



Benicia Refinery • Valero Refining Company - California

3400 East Second Street • Benicia, California 94510-1097 • Telephone (707) 745-7011 • Facsimile (707) 745-7339

Sent via email

January 29, 2024

TV Tracking #:851

1.  RECEIVED IN ENFORCEMENT: 1/29/2024

Refinery, Asphalt Plant & B5574  
Monitoring Report for July 2023 – December 2023

Mr. Jeff Gove  
Director of Compliance and Enforcement  
Bay Area Air Quality Management District  
375 Beale Street, Suite 600  
San Francisco, CA 94105

Dear Mr. Gove:

Per Standard Condition I.F of Valero's Title V permits issued for the Fuels Refinery (B2626) and the Asphalt Plant (A0901) and Permit B5574, enclosed are the certified Semi-annual Monitoring Title V reports for all three facilities. Please note that the reporting convention for these reports is that deviations *discovered* during the calendar month are included along with any on-going events, regardless of when the event started.

The format and content of these reports is consistent with guidance provided by Mr. Steve Hill, BAAQMD Permit Evaluation Manager, in his letter dated January 8, 2004.

Please contact me at 707-745-7729 if you have any questions or need further information.

Sincerely,

Carson Stacy  
Associate Environmental Engineer

Ecc : Marie Miller, [mmiller@baaqmd.gov](mailto:mmiller@baaqmd.gov)  
Anthony Smith, [anthony.smith@baaqmd.gov](mailto:anthony.smith@baaqmd.gov)  
[compliance@baaqmd.gov](mailto:compliance@baaqmd.gov)

Enclosures





# BAAQMD Title V Permit 6 Month Deviation Summary Report

*From 6/30/2023 to 12/31/2023*

<b>B2626</b>	<b>Valero Benicia Refinery</b>
<b>Facility Address:</b>	<b>Mailing Address:</b>
3400 East Second Street Benicia, CA 945101097	3400 East Second Street Benicia, CA 945101097
Contact: Taryn Goodwin	Title: Manager - Environmental Engineering      Phone: (707) 745-7475

*Title V deviations for the reporting period are summarized below:*

Event Start: 1/28/2023 4:00 AM Stopper: 1/28/2023 8:00 PM  Ongoing Event

Source Number:	S23-Gas Oil Hydrocracking, F-401
Abatement Device:	
Emission Point:	

May have resulted in a violation of:

Permit:	14318.2
AQMD:	1-522.7
Other:	

1268 Event Description: During a planned shutdown of the hydrocracker, the F401 NOx analyzer detected an excess. The NOx 8 hour average (ppm) was exceeded between 4:00 AM on 1/28/23 and 8:00 PM on 1/28/23. Additionally, the excess and deviation is being reported late as it was discovered during a records review.

Probable Cause: Curtailed Operations and Shutdown.

Corrective actions or preventative steps taken: Unit was already in the process of being shutdown.

Episode ID #: 08U49

NOV:

# BAAQMD Title V Permit 6 Month Deviation Summary Report

*From 6/30/2023 to 12/31/2023*

<b>B2626</b>	<b>Valero Benicia Refinery</b>
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3400 East Second Street Benicia, CA 945101097	3400 East Second Street Benicia, CA 945101097
Contact: Taryn Goodwin	Title: Manager - Environmental Engineering
	Phone: (707) 745-7475

*Title V deviations for the reporting period are summarized below:*

Event Start: <u>8/8/2023</u> <u>4:00 PM</u> Stopper: <u>8/8/2023</u> <u>4:00 PM</u> <input type="checkbox"/> Ongoing Event
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Source Number: <u>S1010-Hydrogen Production Facilities</u>
Abatement Device: <u></u>
Emission Point: <u></u>

May have resulted in a violation of:

Permit: <u></u>
AQMD: <u>8-18-306.1</u>
Other: <u></u>

1269 Event Description: Amendment: On August 8, 2023 Valero Benicia Refinery received an NOV (62154) from BAAQMD. The NOV was issued for failure to determine mass emissions from leak greater than 3,000 ppm within thirty (30) days. Valero does not agree with this NOV and has filed a 10-day response letter. Additionally, mass emissions were determined and the leak has been fixed.

On August 8, 2023 Valero Benicia Refinery received an NOV (62154) from BAAQMD. The NOV was issued for failure to determine mass emissions from leak greater than 3,000 ppm within thirty (30) days. Valero does not agree with this NOV and will be filing a 10-day response letter.

