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BAY AREA AIR QUALITY
MANAGEMENT DISTRICT

January 30, 2015

Director of Compliance and Enforcement
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109

Attn: Title V Reports

Re: *Semiannual Monitoring Report for Plant No. A0733*

The City of Sunnyvale Water Pollution Control Plant (No. A0733) is submitting this Semiannual Monitoring Report for the period ending December 31, 2014, to meet Standard Condition F, and provide a report for Permit Condition 10844, 19978, and 8-34-301 as required by our Major Facility Review Permit.

Sources S-14 and S-15 comprise the Power Generation Facility (PGF) at the Plant, which are powered by a combination of digester gas, landfill gas, and air-blended natural gas. Sources S-16, S-17, and S-18 correspond to the Main Influent Pump Engines and are driven primarily by digester gas. The monitoring required by this permit and the monitoring results are summarized below:

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

Gas throughput of S-14 and S-15 are monitored on a daily basis. Gas heat values are monitored monthly and heat input is calculated accordingly. All calculated values were in compliance with the permitted limit of 200 MMBTU over the entire reporting period.

PGF Annual Source Test [Condition 10844 (4, 6)]:

The Annual Source Test for S-14 and S-15 was conducted on February 10, 2014. Analytical results were submitted to your office on March 18, 2014, and reported in the Semiannual Monitoring Report for the period ending June 30, 2014. Those results were in compliance with the emission limits and regulations specified in the permit.

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

Quarterly monitoring was conducted on September 24 and October 20, 2014 to identify any presence of organic compound concentrations above the permit limit of 1,000 ppmv, measured as methane, associated with the landfill gas system components on the facility. Monitoring results for the reporting period were below the equipment detection limit of 500 ppmv and therefore in compliance with BAAQMD regulations.

Sulfur Compounds Monitoring [Condition 19978 (2)]:

Total reduced sulfur compounds in the digester gas used to operate S-16, S-17, and S-18 are monitored quarterly. The results provided following table demonstrate compliance with the 1,550 ppmvd limit:

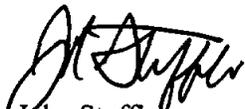
**ADDRESS ALL MAIL TO: P.O. BOX 3707 SUNNYVALE, CALIFORNIA 94088-3707
TDD (408) 730-7501**

Total Reduced Sulfur Compounds – Draeger Tube Test results				
Sources: S-16, 17 & 18	Date of Test	Requirement	Result ppmv (dry)	Compliant (Y/N)
First Quarter Sampling:				
Digester Gas	7/2/2014	19978 (2)	920	Y
Second Quarter Sampling:				
Digester Gas	10/8/2014	19978 (2)	1,000	Y

I am the responsible person for the City of Sunnyvale Water Pollution Control Plant, and I certify that this report is true, accurate, and complete.

Please contact Melody Tovar at (408) 730-7808 if you have any questions or comments on this report.

Sincerely,



John Stufflebean

Director, Environmental Services Department

cc: Melody Tovar, Regulatory Programs Division Manager
Simon P. Margolis, BAAQMD – *email*