



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

July 20, 2023

TV Tracking #: 746 (B2626)
TV Tracking #: 747 (A0901)
TV Tracking #: 748 (B5574)

1. RECEIVED IN ENFORCEMENT: 07/21/2023

Refinery, Asphalt Plant & B5574
June 2023 30-Day Title V Deviation Reports
Monitoring Reports for January 2023-June 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 30-day deviation reports summarizing June 2023 Title V deviations for all three permits. Also 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 707-745-7637 if you have any questions or need further information.

Sincerely,

Rina Putnam
Staff Environmental Engineer

Ecc : Marie Miller, mmiller@baaqmd.gov
compliance@baaqmd.gov

Enclosures

BAAQMD Title V Permit 30 Day Deviation Summary Report

From 6/1/2023 to 6/30/2023

B2626 Valero Benicia Refinery

Facility Address:

3400 East Second Street
Benicia, CA 945101097

Mailing Address:

3400 East Second Street
Benicia, CA 945101097

Contact: Taryn Wier

Title: Manager - Environmental Engineering

Phone: (707) 745-7475

Event Start: 6/3/2023 12:20 PM Stop: 6/3/2023 1:05 PM Ongoing Event

Source Number: S1010-Hydrogen Production Facilities

Abatement Device:

Emission Point: P1010-ST-302

May have resulted in a violation of:

Permit: 27609 Part 1

AQMD: Reg 8-2-301

Other:

1260 Event Description: On 6/3/23, P017 valve opened from 12:20 pm - 1:05 pm and approximately 119 lbs of total carbon was released from vent P1010 (ST-302) to atmosphere. A project has been underway to address releases from this vent during startup, shutdown and process upsets.

Probable Cause: 1900# hydrogen grid experienced grid instability due to change in hydrogen demand by hydrogen consumer.

Corrective actions or preventative steps taken: Hydrogen Grid pressure was stabilized.

Episode ID #: 08S97

NOV:

BAAQMD Title V Permit
30 Day Deviation Summary Report

From 6/1/2023 to 6/30/2023

B2626 Valero Benicia Refinery

Facility Address:

3400 East Second Street
Benicia, CA 945101097

Mailing Address:

3400 East Second Street
Benicia, CA 945101097

Contact: Taryn Wier

Title: Manager - Environmental Engineering

Phone: (707) 745-7475

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

7/20/23

Date

BAAQMD Title V Permit
30 Day Deviation Summary Report

From 6/1/2023 to 6/30/2023

A0901 Valero Benicia Asphalt Plant

Facility Address:

3001 Park Road
Benicia, CA 94510

Mailing Address:

3001 Park Road
Benicia, CA 94510

Contact: Taryn Wier

Title: Manager - Environmental Engineering

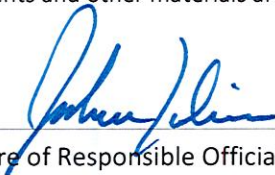
Phone: (707) 745-7475

No deviation 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

7/20/23

Date

Tuesday, July 18, 2023

BAAQMD Title V Permit
30 Day Deviation Summary Report

From 6/1/2023 to 6/30/2023

B5574

Nustar Logistics

Facility Address:

3400 East Second Street
Benicia, CA 94510

Mailing Address:

3400 East Second Street
Benicia, CA 945101097

Contact: Taryn Wier

Title: Manager - Environmental Engineering

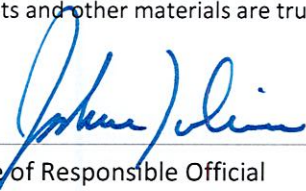
Phone: (707) 745-7475

No deviation 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

7/20/23

Date

Tuesday, July 18, 2023

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

B2626 Valero Benicia Refinery

Facility Address:

3400 East Second Street
Benicia, CA 945101097

Mailing Address:

3400 East Second Street
Benicia, CA 945101097

Contact: Taryn Wier

Title: Manager - Environmental Engineering

Phone: (707) 745-7475

Title V deviations for the reporting period are summarized below:

Event Start: 3/15/2023 7:55 AM Stopper: 3/15/2023 7:55 AM Ongoing Event

Source Number:

Abatement Device:

Emission Point:

May have resulted in a violation of:

Permit:

AQMD:

Other:

1242 Event Description: On March 15, 2023, Valero Benicia Refinery received an NOV (62179) from the BAAQMD. The NOV was issued for exceeding the 3-hr 162 ppm H2S limit from the North and South Flare on December 10, 2021. Valero does not agree with this NOV and submitted a response letter on 3/24/23.

Probable Cause: On March 15, 2023, Valero Benicia Refinery received an NOV (62179) from the BAAQMD. The NOV was issued for exceeding the 3-hr 162 ppm H2S limit from the North and South Flare on December 10, 2021. Valero does not agree with this NOV and submitted a response letter on 3/24/23.

Corrective actions or preventative steps taken: On March 15, 2023, Valero Benicia Refinery received an NOV (62179) from the BAAQMD. The NOV was issued for exceeding the 3-hr 162 ppm H2S limit from the North and South Flare on December 10, 2021. Valero does not agree with this NOV and submitted a response letter on 3/24/23.