Probable Cause: On August 8, 2023 Valero Benicia Refinery received an NOV (62154) from BAAQMD. The NOV was issued for failure to determine mass emissions from leak greater than 3,000 ppm within thirty (30) days. Valero does not agree with this NOV and has filed a 10-day response letter.

Corrective actions or preventative steps taken: On August 8, 2023 Valero Benicia Refinery received an NOV (62154) from BAAQMD. The NOV was issued for failure to determine mass emissions from leak greater than 3,000 ppm within thirty (30) days. Valero does not agree with this NOV and has filed a 10-day response letter.

Episode ID #:

NOV: 62154

# BAAQMD Title V Permit 6 Month Deviation Summary Report

*From 6/30/2023 to 12/31/2023*

<b>B2626</b>	<b>Valero Benicia Refinery</b>
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3400 East Second Street Benicia, CA 945101097	3400 East Second Street Benicia, CA 945101097
Contact: Taryn Goodwin	Title: Manager - Environmental Engineering      Phone: (707) 745-7475

*Title V deviations for the reporting period are summarized below:*

Event Start: 8/20/2023 9:00 AM Stopper: 8/21/2023 11:00 AM  Ongoing Event

Source Number: S1031-Heat Recovery Steam Generator, SG-4901; S1030-Combustion Turbine Generator, GT-4901

Abatement Device:

Emission Point: P60-Cogen Stack GT/SG-4901

May have resulted in a violation of:

Permit: 19177.19d

AQMD:

Other:

1272 Event Description: During a SG/GT-4901 start up, the 3-hour CO concentration (at 15% O2) exceeded its limit at 9 am on 8/20/2023. The 3-hour CO concentration came back into compliance at 11 am on 8/21/2023. The duration of this event is being filed in an abundance of caution.

Probable Cause: An inoperative monitor, coupled with start-up of SG-4901 indicated a CO excess.

Corrective actions or preventative steps taken: Tubing near the probe was fixed and Nox came back below the limit.

Episode ID #: 08U42

NOV:



# BAAQMD Title V Permit 6 Month Deviation Summary Report

From 6/30/2023 to 12/31/2023

## B2626 Valero Benicia Refinery

### Facility Address:

3400 East Second Street  
Benicia, CA 945101097

### Mailing Address:

3400 East Second Street  
Benicia, CA 945101097

Contact: Taryn Goodwin

Title: Manager - Environmental Engineering

Phone: (707) 745-7475

Title V deviations for the reporting period are summarized below:

Event Start: 8/30/2023 9:00 AM Stopper: 8/30/2023 4:00 PM  Ongoing Event

Source Number: S1030-Combustion Turbine Generator, GT-4901

Abatement Device:

Emission Point:

May have resulted in a violation of:

Permit: 19177.14

AQMD:

Other:

1275 Event Description: On 8/30/23, the GT-4901 GC analyzer indicated an excess. The following indicated excess is being filed in an abundance of caution. The Duty 1-hr average limit of 500 MMBtu/hr was exceeded between 09:00 - 16:00 on 8/30/23.

Probable Cause: Issues with the GC Analyzer.

Corrective actions or  
preventative steps taken: GC Repaired.

Episode ID #: 08U45

NOV:



# BAAQMD Title V Permit 6 Month Deviation Summary Report

*From 6/30/2023 to 12/31/2023*

<b>B2626            Valero Benicia Refinery</b>	
<b>Facility Address:</b> 3400 East Second Street Benicia, CA 945101097	<b>Mailing Address:</b> 3400 East Second Street Benicia, CA 945101097
Contact: Taryn Goodwin	Title: Manager - Environmental Engineering            Phone: (707) 745-7475

*Title V deviations for the reporting period are summarized below:*

Event Start: 9/13/2023 1:12 PM Stopper: 9/18/2023 10:00 AM  Ongoing Event

Source Number:	REFFUG-Benicia Refinery Fugitives
Abatement Device:	
Emission Point:	

May have resulted in a violation of:

Permit:	
AQMD:	8-18
Other:	40 CFR 60.480

1277 Event Description: Following a BAAQMD inspection and correspondence with BAAQMD inspectors, Valero identified 44 valves and 149 connectors previously not identified with a unique permanent identification code. The Benicia Refinery has assigned a unique permanent identification code to each component and has integrated these components into the Refinery's LDAR program. Required components were inspected after discovery. All components were verified to be below leak standard.

Probable Cause: The Benicia Refinery has over 355,000 components in its database and had not identified this specific subset as being subject to Regulation 8-18.

