

**BAAQMD Title V Permit
6 Month Monitoring Report**

From 7/1/2012 to 12/31/2012

A0011 Shell Oil Products US Martinez Refinery

Facility Address:
3485 Pacheco Blvd
City: Martinez
State: CA
Zip Code: 94553-0071

Mailing Address:
PO Box 211
City: Martinez
State: CA
Zip Code: 94553-0071

Contact: Liz Rosales Title: Environmental Specialist Phone: (925) 313-3857

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

Start	Stopped	Source (SF)	Abatement Device (AD)	Emission Point (EP)	Fuel	CEM	GLM	Gas	Parameter	NOx	SO2	CO	H2S	H1S	NH3	O2	CO2	H2O	LTA	Lead	Steam	Flow	Wind Dir	Wind Speed	pH	Temp	VOC	Status	
7/3/2012 8:00 AM	7/5/2012 10:10 AM					<input checked="" type="checkbox"/>																							
Event Description: Refinery fuel gas H2S analyzer 9A1610 failed calibration due to calibration program problem.																													
7/12/2012 8:40 PM	7/21/2012 11:05 AM					<input checked="" type="checkbox"/>																							
Event Description: Refinery fuel gas H2S analyzer 9A1610 is out of service awaiting parts.																													
7/19/2012 7:55 AM	7/19/2012 11:35 PM				4192				4192																				
Event Description: COGEBN 2 Analyzers 66A614 (SO2), 66A616 (O2), and 66A617 (NOx) were out of service over 24 hours due to controller upgrade.																													
7/23/2012 12:00 AM	7/23/2012 12:00 PM					<input checked="" type="checkbox"/>			1471																				
Event Description: The LOP Flare pictures are not clear. Although the camera is working and the video monitor is recording, the picture is not clear.																													
8/5/2012 6:50 AM	8/6/2012 10:35 AM					<input checked="" type="checkbox"/>																							
Event Description: Refinery Fuel Gas H2S analyzer 9A1610 was out of service greater than 24 hours due to loss of carrier gas.																													
8/31/2012 9:00 AM	9/5/2012 9:30 AM					<input checked="" type="checkbox"/>			1508																				
Event Description: F-63 O2 analyzer 6A2277 is out of service greater than 24 hours.																													
8/31/2012 9:00 AM	9/5/2012 9:30 AM					<input checked="" type="checkbox"/>			1508																				
Event Description: F-63 NOx analyzer 6A2276 is out of service greater than 24 hours.																													
9/16/2012 5:00 AM	9/17/2012 8:20 AM					<input checked="" type="checkbox"/>																							
Event Description: RFG H2S analyzer 09A1610 was out of control, did not complete daily calibration event.																													
10/2/2012 8:25 AM	10/3/2012 10:55 AM					<input checked="" type="checkbox"/>																							
Event Description: SRU SCOT 1&2 O2 analyzer 8A850 was out of service for greater than 24 hours. Analyzer was removed from service for field terminal box replacement. System was verified and recalibrated & returned to service.																													

Start	Stop	Source (S#)	Abatement Device (A#)	Emission Point (P#)	Field	Ornately	Wind	Gauge																				
					CEM	GLM	Gas	Parametri	NOx	SO2	CO	H2S	TMS	NH3	O2	CO2	H2O	LTA	Lead	Steam	Flow	Wind Dir	Speed	HL	Temp	VOC	Press	
10/2/2012 8:23 AM	10/2/2012 10:55 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"/>
Event Description: SRU SCOT 1&2 SO2 analyzer 8A849 was out of service for greater than 24 hours. Analyzers were removed from service for field terminal box replacement. System verified and recalibrated & returned to service.																												
10/12/2012 1:37 PM	10/14/2012 3:30 PM				<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Description: Ace Hardware SO2 GLM analyzer 1A1472 was out of service for greater than 24 hours due to a malfunction of the analyzer and the loosening of an optical lens that was causing jumps in the SO2 readings.																												
11/1/2012 2:35 AM	11/12/2012 12:03 PM				<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"/>
Event Description: FXG Flow meter 14F11257 was out of service more than 24 hours.																												
11/14/2012 10:05 AM	11/15/2012 11:00 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 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: Heater P-104 (S#1761) NOx(15A660) and O2(15A661) analyzers were out of service more than 24 hours for preventative maintenance when stainless steel galling occurred.																												
12/23/2012 12:30 PM	12/26/2012 12:40 PM				<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 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 flow meter on the LOP Auxiliary Flare (S-1471) is exhibiting excessive noise. Troubleshooting and repairs have been unsuccessful. Probes will be replaced on Wednesday.																												

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.

Signature of Responsible Official: Paul Cassano Print Name: Paul Cassano Title: General Mgr Date: 01/14/13