Episode ID #:

NOV: 62179

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

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

Title V deviations for the reporting period are summarized below:

Event Start: 3/15/2023 7:55 AM Stopper: 3/15/2023 7:55 AM Ongoing Event

Source Number:	
Abatement Device:	
Emission Point:	

May have resulted in a violation of:

Permit:	
AQMD:	
Other:	40 CFR 63.670

1243 Event Description: On March 15, 2023, Valero Benicia Refinery received NOV (62178) from the BAAQMD. The NOV was issued for exceeding the limit of no visible emissions for greater than 5 minutes in any 2 consecutive hour period from the North and South Flare on July 21, 2022.

Probable Cause: On March 15, 2023, Valero Benicia Refinery received NOV (62178) from the BAAQMD. The NOV was issued for exceeding the limit of no visible emissions for greater than 5 minutes in any 2 consecutive hour period from the North and South Flare on July 21, 2022.

Corrective actions or preventative steps taken: On March 15, 2023, Valero Benicia Refinery received NOV (62178) from the BAAQMD. The NOV was issued for exceeding the limit of no visible emissions for greater than 5 minutes in any 2 consecutive hour period from the North and South Flare on July 21, 2022.

Episode ID #:

NOV: 62178

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

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

Title V deviations for the reporting period are summarized below:

Event Start: <u>3/23/2023 11:00 AM</u> Stopper: <u>3/23/2023 11:00 AM</u> <input type="checkbox"/> Ongoing Event
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Source Number: <u>S1006-Crude Distillation (Pipestill)</u>
Abatement Device: <u></u>
Emission Point: <u></u>

May have resulted in a violation of:

Permit: <u></u>
AQMD: <u>8-18 -307</u>
Other: <u></u>

1244 Event Description: Sample point and sample waste container not closed and visually leaking more than 3 drips per minute.

Probable Cause: Sampling point and waste container not closed after use.

Corrective actions or preventative steps taken: Closed sample point and closed sample waste container.

Episode ID #:

NOV: 62180

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

B2626 Valero Benicia Refinery

Facility Address:

3400 East Second Street
Benicia, CA 945101097

Mailing Address:

3400 East Second Street
Benicia, CA 945101097

Contact: Taryn Wier

Title: Manager - Environmental Engineering

Phone: (707) 745-7475

Title V deviations for the reporting period are summarized below:

Event Start: 3/31/2023 9:30 AM Stopper: 3/31/2023 9:50 AM Ongoing Event

Source Number: S81-Tank, TK-1753

Abatement Device:

Emission Point:

May have resulted in a violation of:

Permit:

AQMD: 8-5-322.5

Other:

1246 Event Description: During a tank seal inspection on TK-1753 contract inspector identified a gap greater than regulation 8-5 criteria.

Probable Cause: Normal wear.

Corrective actions or preventative steps taken: Equipment maintenance; gaps were closed and rechecked.

Episode ID #:

NOV: 62183

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

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

Title V deviations for the reporting period are summarized below:

Event Start: <u>3/30/2023 9:30 AM</u>	Stopper: <u>3/30/2023 9:52 AM</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></u>
AQMD: <u>8-18-301</u>
Other: <u></u>

1247 Event Description: Equipment was found to be leaking >100 ppm total organic compounds during BAAQMD inspection on 3/30/23. The leaking equipment was immediately blocked in and isolated. On April 5, 2023, Valero Benicia Refinery received NOV (62181) from the BAAQMD. The NOV was issued for total organic compound leak greater than 100 ppm from flexible fuel line.

Probable Cause: Normal wear

Corrective actions or preventative steps taken: Lines were blocked in and isolated and repaired.

Episode ID #:

NOV: 62181

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

B2626 Valero Benicia Refinery

Facility Address:

3400 East Second Street
Benicia, CA 945101097

Mailing Address:

3400 East Second Street
Benicia, CA 945101097

Contact: Taryn Wier

Title: Manager - Environmental Engineering

Phone: (707) 745-7475

Title V deviations for the reporting period are summarized below:

Event Start: 4/3/2023 1:48 PM Stopper: 4/3/2023 2:05 PM Ongoing Event

Source Number: S220-Hot Oil Furnace, F-4460

Abatement Device:

Emission Point:

May have resulted in a violation of:

Permit:

AQMD: 8-18.301

Other:

1248 Event Description: Equipment was found to be leaking >100 ppm total organic compounds during BAAQMD inspection on 4/3/23. The leaking equipment was immediately blocked in and isolated. On April 6, 2023, Valero Benicia Refinery received NOV (62182) from the BAAQMD. The NOV was issued for total organic compound leak greater than 100 ppm from flexible fuel line.

Probable Cause: Normal wear

Corrective actions or preventative steps taken: Lines have been blocked in and isolated and repaired.

Episode ID #:

NOV: 62182

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

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

Title V deviations for the reporting period are summarized below:

Event Start: <u>12/14/2015 12:00 AM</u> Stopper: _____ <input checked="" type="checkbox"/> Ongoing Event
--

May have resulted in a violation of:

Source Number: S1010-Hydrogen Production Facilities	Permit:
Abatement Device:	AQMD: 8-2-301
Emission Point: P1010-ST-302	Other:

1073 Event Description: The BAAQMD determined there are excessive continuous POC emissions from the hydrogen vent (H2P017). These emissions are attributed to the Catalytic Reformer (NRU).