Corrective actions or preventative steps taken: The Benicia Refinery has assigned a unique permanent identification code to each component and has integrated these components into the Refinery's LDAR program. Required components were inspected after discovery. All components were verified to be below leak standard.

Episode ID #:

NOV: 62155

# BAAQMD Title V Permit 6 Month Deviation Summary Report

From 6/30/2023 to 12/31/2023

## B2626 Valero Benicia Refinery

### Facility Address:

3400 East Second Street  
Benicia, CA 945101097

### Mailing Address:

3400 East Second Street  
Benicia, CA 945101097

Contact: Taryn Goodwin

Title: Manager - Environmental Engineering

Phone: (707) 745-7475

Title V deviations for the reporting period are summarized below:

Event Start: 9/27/2023 2:00 PM Stopper: 10/12/2023 11:00 AM  Ongoing Event

Source Number: unassigned-Tank, Refrigerated Butane Tank, TK-1726  
Abatement Device:   
Emission Point:

May have resulted in a violation of:

Permit:   
AQMD: 8-5-306.2  
Other:

1278 Event Description: Amendment 10/23/23: PV Vent (17160SP) located on Tk-1726 exceeded 500ppm emission standard during 2nd half 2023 routine fugitive emissions inspection. Valve replacement efforts complete.

PV vent found not to be gas tight. Valve replacement efforts in progress.

Probable Cause: PV vent not gas tight

Corrective actions or preventative steps taken: SV-17160SP was swapped out on 10/12/23 with SV-17109 LDAR #: 178142

Episode ID #:

NOV: 62156

# BAAQMD Title V Permit 6 Month Deviation Summary Report

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Contact: Taryn Goodwin	Title: Manager - Environmental Engineering      Phone: (707) 745-7475

*Title V deviations for the reporting period are summarized below:*

Event Start: 10/23/2023 7:45 AM Stopper: 10/23/2023 7:45 AM  Ongoing Event

Source Number:	NONE FPU site-Refinery (site)
Abatement Device:	
Emission Point:	

May have resulted in a violation of:

Permit:	
AQMD:	12-15-403
Other:	

1283 Event Description: On October 23, 2023, Valero Benicia refinery received an NOV (62199) for failure to obtain an approvable Fenceline Air Monitoring Plan. Valero does not agree with this NOV and a 10-day response letter has been submitted.

Probable Cause: On October 23, 2023, Valero Benicia refinery received an NOV (62199) for failure to obtain an approvable Fenceline Air Monitoring Plan. Valero does not agree with this NOV and a 10-day response letter has been submitted.

Corrective actions or preventative steps taken: On October 23, 2023, Valero Benicia refinery received an NOV (62199) for failure to obtain an approvable Fenceline Air Monitoring Plan. Valero does not agree with this NOV and a 10-day response letter has been submitted.

Episode ID #:

NOV: 62199

# BAAQMD Title V Permit 6 Month Deviation Summary Report

*From 6/30/2023 to 12/31/2023*

<b>B2626</b>	<b>Valero Benicia Refinery</b>
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3400 East Second Street Benicia, CA 945101097	3400 East Second Street Benicia, CA 945101097
Contact: Taryn Goodwin	Title: Manager - Environmental Engineering
	Phone: (707) 745-7475

*Title V deviations for the reporting period are summarized below:*

Event Start: 10/31/2023 4:00 PM Stopper: 10/31/2023 4:00 PM  Ongoing Event

Source Number:	REFFUG-Benicia Refinery Fugitives
Abatement Device:	
Emission Point:	

May have resulted in a violation of:

Permit:	
AQMD:	8-18
Other:	40 CFR 60.480

1284 Event Description: 3Q-23 refinery fugitives deviation report includes: 42 valves previously not documented.

Probable Cause: The Benicia Refinery has over 355,000 components in its database. A healthy fugitive emissions program will self-audit to identify single items or systems that may not be in compliance. By identifying these outliers, program improvements can be achieved.

Corrective actions or preventative steps taken: Routine auditing of refinery fugitives program. Identification of potential non-compliant components during routine monitoring. Special focused program improvement projects are conducted to improve units that are identified as needing improvement.

Required components were inspected after discovery. All components were verified to be below leak standard.

