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Submitted Electronically

February 29, 2024

Valero Cogeneration Project 2023 CEC Annual Compliance Report Docket No. 01-AFC-05

Mr. Anwar Ali Compliance Project Manager Valero Cogeneration Project (01-AFC-05) California Energy Commission 1516 Ninth Street (MS-2000) Sacramento, California 95814

Dear Mr. Ali:

Enclosed is a copy of the Annual Compliance Report for the calendar year 2023 for the Valero Cogeneration Project, as required by the General Conditions of the CEC's Commission Decision. Along with the compliance status information required by the CEC's General Conditions, documents are included in Section 3 of this report to comply with the following specific conditions:

- AQ-56 Cooling Tower TDS Content
- HAZ-1 List of Hazardous Materials Contained at Cogeneration Unit
- WASTE-2 Waste Management Methods
- WQ-2 Annual Monitoring Report to RWQCB
- WR-1 Annual Water Use Summary

Please contact Mr. Michael Thetford at (707) 745-7204 should you have questions regarding this information.

Sincerely,

Taryn Goodwin

Manager - Environmental Engineering

Tryn Goodwin

TWG/MWT

Enclosure

Document # 27874



2023 ANNUAL COMPLIANCE REPORT FOR

THE CALIFORNIA ENERGY COMMISSION

2023 ANNUAL COMPLIANCE REPORT

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VALERO COGENERATION PROJECT 2023 ANNUAL COMPLIANCE REPORT

Section 1: Updated Compliance Matrix (Open Conditions)

2023 Annual Compliance Report

Valero Cogeneration Project Conditions of Certification

Item No.	Condition No.	Requirement	Timing	No. of Days Prior	Status
2	<u>AQ-2</u>	SO ₂ emissions offsets quarterly report	End of each quarter	Within 30 days after	Ongoing
13	<u>AQ-13</u>	Fire only refinery fuel or natural gas in gas turbines and HRSG duct burners	On-going		Ongoing
14	<u>AQ-14</u>	Combined heat input rate to the power train limited to 810 MM Btu per hour, averaged over any 3-hr period	On-going		Ongoing
15	<u>AQ-15</u>	Combined heat input rate to the power train limited to 19,440 MM Btu per calendar day	On-going		Ongoing
16	<u>AQ-16</u>	Combined cumulative heat input rate for each power train limited to 6,351,000 MM Btu per year	On-going		Ongoing
17	<u>AQ-17</u>	Properly operate and maintain SCR and CO Oxidation Catalyst abatement systems	On-going		Ongoing
18	<u>AQ-18</u>	Gas turbines and HRSGs shall comply with criteria pollutant emission limits when firing natural gas exclusively	On-going		Ongoing
19	<u>AQ-19</u>	Gas turbines and HRSGs shall comply with criteria pollutant emission limits under all operating scenarios	On-going		Ongoing
20	<u>AQ-20</u>	Sulfuric acid emissions limited to less than 7 tons in any consecutive 4 quarters	On-going		Ongoing
22	<u>AQ-22</u>	Total power train criteria pollutant emissions annual limits and annual report	On-going		Ongoing
23	<u>AQ-23</u>	Calculate and record criteria pollutant emissions on a daily basis	On-going		Ongoing
24	<u>AQ-24</u>	Notify District's Source Test Section prior to conducting any tests	Prior to source test	7	Ongoing
25	<u>AQ-25</u>	Submit monitoring reports in accordance with District procedures and time limits	On-going		Ongoing
26	<u>AQ-26</u>	Maintain records on site at least 5 years	On-going		Ongoing

2023 Annual Compliance Report

Valero Cogeneration Project Conditions of Certification

Item No.	Condition No.	Requirement	Timing	No. of Days Prior	Status
27	<u>AQ-27</u>	Notify District of any violations of permit conditions per Title V	On-going		Ongoing
31	<u>AQ-31</u>	Start up period for gas turbines no longer than 256 min or achieve 1 hr in compliance	Start Up mode		Ongoing
34	<u>AQ-34</u>	Comply with Acid Rain program CEM requirements	On-going		Ongoing
36	<u>AQ-36</u>	Report H2S/TRS content of refinery fuel gas	End of each quarter	Within 60 days after	Ongoing
38	<u>AQ-38</u>	Install/maintain CEM and recorder for NOX, CO and O2	On-going		Ongoing
39	<u>AQ-39</u>	POC and PM10 quarterly source testing	Annual		Ongoing
40	<u>AQ-40</u>	SAM, SO2, SO3, ammonium sulfates quarterly source testing	Quarterly		Ongoing
42	<u>AQ-42</u>	Inspect HC valves per Reg 8-18	Quarterly		Ongoing
43	<u>AQ-43</u>	Equip connectors with graphitic-based gaskets and inspect per Reg 8-18	Quarterly		Ongoing
44	<u>AQ-44</u>	Equip HC centrifugal compressors with dual mechanical seals and inspect per Reg 8-18	Quarterly		Ongoing
54	<u>AQ-56</u>	Measured TDS content of cooling tower circulating water	Monthly, Annual; Annual Compl. Report		Ongoing
80	<u>HAZ-1</u>	List of Haz Materials in reportable quantities	Annual Compl. Report	_	Ongoing
85	NOISE-2	Noise Complaint Records	On-going	_	Ongoing
116	WASTE-1	Notify CPM of any enforcement action by any local, state or federal agency	As needed	_	Ongoing
123	WATER QUALITY-2	Notify CPM of any changes to NPDES permit, submit annual monitoring report	Receipt of NPDES permit, annual reporting; Annual Compl. Report	30 (after)	Ongoing
131	WATER RES-1	Water use metering, annual report	Annual Compl. Report		Ongoing