Probable Cause: Hydrogen plant configuration

Corrective actions or preventative steps taken: Amendment 7/20/23: SOA approved by BAAQMD hearing board on 3/15/22. Bi-monthly status reports being submitted to BAAQMD engineering since May 2022. Permit application for project submitted on 9/7/22.

Ongoing: remedies being investigated

Episode ID #:

NOV: 58465; 59514

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

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

Title V deviations for the reporting period are summarized below:

Event Start: <u>6/1/2007 12:00 PM</u> Stopper: _____ <input checked="" type="checkbox"/> Ongoing Event
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Source Number: <u>S1010-Hydrogen Production Facilities</u>
Abatement Device: _____
Emission Point: _____

May have resulted in a violation of:

Permit: _____
AQMD: <u>8-28</u>
Other: _____

1112 Event Description: AMENDED 3/8/2021: Discovered 19 Atmospheric Pressure Relief Devices (PRDs), in the hydrogen unit, missing from the Reg 8-28 list which had been compiled in 2007. This discovery came about while preparing the response to the Reg 13-5 Information Request which requested release data from vents, as well as releases from PRDs to atmosphere. An additional 8 atmospheric PRDs were discovered through additional reviews of atmospheric PRDs for a total of 27.

Discovered 19 Atmospheric Pressure Relief Devices (PRDs), in the hydrogen unit, missing from the Reg 8-28 list which had been compiled in 2007. This discovery came about while preparing the response to the Reg 13-5 Information Request which requested release data from vents, as well as releases from PRDs to atmosphere.

Probable Cause: Identified as H2 service, not realizing the extent of non-methane hydrocarbons in the H2 streams.

Corrective actions or preventative steps taken: Amendment 7/20/23: Permit exemption package submitted to BAAQMD on 7/18/23. Project will route all 19 PRDs to flare.

Thorough review of atmospheric PRDs is ongoing to ensure Reg 8-28 list is complete.

Episode ID #:

NOV: 59513; 59526; 59609; 60806; 60805; 62188

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

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

Title V deviations for the reporting period are summarized below:

Event Start: 1/15/2023 11:00 PM Stopper: 1/16/2023 2:00 AM Ongoing Event

Source Number:	S1030-Combustion Turbine Generator, GT-4901; S1031-Heat Recovery Steam Generator, SG-4901
Abatement Device:	
Emission Point:	P60-Cogen Stack GT/SG-4901

May have resulted in a violation of:

Permit:	PC #19177.19(b);PC #19177.19(a)
AQMD:	
Other:	

1226 Event Description: GT-4901/SG-4901 exceeded the 7.29lb/hr NOx limit on 1/15/23 at 23:00 and exceeded the 2.5 ppm NOx 3-hr avg limit from 23:00 on 1/15/23 - 02:00 on 11/16/22. The average concentration during the excess was 2.64 ppm.

Probable Cause: Seal Leak on P-4901 caused all NOx water from to GT4901 to stop for 15 minutes.

Corrective actions or preventative steps taken: A spare pump was started to reintroduce NOx water flow.

Episode ID #: 08Q21;08Q21

NOV:

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

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

Title V deviations for the reporting period are summarized below:

Event Start: 1/18/2023 11:39 AM Stopper: 1/18/2023 11:39 AM Ongoing Event

Source Number:	
Abatement Device:	
Emission Point:	P3-North Flare Emission Point, P-3; P2-South Flare Emission Point, P-2

May have resulted in a violation of:

Permit:	
AQMD:	1-523.3; 2-1-307
Other:	

1228 Event Description: On January 18, 2023, Valero Benicia Refinery received 20 NOV's (60578,60579,60580,60581,60582,60583,60584,60585,60586,60587,60818,60819,60820,60821,60822,60823,60824,60825,60826,60827) from the BAAQMD. The NOV's were issued for operating below 270 BTU/SCF & late reported parametric. Valero submitted a response letter on January 27, 2023.

Probable Cause: On January 18, 2023, Valero Benicia Refinery received 20 NOV's (60578,60579,60580,60581,60582,60583,60584,60585,60586,60587,60818,60819,60820,60821,60822,60823,60824,60825,60826,60827) from the BAAQMD. The NOV's were issued for operating below 270 BTU/SCF & late reported parametric. Valero submitted a response letter on January 27, 2023.

Corrective actions or preventative steps taken: On January 18, 2023, Valero Benicia Refinery received 20 NOV's (60578,60579,60580,60581,60582,60583,60584,60585,60586,60587,60818,60819,60820,60821,60822,60823,60824,60825,60826,60827) from the BAAQMD. The NOV's were issued for operating below 270 BTU/SCF & late reported parametric. Valero submitted a response letter on January 27, 2023.

Episode ID #:

NOV: 60578; 60579; 60580; 60581; 60582; 60583; 60584; 60585; 60586; 60587; 60818; 60819; 60820; 60821; 60822; 60823; 60824; 60825; 60826; 60827

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

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

Title V deviations for the reporting period are summarized below:

Event Start: 1/28/2023 12:00 AM Stopper: 1/28/2023 4:42 AM Ongoing Event

Source Number:	S1010-Hydrogen Production Facilities; S1004-Catalytic Reformer (Powerformer)
Abatement Device:	
Emission Point:	P1010-ST-302

May have resulted in a violation of:

Permit:	27609 Part 1
AQMD:	Reg. 8-2-301
Other:	

1229 Event Description: On 1/28/23, during a planned shutdown of a downstream Hydrogen consuming unit, P017 valve opened intermittently from 12:05 am - 4:41 am and approximately 56 lbs of total carbon was released from vent P1010 (ST-302) to atmosphere. A project has been underway to address releases from this vent during startup, shutdown and process upsets.

