BAAQMD Title V Permit
6 Month Monitoring Report

From 1/1/2015 to 6/30/2015

A0010 Chevron Richmond Refinery

Facility Address:
841 Chevron Way
City: Richmond
State: CA
Zip Code: 94801-

Mailing Address
PO Box 1272
City: Richmond
State: CA
Zip Code: 94802-0272

Contact: Rachael Justice Title: Compliance Technician Phone: (510) 242-2911

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

Started	Stopped		Source (S#)	Abatement Device (A#)	Emission Point (P#)	CEM	GLM	Fuel Gas	Parametri	NOx	SO2	CO	H2S	TRS	NH3	O2	CO2	H2O	Opacity/ LTA	Lead	Steam Flow	Wind Dir.	Wind Speed	pH	Temp.	VOC.	Gauge Press.
2/2/2015 9:00 AM	2/5/2015 2:38 PM	☑	S4285			☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Discovered On: 2/3/2015																											
Event Description: On 02/02/15 at 0900 hrs, the V-65 O2 analyzer at F-300 began to malfunction. The last successful calibration occurred on 02/02/15 at 0530 hrs. Repairs were made and successful calibration occurred on 2/5/2015 at 1438 hrs.																											
2/6/2015 12:04 PM	2/7/2015 12:19 PM	☑	S4169			☑	☐	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Discovered On: 2/9/2015																											
Event Description: On February 6th, 2015 the O2 and NOx analyzers at F-731 began to malfunction at 1204 hours. The last successful calibration occurred on February 6th, 2015 at 0524 hours. Repairs were made to the analyzers and they were both successfully calibrated on February 7th, 2015 at 1219 hours.																											
2/16/2015 3:30 AM	2/17/2015 8:15 AM	☑	S4059			☑	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Discovered On: 2/17/2015																											
Event Description: On 02/16/15 at 0330 hrs, the NOx analyzer at F-247 began to malfunction. The last successful calibration occurred on 02/15/15 at 0330 hrs. Repairs were made and successful calibration occurred on 02/17/15 at 0815 hrs.																											
2/26/2015 7:34 PM	3/2/2015 8:14 AM	☑	S4285			☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Discovered On: 2/27/2015																											
Event Description: On 02/26/15 at 1934 hrs, the V-65 O2 analyzer at F-300 began to malfunction. The last good calibration occurred on 02/26/15 at 0530 hrs. Repairs repairs were made and successful calibration occurred on 3/2/2015 at 0814 hrs.																											
3/23/2015 12:00 PM	3/27/2015 1:58 PM	☑	S4060			☑	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Discovered On: 3/23/2015																											
Event Description: During a routine Field Accuracy Test being conducted by the BAAQMD at F-210 on 3/23/15, it was found that the Nox analyzer was not reading within 20 percent of the Air District's monitors. Repairs were made and successful calibration occurred on 3/27/2015 at 1358 hrs																											
3/27/2015 9:54 AM	3/30/2015 8:30 AM	☑	Castr H2S			☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Discovered On: 3/30/2015																											
Event Description: Castro St ground level monitor for H2S went inoperative on 3/27/15 at 0954 hours. Monitor repaired 3/30/15 at 0830 hours.																											

Started	Stopped		Source (S#)	Abatement Device (A#)	Emission Point (P#)	CEM	GLM	Fuel Gas	Parametri	NOx	SO2	CO	H2S	TRS	NH3	O2	CO2	H2O	Opacity/ LTA	Lead	Steam	Flow	Wind Dir.	Wind Speed	pH	Temp.	VOC.	Gauge Press.
4/10/2015 6:16 AM	4/14/2015 2:19 PM	☑	S4285			☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Discovered On: 4/13/2015																												
Event Description: On 4/10/2015 at 0616 hours, the analyzer at V-65 O2 began to malfunction. The last good calibration occurred on 4/09/2015 at 0656 hours. Repairs were made and the analyzer was successfully calibrated on 4/14/2015 at 1419 hours.																												
4/26/2015 4:10 PM	4/27/2015 7:52 PM	☑	S6013			☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Discovered On: 4/28/2015																												
Event Description: On 4/26/2015 the NISO Flare water seal level indicator began going bad at 16:10 hrs. Repairs were made and the meter was successfully calibrated on 4/27/2015 at 19:52 hrs.																												
5/10/2015 12:01 AM	5/11/2015 9:20 AM	☑	S4285			☑	☐	☐	☐	☐	☐	☐	☐	☐	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Discovered On: 5/11/2015																												
Event Description: On 5/11/2015 at 00:01 hours the O2 analyzers at V-65 began to malfunction. Repairs were made and the analyzer was successfully calibrated on 5/11/2015 at 09:20 hours.																												
5/25/2015 4:06 AM	5/26/2015 8:07 AM	☑	S4159			☑	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Discovered On: 5/26/2015																												
Event Description: On 05/25/15 at 0406 hrs, the NOx analyzer at F-410/F-420 malfunctioned. The last successful calibration occurred on 05/24/15 at 0406 hrs. Repairs were made and successful calibration occurred on 05/26/15 at 0807 hrs.																												
5/22/2015 6:08 AM	6/3/2015 1:49 PM	☑	S4228			☑	☐	☐	☐	☐	☑	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Discovered On: 6/4/2015																												
Event Description: SO2 and O2 analyzers on #2 SRU began to malfunction on 5/22/2015 at 0608 hours. The last good calibration was on 5/21/15 at 1327 hours. Repairs were made and the analyzer was successfully calibrated on 6/3/2015 at 1349 hours.																												
5/22/2015 6:08 AM	6/3/2015 1:25 PM	☑	S4227			☑	☐	☐	☐	☐	☑	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Discovered On: 6/4/2015																												
Event Description: SO2 and O2 analyzers on #1 SRU began to malfunction on 5/21/2015 at 1400 hours. The last good calibration was on 5/21/15 at 1305 hours. Repairs were made and the analyzer was successfully calibrated on 6/3/2015 at 1325 hours.																												

Certification Statement

I certify under penalty of law that based on the information and belief formed after reasonable inquiry, the statements and information in this document and in all attachments and other materials are true, accurate, and complete.

x	***Kory Judd***	***General Manager Richmond Refinery***	27 July 2015
Signature of Responsible Official	Print Name	Title	Date