VALERO COGENERATION PROJECT 2023 ANNUAL COMPLIANCE REPORT

Section 2: Summary of Current Cogeneration Unit Operating Status

2023 ANNUAL COMPLIANCE REPORT

Section 2: Cogeneration Unit Operating Status

The Cogen Unit GT-4901 availability for 2023 was 80.19% including all unplanned and planned maintenance down times (total of 1736 shutdown hours). Planned maintenance:

- Routine preventative maintenance were performed (filters, instrument calibrations, etc.)
 - Removed site engine for combustion inspection
 - Balanced generator rotor
- Unplanned outages for the year included:
 - Lease engine replaced with a second lease engine due to an oil leak
 - Flame out trips requiring replacement of the fuel shut off valve
 - Fuel gas driver faults
 - NOx water distribution block leaks
 - Generator oil level trip (loose wire)
 - Flying takeover boiler valve maintenance

Major work:

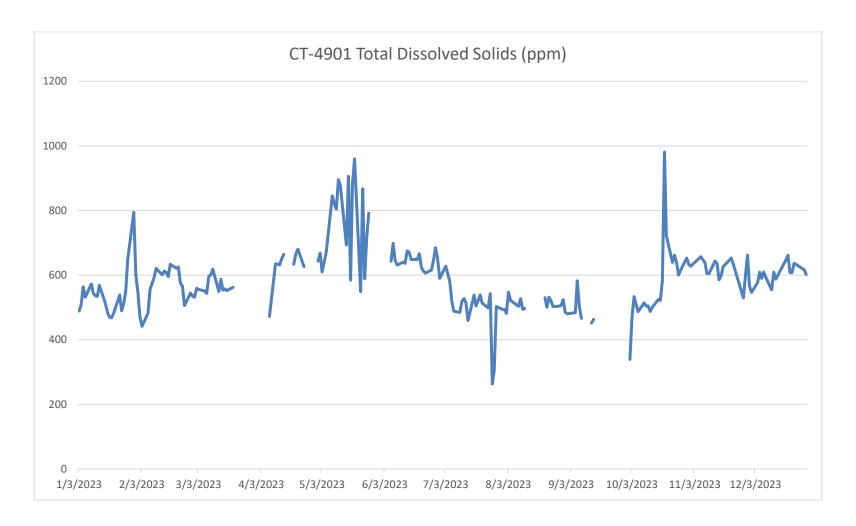
- March Outage Scheduled combustion inspection. Installed lease engine (SN 185-169, mfg. 1994). Changed air filters, fire system inspection, and inspected package ventilation fans.
- May Outage Unplanned outage to install a second lease engine (SN 191-138, mfg. 1998) as the first lease engine developed an oil leak and the Valero Engine (SN 191-353) combustion inspection was not yet complete. Annual Instrument Calibration preventative maintenance was also completed during this event.

VALERO COGENERATION PROJECT 2023 ANNUAL COMPLIANCE REPORT

Section 3: Documents Required by Specific Conditions

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AQ-56 Cooling Tower TDS Content



^{*} Please note breaks in data were due to Cogen downtime.

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Compliance with monthly and annual TDS average limits

Month	Monthly Average (ppm)
Jan	543
Feb	565
March	566
April	629
May	751
June	644
July	497
August	510
September	490
October	574
November	618
December	604

Annual Average = 583 ppm

AQ-56: The measured total dissolved solids (TDS) content of the circulating cooling water shall not exceed 1500 ppm TDS for any monthly average, or 1080 ppm TDS annual average, with a municipal water supply as cooling tower make-up. The use of alternative water supplies will require evaluation of new TDS limits for the cooling tower.

<u>Verification:</u> The project owner shall maintain appropriate measurement data records, and submit the monthly and annual average TDS of the cooling tower circulating water.