Probable Cause: 1900# hydrogen grid experienced grid instability while shutting down HCU and ramping down production from the H2 trains.

Corrective actions or preventative steps taken: H2 production was ramped down and hydrogen grid pressure was stabilized.

Episode ID #: 08Q47

NOV: 62193

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

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

Title V deviations for the reporting period are summarized below:

Event Start: <u>6/26/2013</u>	Stopper: <u>6/26/2013</u>	<input type="checkbox"/> Ongoing Event
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May have resulted in a violation of:

Source Number: <u>S1010-Hydrogen Production Facilities</u>	Permit: <u></u>
Abatement Device: <u></u>	AQMD: <u>8-2-301</u>
Emission Point: <u></u>	Other: <u>40 CFR 63.643</u>

1230 Event Description: On January 26, 2023, Valero Benicia Refinery received an NOV (60588) from the BAAQMD. The NOV was issued for exceeding the 15 lb/day and 300 ppm total carbon limits from Vents 2A & 2B and Vents 3A and 3B at the H2U on 6/26/13. Valero submitted a response letter by 2/3/23.

Probable Cause: On January 26, 2023, Valero Benicia Refinery received an NOV (60588) from the BAAQMD. The NOV was issued for exceeding the 15 lb/day and 300 ppm total carbon limits from Vents 2A & 2B and Vents 3A and 3B at the H2U on 6/26/13. Valero submitted a response letter by 2/3/23.

Corrective actions or preventative steps taken: On January 26, 2023, Valero Benicia Refinery received an NOV (60588) from the BAAQMD. The NOV was issued for exceeding the 15 lb/day and 300 ppm total carbon limits from Vents 2A & 2B and Vents 3A and 3B at the H2U on 6/26/13. Valero submitted a response letter by 2/3/23.

Episode ID #:

NOV: 60588

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

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

Title V deviations for the reporting period are summarized below:

Event Start: 1/30/2023 12:00 PM Stopper: 1/30/2023 4:00 PM Ongoing Event

Source Number: <u>S37-Waste Heat Boiler, SG-702</u>	Abatement Device: <u> </u>
Emission Point: <u> </u>	

May have resulted in a violation of:

Permit: <u>16386 Part 1</u>	AQMD: <u> </u>
Other: <u> </u>	

1231 Event Description: There was an exceedance of the three hour rolling NOx concentration limit from 1:00 pm to 4:00 pm. The average concentration for the duration of the indicated excess was 10.4 ppm.

Probable Cause: Analyzer saturation issue

Corrective actions or preventative steps taken: Confirmation of stable operation of fuel combustion and steam production; replacement of CEMS ammonia filter.

Episode ID #: 08Q48

NOV:

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

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

Title V deviations for the reporting period are summarized below:

Event Start: 1/1/2023 12:00 AM Stopper: 1/1/2023 12:00 AM Ongoing Event

Source Number:	S5-FCCU Regenerator, R-702
Abatement Device:	A1047-Flue Gas Scrubber (Belco & Cansolv)
Emission Point:	P1059-FGS Stack ST-5601

May have resulted in a violation of:

Permit:	24245.14, Standard Condition F
AQMD:	
Other:	§60.105(a)(12)(ii)

1232 Event Description: A Cylinder Gas Audit was not performed for the Flue Gas Scrubber CEMS in Q4 of 2022. This incident was not reported within 10 days of the end of the quarter.

Probable Cause: I&E and Environmental did not have an independent verification system to confirm if a CGA was needed and scheduled.

Corrective actions or preventative steps taken: A CGA was completed on 2/2/23. An independent verification system for analyzers that require quarterly audits is being developed that will check the schedule to verify planning and completion of CGAs each quarter.

Episode ID #:

NOV: 60590

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

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

Title V deviations for the reporting period are summarized below:

Event Start: 2/2/2023 2:00 AM Stopper: 2/17/2023 5:00 AM Ongoing Event

May have resulted in a violation of:

Source Number: <u>S21-Hydrogen Reformer Furnace, F-301</u>	Permit: <u>10574 Part 31</u>
Abatement Device: <u></u>	AQMD: <u></u>
Emission Point: <u>P30/P31-F-301 West/East Stack, P-30/P-31</u>	Other: <u></u>

1234 Event Description: AMENDMENT 3/28/23: The F-301 rolling 24-hour Nox limit of 60 ppm was exceeded at 02:00 on 2/2/2023 and returned to compliance at 05:00 on 2/17/2023. The average concentration during the excess was 79 ppm.
AMENDMENT: The F-301 rolling 24-hour Nox limit of 60 ppm was exceeded at 02:00 on 2/2/2023 and returned to compliance at 05:00 on 2/17/2023.

The F-301 rolling 24-hour Nox limit of 60 ppm was exceeded at 02:00 on 2/2/2023 and is ongoing.

Probable Cause: Curtailed operations

Corrective actions or preventative steps taken: Unit was returned to normal operation.

