

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

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

B2626 Valero Benicia Refinery

Facility Address:
3400 East Second Street
Benicia, CA 945101097

Mailing Address:
3400 East Second Street
Benicia, CA 945101097

Contact: Donald Cuffel

Title: Manager - Environmental Engineering

Phone: (707) 745-7545

Inoperable monitors as defined by BAAQMD Regulations 1.522 and 1.523 for the reporting period are summarized below

Ref:	Event Start	Event End	Stc	Abatement Device:	Abatement Point:	Fuel	CEM	GLM	Gas	Parametric	NOX	SO2	CO	H2S	TRS	NH3	O2	CO2	H2O	Opacity/ LTA	Lead	Steam Flow	Wind Dir	Wind Speed	Wind pH	Temp	VOC	Guage Press.			
798	8/10/2012	1:00 PM		S1031-Heat Recovery Steam Generator, SG-4901			<input checked="" type="checkbox"/>																								
Source Number: S1031-Heat Recovery Steam Generator, SG-4901						Event Description: During this period the H2S/TRS analyzer to Cogen SG-4901 was found inoperative.																									
Abatement Device: P60-Cogen Stack GT/SG-4901																															
Emission Point: P60-Cogen Stack GT/SG-4901																															
799	8/21/2012	2:30 PM		S19-North Flare, ST-2103																											
Source Number: S19-North Flare, ST-2103						Event Description: Monitor Operation - North Flare (S-19) Flow Meter UBF233 Troubleshooting of the North Flare monitor took longer than 24 hours. The monitor was repaired by GE Sensing at 05:35pm on 8/22/2012.																									
Abatement Device:																															
Emission Point:																															
816	11/9/2012	7:00 AM		S18-South Flare, ST-2101																											
Source Number: S18-South Flare, ST-2101						Event Description: South Flare Parametric flow meter was inoperative for more than 24 hours. The parametric meter began showing high values a few hours after a high flow incident had occurred. Review of the pressure and water seal indicators verify that no flow has occurred, yet the meter indicates a flow value. Repairs to be scheduled. Valero will make contact with GE Sensing when it opens on 11/13/2012 after the 11/12 Veteran's Day Observed Holiday. UPDATE: On 11/20/2012, the meter was serviced and the flow meter returned to service at 8:25 AM																									
Abatement Device:																															
Emission Point: P2-South Flare Emission Point, P-2																															
812	10/14/2012	4:00 AM		S237-Boiler, SG-1032																											
Source Number: S237-Boiler, SG-1032						Event Description: SG1032 NOx Inop Monitor occurred during the automatic recalibration on 10/13/2012. The analyzer technician was unable to repair the analyzer. During troubleshooting, the O2 and CO also became inoperative. The factory was consulted to resolve the issue during the first business day after the weekend. The power source for the ozone generator was replaced and the analyzer was returned to operation.																									
Abatement Device: AS8-Selective Catalytic Reduction for SG-1032																															
Emission Point:																															

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Ref:	Event Start	Event End	Stc	Stc	Event Description	Fuel	CEM	GLM	Gas	Parametric	NOx	SO2	CO	H2S	TRS	NH3	O2	CO2	H2O	Opacity/ LTA	Lead	Steam	Flow	Dir.	Wind	Wind	Speed	pH	Temp.	VOC	Guage	Press.	
Ref: 819	12/11/2012	7:30 PM	Stc	12/11/2012	7:30 PM	Has Stopped																											
Source Number:	S193-Tank, WWTP Diversion Tank, TK-2077, S196-Tank, WWTP Diversion Tank, TK-2077																																
Abatement Device:	A36-Carbon Canisters on WWTP Upstream Diversion Tanks																																
Emission Point:																																	
Ref: 820	12/17/2012	1:40 AM	Stc	12/20/2012	2:48 PM	Has Stopped																											
Source Number:	S18-South Flare, ST-2101																																
Abatement Device:																																	
Emission Point:	P2-South Flare Emission Point, P-2																																
Ref: 803	9/10/2012	4:53 AM	Stc	9/10/2012	6:00 PM	Has Stopped																											
Source Number:	NONE FPU site-Refinery (Site)																																
Abatement Device:																																	
Emission Point:																																	

Event Description: The flow indication for 20F205 (Waste Water Treating Separator Vapors to the Carbon Canisters) began losing flow indication at 7:30 PM on 12/11/12 and became classified as inoperative at 7:30 PM on 12/12/12. Instrumentation specialists are actively troubleshooting this loss of indicative flow at the current time of this submission.
AMENDED (12/17/12): The monitor was determined to be operating correctly and was not inoperative. The indicated drop in flow was real. Valero is therefore withdrawing this inoperative monitor notification.

Event Description: South flare flow probe/meter 22F252 lost flow indication at approximately 01:40 A.M. on 12/17/12 and was declared inoperative at 01:40 A.M on 12/18/12. X-rays of the line have been taken and the probe is in the process of being cleaned.

Event Description: The H2S/TRS analyzer for the Refinery fuel gas system was found to be inoperative. This report is being made timely per BAAQMD 1-522.4. Subsequent notification will be made when the monitor has resume normal operation.