VALERO COGENERATION PROJECT 2023 ANNUAL COMPLIANCE REPORT

HAZ-1 Hazardous Materials Contained at Cogeneration Unit

RS Business/Org.	Valero			Chemical Loca	ntion			CERS ID 1013	2161			
				C5 COGEN						_		
	Valero Benicia Refinery			C5 COGEN	•			Facility ID 48-00				
	3400 E 2nd Street, Benicia 94510							Status Submitted on 2/28/2024 12:0 Hazardous Components				
				Quantities		Annual Waste	Federal Hazard	Hazardou (For mi	ts			
T Code/Fire Haz. Cl	ass Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Amount	Categories	Component Name	% Wt	EHS CAS No.		
	EL-1515 VISCOSITY GRADE 10 T	O Pounds	1950	487	1950		- Physical	POLYALKYLENE GLYCOL MIXTU	RE 95%	9038-95-3		
	680	State	Storage Container		Pressue	Waste Code		PROPRIETARY ADDITIVES	5%			
	CAS No	Liquid	Steel Drum		Ambient		- Health Acute					
	CASINO	Type			Temperature		Toxicity - Health Skin					
		Mixture	Days on Site: 365		Ambient		Corrosion					
							Irritation					
	EMERACATM ADCAT CO CATAL	YS T Pounds	4800	4800	4800		- Health	ALUMINUM OXIDE		1344-28-1		
	CAS No	State	Storage Container		Pressue	Waste Code		PLATINUM		7440-06-4		
	1344-28-1	Solid	Other		Ambient		- Health Acute					
		Type			Temperature		Toxicity - Health Skin					
		Mixture	Days on Site: 365		> Ambient		Corrosion					
							Irritation					
							- Health					
							Respiratory Skin					
							Sensitization					
							- Health Serious					
							Eye Damage Eye Irritation					
							- Health Specific					
							Target Organ					
							Toxicity					
	FYREWASH F1	Pounds	3200	400	1600		- Health	NON IONIC SURFACTANT	25%			
	Class III CAS No	State	Storage Container		Pressue	Waste Code		PETROLEUM DISTILLATES	50%	64742-47-8		
mbustible Liquid,	, Class II	Liquid	Steel Drum		Ambient		- Health Acute Toxicity	HEAVY AROMATIC NAPHTHA	25%	64742-94-5		
		Type			Temperature		- Health Skin	2-BUTOXYEHTHOXY ETHANOL	25%	112-34-5		
		Mixture	Days on Site: 365		Ambient		Corrosion					
							Irritation					
							- Health Specific					
							Target Organ					
	ION EVOLUNIOS DECIDIVOS O CO	4. De:::: 1	740	740	740		- Health Acute	WATER	60%	7732-18-5		
	ION EXCHANGE RESIN USF C-21			710	710	Waste Code	T. 1.0	SULFONATED COPOLYMER OF	70%	69011-22-9		
	CAS No	State Solid	Storage Container Other		Pressue Ambient	waste code	- Health Skin	STYRENE	, 0,3			
		Туре	Other		Temperature		Corrosion					
			Days on Site: 365		Ambient		Irritation					
			24,3 0.1 31.0. 303				- Health Serious					
							Eye Damage Eye					
							Irritation					
							114414 0 20					
							- Health Specific Target Organ					

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			Hazardo	ous Materials A	And Waste	s Inventor	y Matrix I	Report			
CERS Business/Org. Facility Name		nicia Refinery treet, Benicia 94510			Chemical Loca	CERS ID 10133161 Facility ID 48-000-020015 Status Submitted on 2/28/2024 12:05 PM					
					Quantities		Annual Waste	Federal Hazard		Componen ture only)	ts
DOT Code/Fire Haz. (Class	MOBIL DTE 25 CAS No	Liquid Type	Max. Daily 8 800 Storage Container Steel Drum Days on Site: 365	400	Avg. Daily 400 Pressue Ambient Temperature Ambient	Amount Waste Code	Categories - Health Acute Toxicity	Component Name NON HAZARDOUS PROPRIETAR MIXTURE	% Wt	EHS CAS No.
DOT: 9. Corrections		MOBIL JET OIL II CAS No	Туре	Storage Container Aboveground Tank Other Days on Site: 365	1250 k, Steel Drum,	2490 Pressue Ambient Temperature Ambient	Waste Code	- Health Acute Toxicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	TRICRESYL PHOSPHATE 1-NAPHTHYLAMINE, N-PHENYL	5% 5%	1330-78-5 90-30-2
DOT: 8 - Corrosive: Solids)	s (Liquids and	Nalco 3DTrasar 3DT230 CAS No 7664-93-9 EHS	Liquid Type	Storage Container Tote Bin Days on Site: 365	506	423 Pressue Ambient Temperature Ambient	Waste Code	- Physical Gas Under Pressure	Sulfuric Acid Phosphoric Acid Benzotriazole	5% 5% 5%	√ 7664-93-9 7664-38-2 95-14-7