Episode ID #:

NOV:

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

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

Title V deviations for the reporting period are summarized below:

Event Start: 4/20/2023 9:00 AM Stopper: 4/20/2023 3:00 PM Ongoing Event

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

May have resulted in a violation of:

Permit:	19177.19b, 19177.19a
AQMD:	
Other:	

1253 Event Description: On 4/20/23, the GT-4901/SG-4901 NOx analyzer indicated an excess. The following indicated excess is being filed in an abundance of caution. The NOx 3hr average (ppm) was exceeded between 09:00 - 15:00 on 4/20/23. The NOx 3hr average (lb/hr) limit was exceeded between 09:00 - 13:00 on 4/20/23.

Probable Cause: NOx Analyzer Communication Issue.

Corrective actions or preventative steps taken: NOx Analyzer wire ribbons were adjusted.

Episode ID #: 08S43;08S43

NOV:

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

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

Title V deviations for the reporting period are summarized below:

Event Start: <u>2/14/2023 12:00 AM</u> Stopper: <u>2/14/2023 1:47 PM</u> <input type="checkbox"/> Ongoing Event

Source Number: <u>S8-Coke Silos Primary Scrubber, CYC-1901</u>
Abatement Device: <u></u>
Emission Point: <u></u>

May have resulted in a violation of:

Permit: <u>Condition 21233, Part 7</u>
AQMD: <u>9-10-502.1</u>
Other: <u></u>

1238 Event Description: Source test report for S-8 was turned in 61 days after the source test was performed. Regulation 9-10-502.1 requires source tests to be turned in within 60 days of the source test.

Probable Cause: Employee missed the due date.

Corrective actions or preventative steps taken: Source test report was submitted.

Episode ID #:

NOV:

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

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

Title V deviations for the reporting period are summarized below:

Event Start: 2/17/2023 9:49 PM Stopper: 2/17/2023 10:33 PM Ongoing Event

Source Number:	S1010-Hydrogen Production Facilities; S1004-Catalytic Reformer (Powerformer)
Abatement Device:	
Emission Point:	P1010-ST-302

May have resulted in a violation of:

Permit:	27609 Part 1
AQMD:	Reg. 8-2-301
Other:	

1239 Event Description: On 2/17/23, P017 valve opened intermittently from 9:49 pm - 10:33 pm and approximately 305 lbs of total carbon was released from vent P1010 (ST-302) to atmosphere. A project has been underway to address releases from this vent during startup, shutdown and process upsets.

Probable Cause: 1900# hydrogen grid experienced grid instability while lining up H2UA train to production header in preparation for HCU startup.

Corrective actions or preventative steps taken: Moves were made quickly to utilize #4 vents and cut rates as needed to stabilize Hydrogen grid pressure.

Episode ID #: E-08Q93

NOV: 62194

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

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

Title V deviations for the reporting period are summarized below:

Event Start: 2/23/2023 3:19 PM Stopper: 2/23/2023 3:19 PM Ongoing Event

Source Number:	
Abatement Device:	
Emission Point:	P3-North Flare Emission Point, P-3; P2-South Flare Emission Point, P-2

May have resulted in a violation of:

Permit:	
AQMD:	
Other:	40 CFR 60.103a(h)

1240 Event Description: AMENDMENT 3/27/23: On February 23, 2023, Valero Benicia Refinery received an NOV (60592) from the BAAQMD. The NOV was issued for exceeding the 3-hr 162 ppm H2S limit from the North and South Flare on August 21, 2020. Valero submitted a response letter on March 3rd, 2023.

On February 23, 2023, Valero Benicia Refinery received an NOV (60592) from the BAAQMD. The NOV was issued for exceeding the 3-hr 162 ppm H2S limit from the North and South Flare on August 21, 2020. Valero will submit a response letter within 10 days.

Probable Cause: Flaring was due to an unplanned shutdown of the HCU and subsequent startup of the unit.

Corrective actions or preventative steps taken: Units was normalized and flaring stopped.

Episode ID #:

NOV: 60592

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

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

Title V deviations for the reporting period are summarized below:

Event Start: 2/23/2023 3:19 PM Stopper: 2/23/2023 3:19 PM Ongoing Event

Source Number:	
Abatement Device:	
Emission Point:	P4-Acid Gas Flare Emission Point, P-4

May have resulted in a violation of:

Permit:	
AQMD:	
Other:	40 CFR 60.103a(h)

1241 Event Description: AMENDMENT 3/27/23: On February 23, 2023, Valero Benicia Refinery received an NOV (60593) from the BAAQMD. The NOV was issued for exceeding the 3-hr 162 ppm H2S limit on 12/5/2020 from the Acid Gas Flare. Valero submitted a response letter on March 3rd, 2023.

On February 23, 2023, Valero Benicia Refinery received an NOV (60593) from the BAAQMD. The NOV was issued for exceeding the 3-hr 162 ppm H2S limit on 12/5/2020 from the Acid Gas Flare. Valero will submit a response letter.

Probable Cause: Flaring from the Acid Gas Flare occurred due to Tail Gas Unit B and subsequent SRU-A trip offline.

Corrective actions or preventative steps taken: Operations were normalized and flaring stopped.

Episode ID #:

NOV: 60593

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

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

Title V deviations for the reporting period are summarized below:

Event Start: 5/20/2023 1:00 PM Stopper: 5/20/2023 2:00 PM 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:	

1257 Event Description: An upset occurred at GT-4901 (S-1030) resulting in the exceedance of the 3-hour CO concentration (at 15% O2) limit at 1 pm on 5/20/2023.

