

BAAQMD Title V Permit  
6 Month Monitoring Report

From 7/11/2012 to 12/31/2012

<b>A0010 Chevron Richmond Refinery</b>	
Facility Address: 941 Chevron Way City: Richmond State: CA Zip Code: 94801	Mailing Address: PO Box 1272 City: Richmond State: CA Zip Code: 94802-0272
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Inoperable monitors as defined by BAAQMD Regulations 1-522 and 1-523 for the reporting period are summarized below:

Start	Stopped	Source (S#)	Abatement Device (A#)	Emission Point (P#)	Fuel	CEM	GLM	Gas	Parametr	NOx	SO2	CO	H2S	TRS	NH3	O2	CO2	H2O	LTA	Opacity/	Lead	Steam	Flow	Wind Dir.	Speed	pH	Temp.	YOC	Gauge		
7/28/2012 8:57 AM	7/30/2012 3:17 PM					<input checked="" 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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Discovered On: 7/28/2012</b> Event Description: Cogen 1000 Train: NOx analyzer malfunctioned. Analyzer repaired and calibrated on 7/30/2012 at 1517 hrs. REVISION: (7/30/12) CO and O2 analyzers failed calibration on 7/29/2012. Last successful calibration occurred on 7/28/2012 at 0857 hrs. Successful calibration on 7/30/2012 at 1517 hrs.																															
7/28/2012 9:25 AM	7/30/2012 3:08 PM					<input checked="" 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"/>	<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: 7/30/2012</b> Event Description: F-570/580: NOx analyzer failed calibration on 7/29/2012. The last successful calibration occurred on 7/28/2012 at 0925 hours. Analyzer repaired and calibrated successfully on 7/30/2012 at 1508 hrs.																															
9/14/2012 6:40 AM	9/16/2012 6:40 AM					<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: 9/17/2012</b> Event Description: V-65 O2 CEM missed calibration on Saturday, 9/15/12. Last successful calibration occurred on Friday, 9/14/12 at 0640 hrs. Next good calibration occurred on Sunday, 9/16/12 at 0640 hrs.																															
10/6/2012 6:01 AM	10/8/2012 11:10 AM					<input checked="" 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"/>	<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: 10/6/2012</b> Event Description: FCC: power supply on the processor that controls the CEMs failed; back in service on 10/08 at 1110 hrs.																															
10/18/2012 4:30 PM						<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: 10/18/2012</b> Event Description: While putting #2 substation back on double line feed, power was lost to several power feeds. This caused a loss of power indication on two DSC arrays 69GE003C and 69GE003D that contain several parametric meters for the FGR system. Refer to U&E LJ for more information.																															
10/18/2012 12:40 PM	10/20/2012 8:48 AM					<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Discovered On: 10/19/2012</b> Event Description: V-870 fuel gas drum H2S analyzer failed. Maintenance repair still in progress. Update: Maintenance completed and V-870 H2S analyzer is back in service as of 10/20/12 at 0848 hrs.																															

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12/14/2012 11:33 AM	12/17/2012 3:53 PM	S4340				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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"/>	
Event Description:		REVISED: Please refer to BAAQMD Episode Number 06106																											
		F-1251 sample system failed due to moisture causing the NOx/O2/CO analyzers to go inoperative on Friday, 12/14 at 11:33 hrs. The last good calibration occurred on Friday, 12/14 at 0800 hrs. The analyzer was inoperative for >24 hours on 12/15 at 11:33 hrs. Repairs completed. Good calibration occurred on 12/17/12 at 3:53 PM.																											
12/29/2012 6:14 AM	12/30/2012 10:03 AM	S4340				<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 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"/>	
Event Description:		F-1251 O2 CEMs failure occurred on 12/29/12 at 0614 hours. Repairs completed and good calibration occurred on 12/30/12 at 1003 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  Nigel Hearne General Manager Richmond Refinery 30 Jan 2013  
 Signature of Responsible Official Print Name Title Date