

San Francisco International Airport

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November 26, 2012

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

BAY AREA AIR QUALITY  
 MANAGEMENT DISTRICT

Attn: Title V Reports

Subject: 2012-2013 Semi-annual Monitoring Report and Compliance Certification for Plant No. 1784

The Airport is hereby submitting our semi-annual monitoring report for 2012-2013 period in compliance with the requirements of Title V Permit issued to the Airport on April 14, 2004 for Plant No. 1784 and renewed in April 2012. This report covers the 6-month period from April 1, 2012 through September 30, 2012. The Airport has been in compliance with all of the conditions of our permit during this reporting period. The attached monitoring data for the anaerobic sludge digester unit gas flaring operations show that H<sub>2</sub>S concentration in the digester gas was consistently below the allowable limit of 2,250 ppm except on five occasions when H<sub>2</sub>S exceeded the Draeger unit detection limit of 2500 ppm. Also SO<sub>2</sub> concentration exceeded the Draeger unit detection limit of 150 ppm during all monitoring events however SFO is investigating the validity of the Draeger unit measurements and will report to BAAQMD the results of our investigation. Opacity monitoring for the digester gas flaring operations did not indicate any Ringleman Chart Reading above zero during this period.

I certify to the best of my knowledge that data submitted in this report is true, accurate and complete.

Please call me at 650-821-7841 or Houshang Esmaili at 650-821-3632 if you have any questions or comments regarding this submittal.

Sincerely,



Sam Mehta  
 Environmental Services Manager

Attachment

cc: 1) Director of the Air Division, US EPA, Region IX  
 75 Hawthorne Street  
 San Francisco, CA 94105  
 Attn: Air-3  
 2) Mr. Hari S. Doss, BAAQMD

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SAN FRANCISCO INTERNATIONAL AIRPORT  
MEL LEONG TREATMENT PLANT (Sanitary Plant)  
Bay Area Air Quality Management District - Permit for Facility # A1784

**ANAEROBIC DIGESTER GAS**

**Sulfur Monitoring**

**April-September 2012**

**Monitoring Type:** Sulfur in Digester Gas  
**Limit:** H2S: 2250 ppm, SO2 300 ppm (dry)  
**Method:** CMS Analyzer, Draeger, using SO2 chips at 5-150 PPM Range, and Hydrogen sulfide chips 20-500 ppm range, and 100-2500 ppm range

Date	Time	Hydrogen Sulfide (ppm)	Sulfur Dioxide (ppm)	Analyst
4/6/2012	15:15	900	>150	Sophie Mackey/R.Hoelzel
4/13/2012	9:08	1100	>150	SJN/RH
4/20/2012	13:55	330	>150	SJN/RH
5/1/2012	14:40	>2500	>150	SJN/RH
5/4/2012	9:06	1600	>150	Sophie Mackey/R.Hoelzel
5/14/2012	14:10	>2500	>150	SJN/RH
5/18/2012	13:25	>2500	>150	SJN/RH
6/1/2012	13:20	>2500	>150	SJN/RH
6/8/2012	13:35	>2500	>150	SJN/RH
6/25/2012	7:00	2420	>150	SJN/RH
7/2/2012	13:20	1790	>150	SJN/RH
7/13/2012	14:04	1380	>150	SJN/RH
7/27/2012	14:30	1150	>150	SJN/RH
8/3/2012	7:15	1360	>150	SJN/RH
8/10/2012	13:40	1090	>150	SJN/RH
8/17/2012	14:45	1000	>150	SJN/RH
8/24/2012	14:40	1480	>150	SJN/RH
8/31/2012	13:45	1560	>150	SJN/RH
9/7/2012	14:45	840	>150	SJN/RH
9/14/2012	7:40	1630	>150	SJN/RH
9/21/2012	14:40	2420	>150	SJN/RH
9/28/2012	13:45	1870	>150	SJN/RH

\* July 1 ,2011 CMS Analyzer indicated maintenance needed, sent to Draeger for servicing upon return instrument read higher levels of SO2/ purchased new CMS analyzer. In service since February 2 purchased SO2 PAC7000 meter to verify higher readings Pac 7000 meter read >107ppm for all readings.