Episode ID #:

NOV:

# BAAQMD Title V Permit 6 Month Deviation Summary Report

*From 6/30/2023 to 12/31/2023*

<b>B2626</b>	<b>Valero Benicia Refinery</b>
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Contact: Taryn Goodwin	Title: Manager - Environmental Engineering      Phone: (707) 745-7475

*Title V deviations for the reporting period are summarized below:*

Event Start: <u>11/9/2023</u> <u>4:00 PM</u> Stopper: <u>11/9/2023</u> <u>5:00 PM</u> <input type="checkbox"/> Ongoing Event
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Source Number: <u>S220-Hot Oil Furnace, F-4460</u>
Abatement Device: <u></u>
Emission Point: <u></u>

May have resulted in a violation of:

Permit: <u>10574.23</u>
AQMD: <u></u>
Other: <u></u>

1285 Event Description: F4460 NOX exceeded the three hour rolling NOX concentration limit for 2 clock hours 16:00 to 17:00 hrs. The average concentration for the duration of the excess was 12.8 ppm.

Probable Cause: Loss of power from Feeder 9.

Corrective actions or preventative steps taken: Electrical restored power to Feeder 9 and unit was normalized.

Episode ID #: 08V92

NOV:

# BAAQMD Title V Permit 6 Month Deviation Summary Report

From 6/30/2023 to 12/31/2023

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Contact: Taryn Goodwin	Title: Manager - Environmental Engineering	Phone: (707) 745-7475

Title V deviations for the reporting period are summarized below:

Event Start: 11/5/2023 11:00 AM Stopper: 11/9/2023 11:00 AM  Ongoing Event

Source Number: S85-Tank, TK-1757  
Abatement Device:   
Emission Point:

May have resulted in a violation of:

Permit:   
AQMD: 8-5-304.4  
Other:

1286 Event Description: Tk-1757 oil on roof. Approximately 0.5 gallons. On 11/5/2023 at 11:00 AM, a small amount of oil was identified on the roof. The tank was temporarily isolated to allow for safe clean-up.

Probable Cause: Nitrogen was being used for clearing which caused approximately 0.5 gallons of the tank contents to spray onto the roof.

Corrective actions or preventative steps taken: The tank was stilled so that it could safely be cleaned. On 11/9/2023, all material was removed from the tank roof and the roof was cleaned.

Episode ID #:

NOV: 62159

# BAAQMD Title V Permit 6 Month Deviation Summary Report

*From 6/30/2023 to 12/31/2023*

<b>B2626                      Valero Benicia Refinery</b>	
<b>Facility Address:</b> 3400 East Second Street Benicia, CA 945101097	<b>Mailing Address:</b> 3400 East Second Street Benicia, CA 945101097
Contact: Taryn Goodwin	Title: Manager - Environmental Engineering                      Phone: (707) 745-7475

*Title V deviations for the reporting period are summarized below:*

Event Start: 10/31/2023 1:00 PM Stopper: 10/31/2023 1:00 PM  Ongoing Event

Source Number:	S1010-Hydrogen Production Facilities
Abatement Device:	
Emission Point:	

May have resulted in a violation of:

Permit:	
AQMD:	8-18-306.1
Other:	

1288 Event Description: On October 31, 2023, Valero Benicia Refinery received an NOV (62158) for failure to conduct Mass Emissions Sampling on Hydrogen Compressor (C-302A) connector leak (LDAR Tag #191778) within 30-days of adding to Delay of Repair List. Valero does not agree with this NOV and has submitted a 10-day response letter.

Probable Cause: On October 31, 2023, Valero Benicia Refinery received an NOV (62158) for failure to conduct Mass Emissions Sampling on Hydrogen Compressor (C-302A) connector leak (LDAR Tag #191778) within 30-days of adding to Delay of Repair List. Valero does not agree with this NOV and has submitted a 10-day response letter.

Corrective actions or preventative steps taken: On October 31, 2023, Valero Benicia Refinery received an NOV (62158) for failure to conduct Mass Emissions Sampling on Hydrogen Compressor (C-302A) connector leak (LDAR Tag #191778) within 30-days of adding to Delay of Repair List. Valero does not agree with this NOV and has submitted a 10-day response letter.

Episode ID #:

NOV: 62158

BAAQMD Title V Permit  
6 Month Deviation Summary Report

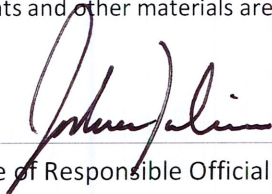
From 6/30/2023 to 12/31/2023

<b>B2626</b>	<b>Valero Benicia Refinery</b>		
<b>Facility Address:</b>		<b>Mailing Address:</b>	
3400 East Second Street Benicia, CA 945101097		3400 East Second Street Benicia, CA 945101097	
Contact: Taryn Goodwin	Title: Manager - Environmental Engineering	Phone: (707) 745-7475	

Title V deviations for the reporting period are summarized below:

**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   
Signature of Responsible Official

Joshua Tulino  
Print Name

Vice President and General Manager  
Title

1/24/24  
Date



# BAAQMD Title V Permit 6 Month Monitoring Report

From 7/1/2023 to 12/31/2023

## B2626 Valero Benicia Refinery

**Facility Address:**

3400 East Second Street  
Benicia, CA 945101097

**Mailing Address:**

3400 East Second Street  
Benicia, CA 945101097

Contact: Taryn Goodwin

Title: Manager - Environmental Engineering

Phone: (707) 745-7475

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

	CEM	GLM	Fuel Gas	Parametric	NOx	SO2	CO	H2S	TRS	NH3	O2	CO2	H2O	Opacity/ LTA	Lead	Steam	Flow	Wind Dir.	Wind Speed	pH	Temp.	VOC	Guage Press.
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Ref: 1264 Event Started: <u>7/1/2023 4:15 PM</u> Stopped: <u>7/12/2023 8:07 AM</u> <input checked="" type="checkbox"/> Has Stopped	<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 checked="" 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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Source Number: S7-Process Furnace, Jet Fuel Hydrofining, F-103; S20-Process Furnace, Naphtha Hydrofining, F-104; S21-Hydrogen Reformer Furnace, F-301; S22-Hydrogen Reformer Furnace, F-351; S23-Gas Oil Hydrocracking, F-401; S24-Process Furnace, Cat Feed Hydrofining, F-601; S25-Process Furnace, Cat Feed Preheat, F-701; S26-Process Furnace, HCN Hydrofining, F-801; S30-Process Furnace, PFR Preheat, F-2901; S31-Process Furnace, PFR Preheat, F-2902; S32-Process Furnace, PFR Preheat, F-2903; S33-Process Furnace, PFR Preheat, F-2904; S34-Process Furnace, Gas Heater, F-2905; S35-Process Furnace, Gas Heater, F-2906; S40-Steam Generator, SG-2301; S41-Steam Generator, SG-2302; S173-Coker Steam Superheat Furnace, F-902; S220-Hot Oil Furnace, F-4460; S237-Boiler, SG-1032; S247-Reactor Charge Heater, ULSD Unit, F-5401; S248-Stripper Reboiler Heater, ULSD Unit, F-5402; S1030-Combustion Turbine Generator, GT-4901; S1031-Heat Recovery Steam Generator, SG-4901

Abatement Device: \_\_\_\_\_  
Emission Point: \_\_\_\_\_

Event Description: LPFG H2S and TRS went inoperative on 7/1/23 at 4:15PM. Analyzer was repaired and passed calibration on 7/12 at 8:07 AM.

Ref: 1265 Event Started: <u>6/1/2023 12:15 PM</u> Stopped: <u>6/6/2023 6:30 AM</u> <input checked="" type="checkbox"/> Has Stopped	<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 checked="" 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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Source Number: S1030-Combustion Turbine Generator, GT-4901; S1031-Heat Recovery Steam Generator, SG-4901

Abatement Device: \_\_\_\_\_  
Emission Point: \_\_\_\_\_

Event Description: Cogen SG/GT-4901 became inoperative for H2S, and TRS on 6/1/2023 12:15 PM. The analyzer was recalibrated and passed on 6/6/23 @ 6:30 am. The inoperative monitor occurrence was discovered on 7/10/23 during a records review and is being reported beyond the following business day after a period of inoperation greater than 24 continuous hours.

Ref: 1267 Event Started: <u>8/2/2023 3:15 AM</u> Stopped: <u>8/3/2023 7:54 PM</u> <input checked="" type="checkbox"/> Has Stopped	<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 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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Source Number: S19-North Flare, ST-2103

Abatement Device: \_\_\_\_\_  
Emission Point: \_\_\_\_\_

Event Description: North Flare TRS Analyzer became inoperative for TRS on 08/2/23 3:15 AM.

