

BAAQMD Title V Permit
6 Month Monitoring Report

A0016 Phillips 66 Company San Francisco Refinery

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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#)
7/1/2013	11:00 PM	7/3/2013	12:30 PM	<input checked="" type="checkbox"/> 021-13	438

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

Event Description: The Unit 110 CEMs became inoperable on 7/1/2013 at approximately 11 PM and was repaired on 7/3/13 at 12:30 PM. It was determined that the heated sample line needed a new temperature controller. The temperature controller was replaced and the instrument is back in service.

8/3/2013	7:17 PM	8/5/2013	11:00 AM	<input checked="" type="checkbox"/> 022-13	1003
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Fuel		Gas		Parametric		NOx	SO2	CO	H2S	TRS	NH3	O2	CO2	H2O	LTA	Lead	Steam	Flow	Wind	Dir.	Speed	pH	Temp.	VOC.	Gauge
<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 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"/>

Event Description: The Unit 238 Sulfur Plant (Source 1003) O2 monitor became inoperable on 8/3/13 at 7:17 PM. Repairs were made and the monitor was returned to service on 8/5/13 at 11:00 AM.

Started	Stopped	Deviation #	Source (S#)	Abatement Device (A#)	Emission Point (P#)
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9/20/2013	3:00 PM	9/27/2013	2:50 PM	<input checked="" type="checkbox"/> 030-13	438
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<input checked="" type="checkbox"/> CEM GLM	<input type="checkbox"/> Gas	<input type="checkbox"/> Parametric	<input checked="" type="checkbox"/> NOx	<input type="checkbox"/> SO2	<input checked="" type="checkbox"/> CO	<input type="checkbox"/> H2S	<input type="checkbox"/> TRS	<input type="checkbox"/> NH3	<input checked="" type="checkbox"/> O2	<input type="checkbox"/> CO2	<input type="checkbox"/> H2O	<input type="checkbox"/> LTA	<input type="checkbox"/> Lead	<input type="checkbox"/> Steam	<input type="checkbox"/> Flow	<input type="checkbox"/> Wind	<input type="checkbox"/> Dir.	<input type="checkbox"/> Speed	<input type="checkbox"/> pH	<input type="checkbox"/> Temp.	<input type="checkbox"/> VOC.	<input type="checkbox"/> Gauge	<input type="checkbox"/> Press.
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Event Description: The Unit 110 Hydrogen Plant (Source 438) NOx, CO, and O2 CEMs, and the Fuel Flow Parametric Monitor, are all inoperative while Phillips 66 works to make updates to our operating system. Repairs are underway and expected in the immediate future.

11/17/2013	10:15 AM	11/19/2013	10:00 AM	<input checked="" type="checkbox"/> 037-13	1002
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<input checked="" type="checkbox"/> CEM GLM	<input type="checkbox"/> Gas	<input type="checkbox"/> Parametric	<input type="checkbox"/> NOx	<input type="checkbox"/> SO2	<input type="checkbox"/> CO	<input type="checkbox"/> H2S	<input type="checkbox"/> TRS	<input type="checkbox"/> NH3	<input checked="" type="checkbox"/> O2	<input type="checkbox"/> CO2	<input type="checkbox"/> H2O	<input type="checkbox"/> LTA	<input type="checkbox"/> Lead	<input type="checkbox"/> Steam	<input type="checkbox"/> Flow	<input type="checkbox"/> Wind	<input type="checkbox"/> Dir.	<input type="checkbox"/> Speed	<input type="checkbox"/> pH	<input type="checkbox"/> Temp.	<input type="checkbox"/> VOC.	<input type="checkbox"/> Gauge	<input type="checkbox"/> Press.
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Event Description: The Unit 236 Sulfur Plant (Source 1002) O2 monitor became inoperative on 11/17/13 at 10:15 AM. Repairs are underway.

12/4/2013	8:19 AM	12/5/2013	2:20 PM	<input checked="" type="checkbox"/> 039-13	338
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<input checked="" type="checkbox"/> CEM GLM	<input type="checkbox"/> Gas	<input type="checkbox"/> Parametric	<input type="checkbox"/> NOx	<input type="checkbox"/> SO2	<input type="checkbox"/> CO	<input checked="" type="checkbox"/> H2S	<input type="checkbox"/> TRS	<input type="checkbox"/> NH3	<input type="checkbox"/> O2	<input type="checkbox"/> CO2	<input type="checkbox"/> H2O	<input type="checkbox"/> LTA	<input type="checkbox"/> Lead	<input type="checkbox"/> Steam	<input type="checkbox"/> Flow	<input type="checkbox"/> Wind	<input type="checkbox"/> Dir.	<input type="checkbox"/> Speed	<input type="checkbox"/> pH	<input type="checkbox"/> Temp.	<input type="checkbox"/> VOC.	<input type="checkbox"/> Gauge	<input type="checkbox"/> Press.
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Event Description: The Unit 233 Fuel Gas H2S CEM became inoperative on December 4, 2013 at 8:19 AM. Repairs are underway.

12/20/2013	10:20 AM	12/23/2013	10:45 AM	<input checked="" type="checkbox"/> 042-13	338
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<input checked="" type="checkbox"/> CEM GLM	<input type="checkbox"/> Gas	<input type="checkbox"/> Parametric	<input type="checkbox"/> NOx	<input type="checkbox"/> SO2	<input type="checkbox"/> CO	<input checked="" type="checkbox"/> H2S	<input type="checkbox"/> TRS	<input type="checkbox"/> NH3	<input type="checkbox"/> O2	<input type="checkbox"/> CO2	<input type="checkbox"/> H2O	<input type="checkbox"/> LTA	<input type="checkbox"/> Lead	<input type="checkbox"/> Steam	<input type="checkbox"/> Flow	<input type="checkbox"/> Wind	<input type="checkbox"/> Dir.	<input type="checkbox"/> Speed	<input type="checkbox"/> pH	<input type="checkbox"/> Temp.	<input type="checkbox"/> VOC.	<input type="checkbox"/> Gauge	<input type="checkbox"/> Press.
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Event Description: The Unit 233 Fuel Gas H2S CEMs became inoperative on December 20, 2013 at 10:20 AM. Repairs are underway.