Probable Cause: Compressor (C-4901) tripped and the motor locked out.

Corrective actions or preventative steps taken: Compressor was restarted after the thirty minute lockout and GT-4901 was normalized.

Episode ID #: 08S82

NOV:

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

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

Title V deviations for the reporting period are summarized below:

Event Start: 4/30/2023 7:16 AM Stopper: 5/1/2023 10:00 AM Ongoing Event

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

May have resulted in a violation of:

Permit:	
AQMD:	1-522.4
Other:	

1258 Event Description: Cogen NOX failed calibration on 4/30/23 and 5/1/23. Analyzer became inoperative for NOX on 4/30/23 at 7:16 am. The analyzer was recalibrated and passed on 5/1/23 @ 10:00 am. The inoperative monitor occurrence was discovered on 5/26/23 during a records review and is being reported beyond the following business day after a period of inoperation greater than 24 continuous hours.

Probable Cause: Calibration drift and incorrect NOX concentration entered in daily calibration system.

Corrective actions or preventative steps taken: Re-calibrated and Updated the PLC to read correct calibration value.

Episode ID #: 08S86

NOV: 62190

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

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

Title V deviations for the reporting period are summarized below:

Event Start: <u>6/3/2023 12:20 PM</u> Stopper: <u>6/3/2023 1:05 PM</u> <input type="checkbox"/> Ongoing Event

Source Number: <u>S1010-Hydrogen Production Facilities</u>
Abatement Device: <u> </u>
Emission Point: <u>P1010-ST-302</u>

May have resulted in a violation of:

Permit: <u>27609 Part 1</u>
AQMD: <u>Reg 8-2-301</u>
Other: <u> </u>

1260 Event Description: On 6/3/23, P017 valve opened from 12:20 pm - 1:05 pm and approximately 119 lbs of total carbon was released from vent P1010 (ST-302) to atmosphere. A project has been underway to address releases from this vent during startup, shutdown and process upsets.

Probable Cause: 1900# hydrogen grid experienced grid instability due to change in hydrogen demand by hydrogen consumer.

Corrective actions or preventative steps taken: Hydrogen Grid pressure was stabilized.

Episode ID #: 08S97

NOV:

BAAQMD Title V Permit
30 Day Deviation Summary Report

From 1/1/2023 to 6/30/2023

B2626

Valero Benicia Refinery

Facility Address:

3400 East Second Street
Benicia, CA 945101097

Mailing Address:

3400 East Second Street
Benicia, CA 945101097

Contact: Taryn Wier

Title: Manager - Environmental Engineering

Phone: (707) 745-7475

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

7/20/23

Date

BAAQMD Title V Permit 6 Month Monitoring Report

From 1/1/2023 to 6/30/2023

B2626 Valero Benicia Refinery

Facility Address:

3400 East Second Street
Benicia, CA 945101097

Contact: Taryn Wier

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:	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.
<p>Ref: 1249 Event Started: <u>4/16/2023 7:16 AM</u> Stopped: <u>4/17/2023 7:16 AM</u> <input checked="" type="checkbox"/> Has Stopped</p> <p>Source Number: <u>S1031-Heat Recovery Steam Generator, SG-4901</u></p> <p>Abatement Device: _____</p> <p>Emission Point: _____</p>	<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"/>
<p>Event Description: CO failed daily calibration on 4/15/23 and 4/16/23. Analyzer became inoperative for CO on 4/16/23 @7:16 AM. Analyzer was re-calibrated and passed validation on 4/17/23 at 7:16 AM.</p>																							
<p>Ref: 1255 Event Started: <u>5/2/2023 3:14 AM</u> Stopped: <u>5/3/2023 11:48 AM</u> <input checked="" type="checkbox"/> Has Stopped</p> <p>Source Number: <u>S19-North Flare, ST-2103</u></p> <p>Abatement Device: _____</p> <p>Emission Point: _____</p>	<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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Event Description: Ammendment 6/14/23: Analyzer became inoperative on 5/1/23.</p> <p>North Flare Total Sulfur failed calibration on 5/1/23 and 5/2/23. Analyzer became inoperative for Total Sulfur on 5/2/23 @3:14 am. Repairs were made to the analyzer and recalibrated and passed on 5/3/22 @11:48 am.</p>																							
<p>Ref: 1256 Event Started: <u>5/14/2023 7:16 AM</u> Stopped: <u>5/15/2023 2:40 PM</u> <input checked="" type="checkbox"/> Has Stopped</p> <p>Source Number: <u>S1031-Heat Recovery Steam Generator, SG-4901</u></p> <p>Abatement Device: _____</p> <p>Emission Point: _____</p>	<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"/>
<p>Event Description: Cogen CO failed calibration on 5/14/23 and 5/15/23. Analyzer became inop on 5/14/23 at 7:16 AM. Analyzer was re-calibrated and passed validation on 5/15 at 2:40 PM.</p>																							
<p>Ref: 1258 Event Started: <u>4/30/2023 7:16 AM</u> Stopped: <u>5/1/2023 10:00 AM</u> <input checked="" type="checkbox"/> Has Stopped</p> <p>Source Number: <u>S1030-Combustion Turbine Generator, GT-4901; S1031-Heat Recovery Steam Generator, SG-4901</u></p> <p>Abatement Device: _____</p> <p>Emission Point: _____</p>	<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"/>
<p>Event Description: Cogen NOX failed calibration on 4/30/23 and 5/1/23. Analyzer became inoperative for NOX on 4/30/23 at 7:16 am. The analyzer was recalibrated and passed on 5/1/23o @ 10:00 am. The inoperative monitor occurrence was discovered on 5/26/23 during a records review and is being reported beyond the following business day after a period of inoperation greater than 24 continuous hours.</p>																							

