

BAAQMD Title V Permit  
6 Month Monitoring Report

From 1/1/2013 to 6/30/2013

<b>A0010 Chevron Richmond Refinery</b>	
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 (SF)	Abatement Device (A#)	Emission Point (P#)	Fuel	CEM	GLM	Gas	Parameter	NOx	SO2	CO	H2S	TRS	NH3	O2	CO2	H2O	LTA	Opacity/	Lead	Steam Flow	Wind Dir.	Wind Speed	pH	Temp.	YOC	Gauge Press.			
1/9/2013 12:20 AM	1/10/2013 5:22 AM	S4288				<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"/>	<input type="checkbox"/>	
<b>Discovered On:</b> 1/9/2013																															
Event Description: FCC: opacity meter failed due to a bad detector.																															
3/8/2013 6:21 AM	3/9/2013 10:09 AM	S4169		P040		<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"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Discovered On:</b> 3/8/2013																															
Event Description: F-731 NOx and O2 CEMs went inoperative starting on 3/8/13 at 0621 hrs. Repairs completed and good calibration occurred on 3/9/13 1009 hrs.																															
3/9/2013 5:00 AM	3/11/2013 9:50 AM			P040		<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"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Discovered On:</b> 3/11/2013																															
Event Description: F-3550/3560 NOx and O2 CEMs failed calibration on Sunday, 3/10/2013 at 0600 hrs (PDST). Last successful calibration occurred on Saturday 3/9/13 at 0500 hrs (PST). Next good calibration occurred on Monday 3/11/13 at 0950 hrs.																															
3/14/2013 12:55 PM	3/18/2013 3:29 PM	S4226				<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"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Discovered On:</b> 3/14/2013																															
Event Description: F-1660 O2 analyzer failed Thursday, 3/14/13 at 1255 hours. Cause of failure unknown.																															
REVISED: F-1660 O2 analyzer was placed in service and calibrated on 3/18/13 at 1529 hours.																															
3/22/2013 5:10 AM	3/24/2013 5:10 AM	S4038		P040		<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"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Discovered On:</b> 3/25/2013																															
Event Description: F-3550/60 NOx analyzer failed calibration on Saturday, 3/23/13 at 0501 hours. Last successful calibration occurred on Friday 3/22/13 0510 hrs. Next good calibration occurred on Sunday 3/24/13 at 0510 hours.																															
5/31/2013 5:22 AM	6/1/2013 5:33 AM	S4070				<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"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Discovered On:</b> 6/3/2013																															
Event Description: F-1100A NOx CEMS malfunction from 5/31/13 at 5:22 AM to 6/1/2013 at 5:33 AM.																															

Started	Stopped	Source (S#)	Abatement Device (A#)	Emission Point (P#)	Fuel	CEM	GLM	Gas	Parameter	NOx	SO2	CO	H2S	TRS	NH3	O2	CO2	H2O	Opacity/ LTA	Lead	Steam Flow	Wind Dir.	Wind Speed	pH	Temp.	VOOC	Gauge Press.	
6/8/2013 9:57 AM	6/11/2013 8:37 AM																											
<b>Discovered On:</b> 6/10/2013		S4250																										
<b>Event Description:</b> Please refer to BAAQMD # 06K75: Repairs completed on 6/11/13 at 0837 hours. Total inoperative time 6/8/13 at 0957 hours to 6/11/13 at 0837 hours.																												

The wash water flow meter on the H2B Train Methanol Scrubber went inoperative on 6/8/13 at 0957 hours. Repairs ongoing.

6/18/2013 7:25 AM	6/19/2013 10:07 AM		S4285	P0134																									
<b>Discovered On:</b> 6/19/2013																													
<b>Event Description:</b> FCC Flare water seal level indicator was inoperative from 6/18/13 at 0725 hours to 6/19/13 at 1007 hours.																													

6/24/2013 7:25 AM	6/26/2013 12:35 PM		S4350																										
<b>Discovered On:</b> 6/25/2013																													
<b>Event Description:</b> REFERENCING ID #06K98: PLEASE NOTE REVISION: INCLUDING TIME DURING THE END OF THE CALIBRATION ON 6/26.																													

Cogen 1000 Train NOx CEMS failed calibration on Tuesday, 6/25/2013 at 0500 hrs. Last successful calibration occurred on Monday 6/24/13 at 0725 hrs. Next good calibration occurred on Wednesday 6/26/13 at 1248 hrs.

**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** \_\_\_\_\_  
 Signature of Responsible Official Print Name Title Date