



Sunnyvale

Water Pollution Control Plant
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Sunnyvale, CA 94088-3707
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Sunnyvale.ca.gov

TV Tracking #1286 (Semi-Annual)

1. RECEIVED IN
ENFORCEMENT: 01/26/2026

January 30, 2026

Director of Compliance and Enforcement
Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105

Attn: Title V Reports

Re: Semiannual Monitoring Report, City of Sunnyvale Water Pollution Control Plant, Facility No. A0733

To Whom It May Concern:

Per Section I, Part F of its Title V permit, the City of Sunnyvale Water Pollution Control Plant (Facility No. A0733) is submitting this Semiannual Monitoring Report for the period from July 1 through December 31, 2025. After reasonable inquiry, we conclude the following regarding this period of operation:

- There were no deviations during this reporting period;
- All reports were submitted on time; and
- All CEM QA procedures, methodologies, and maintenance were performed as required.

PGF Input Heat Limits Monitoring [Condition 10844(2)]:

S-14 and S-15 gas throughput for each fuel type is monitored continuously at five-second intervals on a daily basis, well in compliance with the required 15-minute interval. Monthly samples are collected from each fuel stream and analyzed for the high-heat value, which is used with the gas throughput to calculate the daily and consecutive 12-month total heat inputs for each engine to determine compliance with the respective limits.

The IHV values for both engines were maintained below the 200 MMBTU limit during the reporting period. Furthermore, the WPCP remained in compliance with the 72,000 MMBTU annual total limit throughout the reporting period.

Source Test [BAAQMD 8-34-301.4; Condition 10844(6)]:

The last annual source test for S-14 was performed on February 3, 2025. The report was submitted to BAAQMD on March 7, 2025, and the results indicated compliance with all emission limits. S-15 source test was performed on March 6, 2025. This test was completed past the annual deadline due to S-15 being out for repair during the testing time period. The report was submitted to BAAQMD on April 22, 2025, and the results indicated compliance with all emission limits. However, the contractor performing the testing

made a mistake on the report and issued a revision to Sunnyvale on May 13, 2025. This revision revealed an NMOC (POC) ppm @3% O₂ value of 130.9 ppm with a limit of 120 ppm. Due to BAAQMD Regulation 8-34-301.4 NMOC results are within 10% of the 120 ppm limit and is therefore within the requirements. A revised copy was issued to BAAQMD on May 13, 2025.

PGF Combustion Temperature Monitoring [Condition 10844(8)]:

The thermocouple data collected during this reporting period are accurate, reflective of the operating conditions of S-14 and S-15, and in compliance with Condition 10844(8).

PGF Quarterly Emissions Monitoring [9-8-503, 9-8-302.1, 9-8-302.3]:

Third and fourth quarter emissions monitoring events for S-14 and S-15 were conducted on September 26 and November 18, 2025, respectively. All results were in compliance with the applicable emissions limits of 70 ppm NO_x and 2,000 ppm CO.

RICE Oil Change Frequency [Table 2d.13 of NESHAP 63.6603(a)]:

There were no exceedances of the 1,440-hour limit for oil and filter changes and hose and spark plug inspections, as established in Table 2d.13 of NESHAP 63.6603(a), for all applicable RICE engines at the facility.

Emergency Standby Diesel Generator Reliability-Related Activities [Condition 22850(1)]:

During the reporting period, reliability-related activities performed on the emergency standby diesel generators (S-26 and S-27) were in compliance with the limitation of ≤ 50 hours/year.

Landfill Gas Component System Leak Testing [8-34-301.2]:

Third and fourth quarter monitoring of the landfill gas system components were conducted on July 29 and August 5 and November 7, 2025, to identify any presence of organic compound concentrations above the permit limit of 1,000 ppmv measured as methane. On July 29, 2025, concentrations of 4,075 ppmv were detected at S-15. Work orders were issued and repairs made by WPCP Maintenance staff members. The equipment was retested on August 5, 2025, and was in compliance with the limits. On November 7, 2025 the blower for S-14/S-15 exceeded the limit with a result 7,078 ppmv. Repairs were made immediately, retesting was conducted, and the blower returned to compliance.

Landfill Gas Emission Control System [8-34-113.2]:

During the reporting period, the LFG emission control system was in compliance with the shutdown time limitation of ≤ 240 hours/year.

I am the responsible person for the City of Sunnyvale Water Pollution Control Plant. I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate and complete.

Please contact Julie Choun at (408) 730-7282 or jchoun@sunnyvale.ca.gov if you have any questions or comments on this report.

Sincerely,

Ramana Chinnakotla

Ramana Chinnakotla
Director, Environmental Services Department






2025 07-12 BAAQMD Semiannual Monitoring Report - Sunnyvale (Facility A0733)

Final Audit Report

2026-01-26

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