BAAQMD Title V Permit 6 Month Monitoring Report

From 1/1/2023 to 6/30/2023

B2626 Valero Benicia Refinery

Facility Address:

3400 East Second Street
Benicia, CA 945101097

Contact: Taryn Wier

Mailing Address:

3400 East Second Street
Benicia, CA 945101097

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.
<p>Ref: 1259 Event Started: <u>5/27/2023 10:42 PM</u> Stopped: <u>5/31/2023 4:49 PM</u> <input checked="" type="checkbox"/> Has Stopped</p> <p>Source Number: S23-Gas Oil Hydrocracking, F-401</p> <p>Abatement Device:</p> <p>Emission Point: P34-F-401 Stack, P-34</p>	<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: F-401 NOX became inoperative for NOX on 5/27/23 @ 10:42 PM. Analyzer repair was completed 5/31/23 at 4:49PM																							
<p>Ref: 1261 Event Started: <u>6/3/2023 6:30 AM</u> Stopped: <u>6/6/2023 6:30 AM</u> <input checked="" type="checkbox"/> Has Stopped</p> <p>Source Number: S1031-Heat Recovery Steam Generator, SG-4901; S1030-Combustion Turbine Generator, GT-4901</p> <p>Abatement Device:</p> <p>Emission Point: P60-Cogen Stack GT/SG-4901</p>	<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"/>
Event Description: Cogen SG/GT-4901 became inoperative for H2S, and TRS on 6/3/2023 6:30 AM. Validations were done and passed but printouts misprinted the wrong date.																							
<p>Ref: 1262 Event Started: <u>6/5/2023 11:30 AM</u> Stopped: <u>6/14/2023 9:15 AM</u> <input checked="" type="checkbox"/> Has Stopped</p> <p>Source Number:</p> <p>Abatement Device: A56-Tail Gas Cleanup Unit on SGU A/B Trains (Flexsorb Section)</p> <p>Emission Point:</p>	<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"/>
Event Description: Addendum 6/14/23: The RATA was completed 6/14/2023 at 9:15 AM, recertifying the CEMS. The Flexsorb CEMS sample probe has been located in the wrong port. On 6/5/2023, following BAAQMD instruction, the probe was moved to the correct port. The Flexsorb CEMS is pending a recertification by RATA due to the probe relocation that occurred on 6/5/2023 at 11:30 am.																							
<p>Ref: 1263 Event Started: <u>6/19/2023 7:16 AM</u> Stopped: <u>6/20/2023 3:11 PM</u> <input checked="" type="checkbox"/> Has Stopped</p> <p>Source Number: S30-Process Furnace, PFR Preheat, F-2901</p> <p>Abatement Device:</p> <p>Emission Point: P28-SG-2901 Stack, P-28</p>	<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"/>
Event Description: F-2901 became inoperative for NOX and O2 on 6/19/23 at 7:16 AM. A period of greater than 24 hours of inop occurred on 6/20/23 at 7:17 AM. Passing Calibration on 6/20/23 at 15:11 stopped the period of inop.																							

BAAQMD Title V Permit
6 Month Monitoring Report

From 1/1/2023 to 6/30/2023

B2626	Valero Benicia Refinery
Facility Address: 3400 East Second Street Benicia, CA 945101097	Mailing Address: 3400 East Second Street Benicia, CA 945101097
Contact: Taryn Wier	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.

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 7/20/23
Signature of Responsible Official Print Name Title Date

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

A0901 Valero Benicia Asphalt Plant

Facility Address:

3001 Park Road
Benicia, CA 94510

Mailing Address:

3001 Park Road
Benicia, CA 94510

Contact: Taryn Wier

Title: Manager - Environmental Engineering

Phone: (707) 745-7475

Title V deviations for the reporting period are summarized below:

Event Start: 4/19/2023 10:30 AM Stopper: 4/19/2023 2:30 PM Ongoing Event

Source Number: S19-Vacuum Heater H-1 (natural gas, Asphalt Plant fuel gas)

Abatement Device:

Emission Point:

May have resulted in a violation of:

Permit:

AQMD: 8-18.301

Other:

1250 Event Description: Equipment was found to be leaking >100 ppm total organic compounds during BAAQMD inspection on 4/19/23. The leaking equipment was immediately blocked in and isolated. On April 20, 2023, Valero Benicia Refinery received NOV (62185) from the BAAQMD. The NOV was issued for total organic compound leak greater than 100 ppm from flexible fuel line.