# BAAQMD Title V Permit 6 Month Monitoring Report

From 7/1/2023 to 12/31/2023

## B2626 Valero Benicia Refinery

**Facility Address:**

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Benicia, CA 945101097

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Benicia, CA 945101097

Contact: Taryn Goodwin

Title: Manager - Environmental Engineering

Phone: (707) 745-7475

	Fuel											Opacity/				Wind		Wind		Guage			
	CEM	GLM	Gas	Parametric	NOx	SO2	CO	H2S	TRS	NH3	O2	CO2	H2O	LTA	Lead	Steam	Flow	Dir.	Speed	pH	Temp.	VOC	Press.
Ref: 1270 Event Started: <u>8/18/2023 5:58 AM</u> Stopped: <u>8/21/2023 10:55 AM</u> <input checked="" type="checkbox"/> Has Stopped  Source Number: <input type="text"/> Abatement Device: <input type="text"/> Emission Point: <u>P1059-FGS Stack ST-5601</u>	<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"/>
Event Description: FGS SO2 analyzer failed daily validation on 8/18/2023 at 5:58AM. Analyzer was fixed and passed recalibration on 8/21/2023 10:55 AM.																							
Ref: 1271 Event Started: <u>8/20/2023 7:16 AM</u> Stopped: <u>8/21/2023 11:11 AM</u> <input checked="" type="checkbox"/> Has Stopped  Source Number: <u>S1031-Heat Recovery Steam Generator, SG-4901; S1030-Combustion Turbine Generator, GT-4901</u> Abatement Device: <input type="text"/> Emission Point: <u>P60-Cogen Stack GT/SG-4901</u>	<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 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: Cogen CO and O2 failed calibration on 08/20/2023 and 08/21/2023 at 07:16AM. Analyzer was re-calibrated and passed validation on 08/21/2023 at 11:11 AM																							
Ref: 1274 Event Started: <u>8/27/2023 7:15 AM</u> Stopped: <u>8/28/2023 9:51 AM</u> <input checked="" type="checkbox"/> Has Stopped  Source Number: <u>S220-Hot Oil Furnace, F-4460</u> Abatement Device: <input type="text"/> Emission Point: <input type="text"/>	<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"/>
Event Description: Analyzer failed calibration 8/27/2023 at 7:15 AM, analyzer became greater than 24 hours of Inop on 8/28/2023 7:15 AM. Analyzer was recalibrated and passed on 8/28/2023 9:51 AM.																							
Ref: 1276 Event Started: <u>9/10/2023 3:15 AM</u> Stopped: <u>9/11/2023 2:48 PM</u> <input checked="" type="checkbox"/> Has Stopped  Source Number: <u>S19-North Flare, ST-2103</u> Abatement Device: <input type="text"/> Emission Point: <u>P3-North Flare Emission Point, P-3</u>	<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"/>
Event Description: Ammendment 12/28/2023: North flare TS went inop on 9/10/2023 at 3:15 am. The analyzer was recalibrated and passed validation on 9/11/2023 at 3:30 pm. North flare TS went inop on 9/9/2023 at 3:15 am. The analyzer was recalibrated and passed validation on 9/11/2023 at 3:30 pm.																							

# BAAQMD Title V Permit 6 Month Monitoring Report

From 7/1/2023 to 12/31/2023

## B2626 Valero Benicia Refinery

**Facility Address:**

3400 East Second Street  
Benicia, CA 945101097

**Mailing Address:**

3400 East Second Street  
Benicia, CA 945101097

Contact: Taryn Goodwin

Title: Manager - Environmental Engineering

Phone: (707) 745-7475

<i>Inoperable monitors as defined by BAAQMD Regulations 1-522 and 1-523 for the reporting period are summarized below</i>				CEM	GLM	Fuel Gas	Parametric	NOx	SO2	CO	H2S	TRS	NH3	O2	CO2	H2O	Opacity/ LTA	Lead	Steam	Flow	Wind Dir.	Wind Speed	pH	Temp.	VOC	Guage Press.	
Ref: 1280	Event Started: 10/7/2023 7:16 AM	Stopped: 10/8/2023 7:16 PM	<input checked="" type="checkbox"/> Has Stopped	<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"/>	
Source Number: S1030-Combustion Turbine Generator, GT-4901; S1031-Heat Recovery Steam Generator, SG-4901				Event Description: On 10/7/2023 at 7:16 AM Cogen Nox analyzer failed calibration. Analyzer became inoperative >24hrs on 10/8/2023 at 7:17 AM. Analyzer was re-calibrated and passed validation on 10/8/2023 at 7:16 PM.																							
Abatement Device:																											
Emission Point:																											
Ref: 1282	Event Started: 10/22/2023 6:30 AM	Stopped: 10/24/2023 6:30 AM	<input checked="" type="checkbox"/> Has Stopped	<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"/>	
Source Number:				Event Description: Flexsorb CS2 low validation failed 10/22/2023 at 6:30 AM, the analyzer became inoperative for >24 hours 10/23/2023 at 6:30 AM. The analyzer was re-calibrated and passed 10/24/2023 6:30 AM.																							
Abatement Device: A56-Tail Gas Cleanup Unit on SGU A/B Trains (Flexsorb Section)																											
Emission Point:																											
Ref: 1290	Event Started: 11/19/2023 6:30 AM	Stopped: 11/20/2023 8:31 AM	<input checked="" type="checkbox"/> Has Stopped	<input checked="" 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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Source Number:				Event Description: Flexsorb H2S and CS2 high validation failed 11/19/2023 at 6:30 AM, the analyzer became inoperative for >24 hours 11/20/2023 at 6:30 AM. The analyzer was re-calibrated and passed 11/20/2023 at 8:31 AM.																							
Abatement Device: A56-Tail Gas Cleanup Unit on SGU A/B Trains (Flexsorb Section)																											
Emission Point:																											
Ref: 1291	Event Started: 12/13/2023 9:15 AM	Stopped: 12/14/2023 12:10 PM	<input checked="" type="checkbox"/> Has Stopped	<input checked="" 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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Source Number: S19-North Flare, ST-2103				Event Description: On 12/13/2023 at 3:15 AM the North Flare TRS analyzer failed calibration. Analyzer became inoperative >24hrs on 12/14/2023 at 3:16 AM. Analyzer was re-calibrated and passed validation on 12/14/2023 at 12:10 PM.																							
Abatement Device:																											
Emission Point:																											

