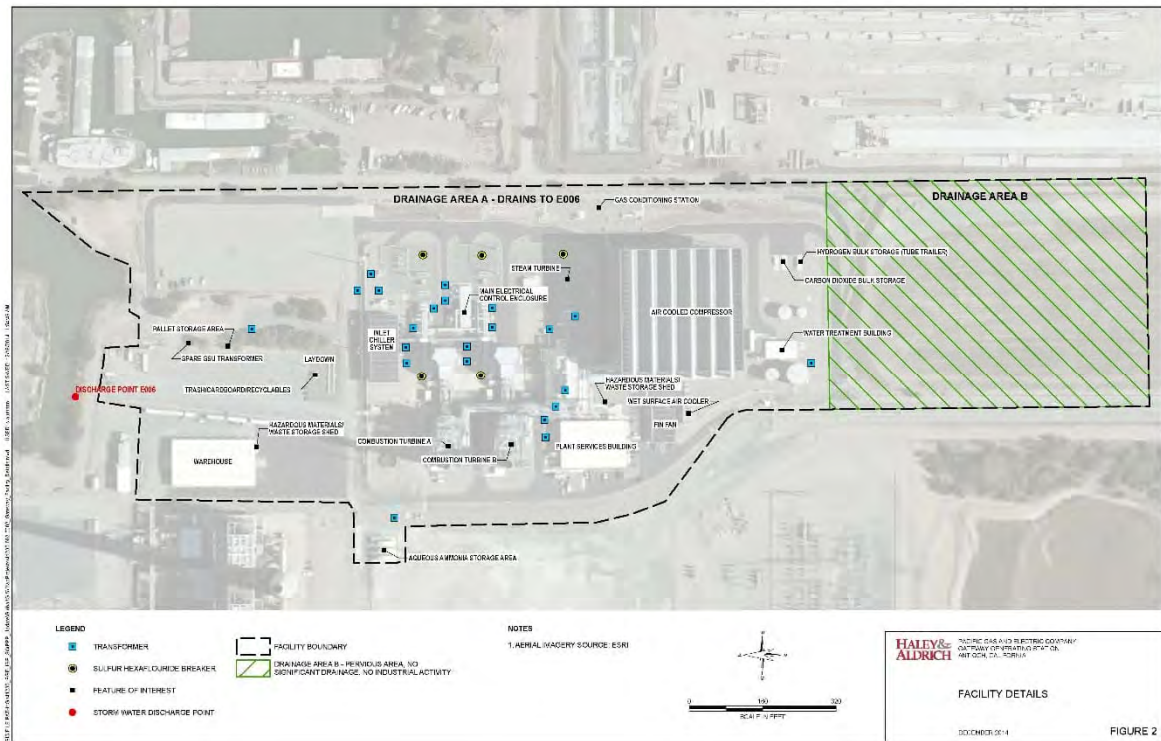


Photo 1, site plan for pre-disturbance nesting bird survey, green hash marks represent area of disturbance, 2-3-21.



Photo 2, of hummingbird nest observed in redwood tree, 2-23-21



Photo 3, of hummingbird nest with protective flagging in place, 2-23-21.



Photo 4, close-up of empty hummingbird nest, 4-21-21.



Photo 5, of single pigeon egg observed on a barrel with no nest structure, 5-11-21.



Photo 6, of mourning dove nest observed in out building just north of control room, 6-8-21.



Photo 7, of protective flagging identifying area with a mourning dove nest, 6-8-21.

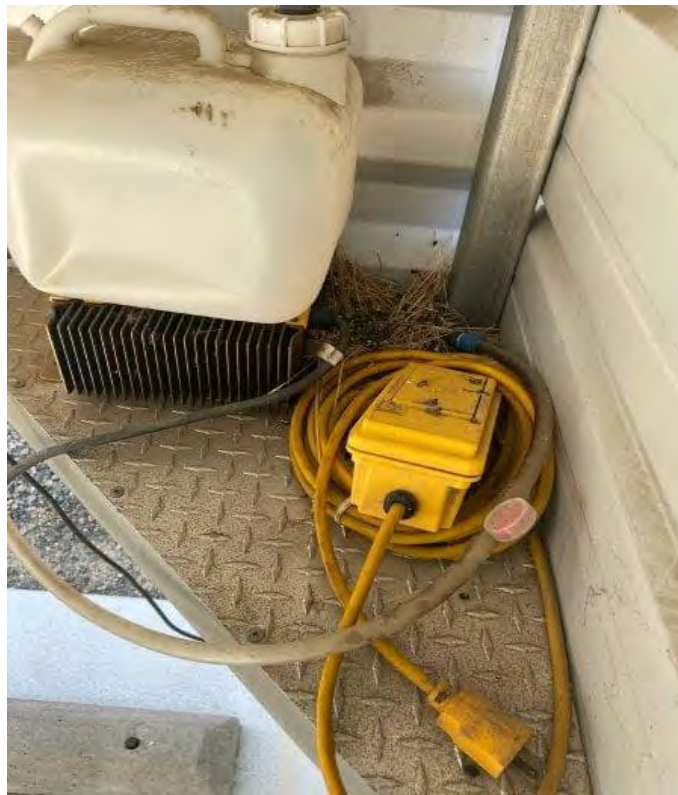


Photo 8, of dove nest after mourning dove fledged. 9-7-21.