

**BAAQMD Title V Permit
6 Month Monitoring Report**

A0016 Phillips 66 Company San Francisco Refinery

Facility Address:

1380 San Pablo Ave

Mailing Address:

1380 San Pablo Ave

City: Rodeo

City: Rodeo

State: CA

State: CA

Zip Code: 94572-

Zip Code: 94572-

Contact: Brent Eastep

Title: Environmental Engineer

Phone (510) 245-4672

Inoperable monitors as defined by BAAQMD Regulations 1-522 and 1-523 for the reporting period are summarized below:

Started	Stopped	Deviation #	Source (S#)	Abatement Device (A#)	Emission Point (P#)																																																		
7/18/2015	8:00 PM	7/20/2015	<input checked="" type="checkbox"/> 023-15	303																																																			
<table border="1"> <thead> <tr> <th colspan="2">Fuel</th> <th colspan="2">Opacity/</th> <th colspan="2">Wind</th> <th colspan="2">Gauge</th> </tr> <tr> <th>CEM</th> <th>GLM</th> <th>SO2</th> <th>CO</th> <th>H2S</th> <th>TRS</th> <th>NH3</th> <th>O2</th> <th>CO2</th> <th>H2O</th> <th>LTA</th> <th>Lead</th> <th>Steam</th> <th>Flow</th> <th>Wind Dir.</th> <th>Wind Speed</th> <th>pH</th> <th>Temp.</th> <th>VOC.</th> <th>VOC.</th> <th>Press.</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>						Fuel		Opacity/		Wind		Gauge		CEM	GLM	SO2	CO	H2S	TRS	NH3	O2	CO2	H2O	LTA	Lead	Steam	Flow	Wind Dir.	Wind Speed	pH	Temp.	VOC.	VOC.	Press.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Event Description: The O2 analyzer at U238 (S-303) malfunctioned due to a transducer failure at approximately 8 pm on Saturday 7/18. The transducer was replaced and the monitor calibrated and operational at approximately 1 pm on Monday 7/20. An inoperative report was filed with the BAAQMD on Monday 7/20.

9/16/2015	9:00 AM	9/17/2015	9:30 AM	<input checked="" type="checkbox"/> 022-15	45																																																		
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Event Description: The O2 analyzer at U246 (S-45) was removed from service at approximately 9 am on 9/15 to replace the control board. The new board was installed and the analyzer working by 12:45 pm on 9/16. However, during the repair process a fuse was blown and data was not transferred to the PI system. This issue was resolved around 9:30 am on 9/17. An inoperative monitor report was sent to the BAAQMD at 11 am on 9/16.

Started Stopped Abatement Emission
 Device (A#) Source (S#) Deviation #

11/6/2015 2:20 PM 11/19/2015 12:15 PM 027-15 296

Fuel	GLM	Gas	Parametric	NOx	SO2	CO	H2S	TRS	NH3	O2	CO2	H2O	Opacity/ LTA	Lead	Steam	Flow	Wind Dir.	Wind Speed	pH	Temp.	VOC.	Gauge Press.	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Event Description: Flare flow meter FI_586 on the Main Flare (S-296) is inoperative. Flow meter inoperative beginning 11/6/15 at 2:20 pm. Flow meter repaired on 11/19/15.

12/17/2015 2:55 PM 12/28/2015 1:00 PM 029-15

Fuel	GLM	Gas	Parametric	NOx	SO2	CO	H2S	TRS	NH3	O2	CO2	H2O	Opacity/ LTA	Lead	Steam	Flow	Wind Dir.	Wind Speed	pH	Temp.	VOC.	Gauge Press.	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Event Description: Flare flow meter FI_586 on the Main Flare (S-296) is inoperative. Flow meter inoperative beginning 12/17/15 at ~2:55 pm.

12/29/2015 12:45 PM 12/30/2015 1:50 PM 030-15 371; 372

Fuel	GLM	Gas	Parametric	NOx	SO2	CO	H2S	TRS	NH3	O2	CO2	H2O	Opacity/ LTA	Lead	Steam	Flow	Wind Dir.	Wind Speed	pH	Temp.	VOC.	Gauge Press.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Event Description: Unit 228 B-520/521 Heater (S-371/372) NOx analyzer was inoperative during time period stated above (>24 hours).