# BAAQMD Title V Permit 6 Month Monitoring Report

From 7/1/2023 to 12/31/2023

<b>B2626</b>	<b>Valero Benicia Refinery</b>		
<b>Facility Address:</b> 3400 East Second Street Benicia, CA 945101097		<b>Mailing Address:</b> 3400 East Second Street Benicia, CA 945101097	
Contact: Taryn Goodwin		Title: Manager - Environmental Engineering	Phone: (707) 745-7475

Inoperable monitors as defined by BAAQMD Regulations 1-522 and 1-523 for the reporting period are summarized below	CEM	GLM	Fuel Gas	Parametric	NOx	SO2	CO	H2S	TRS	NH3	O2	CO2	H2O	Opacity/LTA	Lead	Steam	Flow	Wind Dir.	Wind Speed	pH	Temp.	VOC	Guage Press.
Ref: 1293 Event Started: 12/27/2023 9:07 AM Stopped: 12/28/2023 10:18 AM <input checked="" type="checkbox"/> Has Stopped	<input checked="" 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 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"/>
Source Number: S1030-Combustion Turbine Generator, GT-4901; S1031-Heat Recovery Steam Generator, SG-4901	Event Description: During a recalibration of the Cogen TRS H2S analyzer on 12/27 at 9:07 AM, the process valve was closed to calibrate the analyzer. After completing the calibration, the process valve was inadvertently left closed. The analyzer then became inop for >24 hours on 12/28 at 9:07 AM. The issue was found on 12/28 at 10:18 AM and the valve was reopened, stopping the period of inop.																						
Abatement Device:																							
Emission Point:																							

**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	Joshua Tulino	Vice President and General Manager	1/24/24
Signature of Responsible Official	Print Name	Title	Date

# BAAQMD Title V Permit 6 Month Deviation Summary Report

From 6/1/2023 to 12/31/2023

## A0901 Valero Benicia Asphalt Plant

### Facility Address:

3001 Park Road  
Benicia, CA 94510

### Mailing Address:

3001 Park Road  
Benicia, CA 94510

Contact: Taryn Goodwin

Title: Manager - Environmental Engineering

Phone: (707) 745-7475

Title V deviations for the reporting period are summarized below:

Event Start: 10/3/2023 3:30 PM Stopper: 12/18/2023 8:00 PM  Ongoing Event

Source Number: S34-Tank Heater, H-4605 (natural gas); NONE-Tank Heater, H-4608 (natural gas)

Abatement Device:

Emission Point:

May have resulted in a violation of:

Permit:

AQMD: 9-10-306

Other:

1281 Event Description: Amendment 12/19/2023: The annual tune-ups for H-4605 and H-4608 were completed on 12/18/2023.

We are unable to find records of annual tune-ups required under 9-10-306.

Probable Cause: The cause is not known.

Corrective actions or preventative steps taken: The annual tune-ups for H-4605 and H-4608 were completed on 12/18/2023.