Probable Cause: Normal wear

Corrective actions or preventative steps taken: Lines have been replaced on Burner #2 and #4

Episode ID #:

NOV: 62185

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

A0901 Valero Benicia Asphalt Plant

Facility Address:

3001 Park Road
Benicia, CA 94510

Mailing Address:

3001 Park Road
Benicia, CA 94510

Contact: Taryn Wier

Title: Manager - Environmental Engineering

Phone: (707) 745-7475

Title V deviations for the reporting period are summarized below:

Event Start: 4/19/2023 10:00 AM Stopper: 4/19/2023 2:00 PM Ongoing Event

Source Number: S20-Steam Boiler H-2 A (natural gas)

Abatement Device:

Emission Point:

May have resulted in a violation of:

Permit:

AQMD: 8-18.309.3

Other:

1252 Event Description: An open ended line was found at H-4602A. Vent was leaking greater than 100 PPM during BAAQMD inspection on 4/19/23. On April 20, 2023, Valero Benicia Refinery received NOV (62186) from the BAAQMD. The NOV was issued for total organic compound leak greater than 100 ppm from a open ended line.

Probable Cause: Solenoid valve was not in the closed position causing a VOC reading greater than 100 ppm at the vent outlet.

Corrective actions or preventative steps taken: Solenoid valve was replaced.

Episode ID #:

NOV: 62186

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

A0901 Valero Benicia Asphalt Plant

Facility Address:

3001 Park Road
Benicia, CA 94510

Mailing Address:

3001 Park Road
Benicia, CA 94510

Contact: Taryn Wier

Title: Manager - Environmental Engineering

Phone: (707) 745-7475

Title V deviations for the reporting period are summarized below:

Event Start: 2/13/2023 12:00 AM Stopper: 2/14/2023 1:47 PM Ongoing Event

Source Number: S20-Steam Boiler H-2 A (natural gas); S21-Steam Boiler H-2 B (natural gas)

Abatement Device:

Emission Point:

May have resulted in a violation of:

Permit: Condition 24198, Part 7

AQMD: 9-10-502.1

Other:

1237 Event Description: Source Test Report for S-20 21 was turned in 62 days after the source test was performed. Regulation 9-10-502.1 requires source tests be turned in within 60 days of the source test.

Probable Cause: Employee missed the due date.

Corrective actions or preventative steps taken: Source test was submitted.

Episode ID #:

NOV:

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

A0901 Valero Benicia Asphalt Plant

Facility Address:

3001 Park Road
Benicia, CA 94510

Mailing Address:

3001 Park Road
Benicia, CA 94510

Contact: Taryn Wier

Title: Manager - Environmental Engineering

Phone: (707) 745-7475

Title V deviations for the reporting period are summarized below:

Event Start: 4/26/2023 10:15 AM Stopper: 4/27/2023 9:33 AM Ongoing Event

Source Number: S34-Tank Heater, H-5 (natural gas)

Abatement Device:

Emission Point:

May have resulted in a violation of:

Permit:

AQMD: 8-18.309.3

Other:

1254 Event Description: An open ended line was found at H-4605. Vent was leaking greater than 100 PPM during BAAQMD inspection on 4/26/23. On April 27, 2023, Valero Benicia Refinery received NOV (62187) from the BAAQMD. The NOV was issued for total organic compound leak greater than 100 ppm from a open ended line.

Probable Cause: solenoid valve was not in the closed position causing a VOC reading greater than 100 ppm at the vent outlet .

Corrective actions or preventative steps taken: Solenoid valve were replaced.

Episode ID #:

NOV: 62187

BAAQMD Title V Permit
6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

A0901

Valero Benicia Asphalt Plant

Facility Address:

3001 Park Road
Benicia, CA 94510

Mailing Address:

3001 Park Road
Benicia, CA 94510

Contact: Taryn Wier

Title: Manager - Environmental Engineering

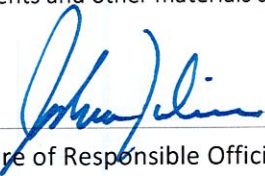
Phone: (707) 745-7475

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

7/20/23

Date

BAAQMD Title V Permit
6 Month Monitoring Report

From 1/1/2023 to 6/30/2023

A0901

Valero Benicia Asphalt Plant

Facility Address:

3001 Park Road
Benicia, CA 94510

Mailing Address:

3001 Park Road
Benicia, CA 94510

Contact: Taryn Wier

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

7/20/23

Date

Tuesday, July 18, 2023

BAAQMD Title V Permit 6 Month Deviation Summary Report

From 1/1/2023 to 6/30/2023

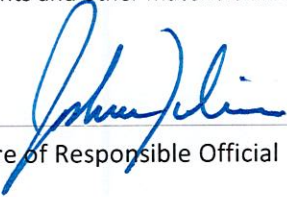
B5574	Nustar Logistics	
Facility Address:		Mailing Address:
3400 East Second Street Benicia, CA 94510		3400 East Second Street Benicia, CA 945101097
Contact: Taryn Wier	Title: Manager - Environmental Engineering	Phone: (707) 745-7475

Title V deviations for the reporting period are summarized below:

No deviation 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		Joshua Tulino	Vice President and General Manager	7/20/23
	Signature of Responsible Official	Print Name	Title	Date

BAAQMD Title V Permit
6 Month Monitoring Report

From 1/1/2023 to 6/30/2023

B5574

Nustar Logistics

Facility Address:

3400 East Second Street
Benicia, CA 94510

Contact: Taryn Wier

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

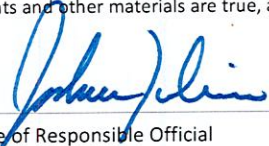
No Inoperable Monitors for this time period.

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

Date

7/20/23

Tuesday, July 18, 2023