

BAAQMD Title V Permit
6 Month Monitoring Report

From 1/1/2012 to 6/30/2012

82626	Valero Benicia Refinery
Facility Address:	Mailing Address:
3400 East Second Street Benicia, CA 945101097	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: 767 Event Started: 1/28/2012 7:00 AM Stopped: 1/30/2012 3:00 PM Has Stopped

Source Number: S220-Hot Oil Furnace, F-4460
Abatement Device:
Emission Point:

CEM	GLM	Fuel	Gas	Parametric	NOx	SO2	CO	H2S	TBS	NH3	O2	CO2	H2O	LTA	Lead	Steam	Flow	Wind	Wind	Guage
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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"/>

Event Description: F4460 CEMS for CO, NOx and O2 trip monitor notification consistent with the notification requirements listed in 1-1-522.4

Ref: 768 Event Started: 2/9/2012 4:06 PM Stopped: 2/10/2012 12:00 PM Has Stopped

Source Number:
Abatement Device:
Emission Point:

<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"/>
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Event Description: The Main Stack SO2 analyzer was found to be inoperative on 2/10 due to a processor problem. The device was reset by turning on/off and resumed normal operation.

Ref: 781 Event Started: 4/23/2012 10:30 AM Stopped: 5/1/2012 4:40 PM Has Stopped

Source Number: S220-Hot Oil Furnace, F-4460
Abatement Device: A45-Selective Catalytic Reduction for F-4460
Emission Point: P46-CFP Hot Oil Furnace Stack, P-46

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<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"/>
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Event Description: The CEMS for source #220 (F-4460) has been taken out of service for maintenance. This affects data feed to the CEM system from analyzers 44A670, 44A661, 44A662, 44A710 and 44-A8-03. This system is to be upgraded to a new PLC interface system and should be offline for approximately 5 days.

Ref: 782 Event Started: 4/18/2012 2:00 PM Stopped: 4/24/2012 9:15 AM Has Stopped

Source Number:
Abatement Device: A37-Carbon Canisters on WWTP On-Site Equipment
Emission Point:

<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"/>
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Event Description: During the period from approximately 4/18/2012 through 4/24/2012, the hydrocarbon analyzer (WWA203) for the WWTP carbon canisters was found to be inoperative. This report is for both an inoperative monitor and a deviation for late reporting.

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Ref: 789 Event Started: 5/17/2012 6:00 AM Stopped: 5/19/2012 12:00 PM Has Stopped

Source Number: S1031-Heat Recovery Steam Generator, SG-4901

Abatement Device:
Emission Point:

Ref: 791 Event Started: 6/4/2012 1:30 PM Stopped: 6/12/2012 12:00 PM Has Stopped

Source Number: S37-Waste Heat Boiler, SG-702; S45-Process Gas Turbine, GT-702

Abatement Device: S51-Selective Catalytic Reduction for GT-702
Emission Point: P21/P22-SG-702 West/East Stack, P-21/P-22

<input checked="" type="checkbox"/>	CEM	GLM	Gas	Fuel	Parametric	NOx	SO2	CO	H2S	TR5	NH3	O2	CO2	H2O	Opacity/	Lead	Stream Flow	Wind Dir.	Wind Speed	pH	Temp.	VOC	Guage Press.
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Event Description: SG-4901 EG-H2S and TR5 analyzers CGA111 and CGA113 were found fat-lined and in 'calibrate' since the morning of 05/17/12. The instrument specialist reset the analyzer and returned it to normal operation.

Event Description: The CEMS for source #37(SG-702) has been taken out of service for maintenance. This affects data feed to the CEM system from the analyzers. This system is to be upgraded to a new PLC interface system and should be off-line for approximately 5-8 days.

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  John H. Hill
Signature of Responsible Official Print Name
Vice President and General Manager Title

7/9/2012
Date