BAAQMD Title V Permit
6 Month Monitoring Report

A0016 Phillips 66 Company San Francisco Refinery

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State: CA
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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#)
1/16/2017	1/17/2017	☑	009-17			

CEM	GLM	Fuel 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.
☑	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Event Description: The NOx analyzer at SPP B failed autocalibration at approximately 9:00 am on 1/15/17 and failed the following autocalibration on 1/16/17. Technicians discovered the analyzer in alarm on 1/17/17, cleared the sample line, and recalibrated the analyzer successfully at approximately 10:00 am on 1/17/17.

Started	Stopped		Deviation #	Source (S#)	Abatement Device (A#)	Emission Point (P#)
3/6/2017	3/6/2017	☑	018-17	352; 355		

CEM	GLM	Fuel 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.
☑	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Event Description: The NOx analyzer at SPP A was inoperative for more than 24 hours between 3/4/17 and 3/6/17. An inoperative monitor report was not filed by the next business day as required by BAAQMD MOP.

The NOx analyzer at SPP A did not autocalibrate on 3/4/17 and 3/5/17, making it technically inoperative for more than 24 hours according to the BAAQMD Manual of Procedures and Regulation 1-522.4. CEMs technicians discovered this on 3/6 and investigated, finding water in the sampling conditioning system. The water was removed, and the analyzer was recalibrated and returned to service.However, due to an inadvertant miscommunication the required notification was not made to the BAAQMD that the analyzer was inoperative for more than 24 hours.

The autocalibrations on 3/4 and 3/5 included a zero check but no span check. The analyzer continued to function normally, and there is no operational reason to believe that the associated source exceeded any emissions limits.

4/6/2017	9:00 AM	4/7/2017	11:00 AM	☑	017-17	371

CEM	GLM	Fuel 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.
☑	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Event Description: At around 9:00 on 4/6/17 the NOx analyzer at U228 B-520/521 began giving erratic readings. As of 9:30 am on 4/7/17 the problem was unresolved, and an Inoperative Monitor notification was filed with BAAQMD. At approximately 11:00 am on 4/7/17 the analyzer was repaired and calibrated, and returned to service.