Episode ID #:

NOV: 62157



BAAQMD Title V Permit  
6 Month Deviation Summary Report

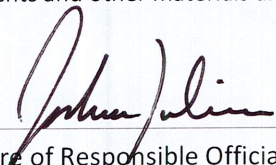
From 6/1/2023 to 12/31/2023

<b>A0901</b>	<b>Valero Benicia Asphalt Plant</b>	
<b>Facility Address:</b> 3001 Park Road Benicia, CA 94510	<b>Mailing Address:</b> 3001 Park Road Benicia, CA 94510	
Contact: Taryn Goodwin	Title: Manager - Environmental Engineering	Phone: (707) 745-7475

Title V deviations for the reporting period are summarized below:

**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  \_\_\_\_\_  
Signature of Responsible Official

Joshua Tulino \_\_\_\_\_  
Print Name

Vice President and General Manager \_\_\_\_\_  
Title

\_\_\_\_\_ 1/24/24 \_\_\_\_\_  
Date

BAAQMD Title V Permit  
6 Month Monitoring Report

From 6/1/2023 to 12/31/2023

**A0901 Valero Benicia Asphalt Plant**

**Facility Address:**

3001 Park Road  
Benicia, CA 94510

Contact: Taryn Goodwin

**Mailing Address:**

3001 Park Road  
Benicia, CA 94510

Title: Manager - Environmental Engineering

Phone: (707) 745-7475

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

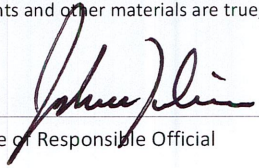
***No Inoperable Monitors for this time period.***

**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

Signature of Responsible Official



Joshua Tulino

Print Name

Vice President and General Manager

Title

Date

1/24/24

Thursday, January 11, 2024

# BAAQMD Title V Permit 6 Month Deviation Summary Report

From 6/1/2023 to 12/31/2023

<b>B5574</b>	<b>Nustar Logistics</b>	
<b>Facility Address:</b> 3400 East Second Street Benicia, CA 94510	<b>Mailing Address:</b> 3400 East Second Street Benicia, CA 945101097	
Contact: Taryn Goodwin	Title: Manager - Environmental Engineering	Phone: (707) 745-7475

Title V deviations for the reporting period are summarized below:

Event Start: <u>11/5/2023 11:00 AM</u> Stopper: <u>11/9/2023 11:00 AM</u> <input type="checkbox"/> Ongoing Event
------------------------------------------------------------------------------------------------------------------

Source Number: <u>S59-Tank, TK-1703</u>
Abatement Device: <u></u>
Emission Point: <u></u>

May have resulted in a violation of:

Permit: <u></u>
AQMD: <u>8-5-304.4</u>
Other: <u></u>

1287 Event Description: Tk-1703 oil on roof. Approximately 0.5 gallons. On 11/5/2023 at 11:00 AM, a small amount of oil was identified on the roof. The tank was temporarily isolated to allow for safe clean-up.

Probable Cause: Nitrogen was being used for clearing which caused approximately 0.5 gallons of the tank contents to spray onto the roof.

Corrective actions or preventative steps taken: The tank was stilled so that it could be safely cleaned. On 11/9/2023, all material was removed from the tank roof and the roof was cleaned.

Episode ID #:

NOV: 62160



BAAQMD Title V Permit  
6 Month Deviation Summary Report

From 6/1/2023 to 12/31/2023

**B5574**

**Nustar Logistics**

**Facility Address:**

3400 East Second Street  
Benicia, CA 94510

**Mailing Address:**

3400 East Second Street  
Benicia, CA 945101097

Contact: Taryn Goodwin

Title: Manager - Environmental Engineering

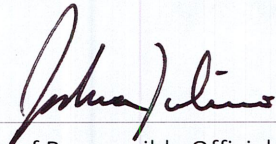
Phone: (707) 745-7475

*Title V deviations for the reporting period are summarized below:*

**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



Signature of Responsible Official

Joshua Tulino

Print Name

Vice President and General Manager

Title

1/24/24

Date

BAAQMD Title V Permit  
6 Month Monitoring Report

From 6/1/2023 to 12/31/2023

**B5574 Nustar Logistics**

**Facility Address:**

3400 East Second Street  
Benicia, CA 94510

Contact: Taryn Goodwin

**Mailing Address:**

3400 East Second Street  
Benicia, CA 945101097

Title: Manager - Environmental Engineering

Phone: (707) 745-7475

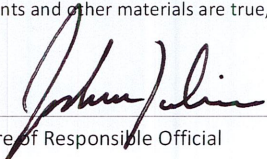
*Inoperable monitors as defined by BAAQMD Regulations 1-522 and 1-523 for the reporting period are summarized below*

***No Inoperable Monitors for this time period.***

**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



Signature of Responsible Official

Joshua Tulino

Print Name

Vice President and General Manager

Title

1/24/24

Date

Thursday, January 11, 2024