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CERS Business/Org.		nicia Refinery treet, Benicia 94510			Chemical Loca					10133161 48-000-020015 Submitted on 2/28	
	3400 L 2110 31	reet, berneid 54510			Quantities		Annual Waste	Federal Hazard		lazardous Component: (For mixture only)	•
DOT Code/Fire Haz. Cl DOT: 8 - Corrosives Solids) Combustible Liquid	(Liquids and	Common Name NALCO H-550 CAS No 111-30-8	Liquid Type	Max. Daily 2400 Storage Container Tote Bin Days on Site: 365	Quantities Largest Cont. 2400	Avg. Daily 1800 Pressue Ambient Temperature > Ambient	Waste Code	Federal Hazard Categories - Physical Corrosive To Metal - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard	Component Name GLUTARALDEHYDE	(For mixture only) % Wt 60%	EHS CAS No. 111-30-8
		NALCO STABREX ST70 CAS No	Туре	Storage Container Tote Bin Days on Site: 365	850	489 Pressue Ambient Temperature Ambient	Waste Code	- Health Germ Cell Mutagenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation	SODIUM HYDROXIDE	5%	1310-73-2
OT: 8 - Corrosives olids)	(Liquids and	Nalco Trasar Trac 104 CAS No 7631-95-0	Туре	35 Storage Container Plastic/Non-metali Days on Site: 365	35 ic Drum	35 Pressue Temperature		- Health Acute Toxicity - Health Skin Corrosion Irritation	Sodium Molybdate	5%	7631-95-0
OT: 8 - Corrosives olids)	s (Liquids and	NALCO Trasar Trac 104 CAS No 7631-95-0	Liquid Type	570 Storage Container Plastic/Non-metali Days on Site: 365	50 ic Drum	570 Pressue Temperature	Waste Code	- Health Acute Toxicity	Sodium Molybdate	7%	7631-95-0

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			Hazardou	ıs Materials A	And Waste	s Inventory	Matrix	Report			
ERS Business/Org. acility Name	Valero Be	enicia Refinery			Chemical Loca				Facility ID	10133161 48-000-020015	
	3400 E 2nd	Street, Benicia 94510			Quantities		Annual Waste	Federal Hazard	Status H	Submitted on 2/28 lazardous Components (For mixture only)	•
OT Code/Fire Haz.	Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Amount	Categories	Component Name	% Wt	EHS CAS No.
		NATURAL GAS CAS No	Gas S Type	297 torage Container teel Drum, Other Days on Site: 365	3240	297 Pressue > Ambient Temperature > Ambient	Waste Code	- Physical Gas Under Pressure - Physical Explosive - Health Acute Toxicity - Health Simple	METHANE ETHANE	99% 1%	74-82-8 74-84-0
		PLATE TYPE CATALYST CAS No.	Solid C Type	52000 torage Container Other Days on Site: 365	52000	52000 Pressue > Ambient Temperature > Ambient	Waste Code	Asphyxiant - Physical Corrosive To Metal - Health Acute Toxicity - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity	MOLYBDENUM TRIOXI TITANIUM DIOXIDE VANADIUM PENTOXID	80%	1313-27-5 13463-67-7 1314-62-1
Flammable Liquid	I, Class I-A	REFINERY FUEL GAS CAS No	Gas S Type	407 torage Container teel Drum, Other Days on Site: 365	3240	407 Pressue > Ambient Temperature > Ambient	Waste Code	- Health Acute	FUEL GAS		68308-27-0
DOT: 9 - Misc. Haz Materials Flammable Liquid		SOUR WASTEWATER CAS No	Liquid S Type	20 torage Container teel Drum, Other Days on Site: 365	220	20 Pressue > Ambient Temperature > Ambient	Waste Code	- Physical Flammable - Health Acute Toxicity - Health Respiratory Skin Sensitization	HYDROGEN SULFIDE WATER	1%	7783-06-4 7732-18-5

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		Hazardo	ous Materials	And Waste	s Inventor	y Matrix I	Report				
CERS Business/Org. Facility Name	Valero Valero Benicia Refinery 3400 E 2nd Street, Benicia 94510			Chemical Loca C5 COGEN		CERS ID 10133161 Facility ID 48-000-020015 Status Submitted on 2/28/2024 12:05 PM					
				Quantities		Annual Waste	Federal Hazard	Hazardous Co (For mixtu		S	
DOT Code/Fire Haz. (Class Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Amount	Categories	Component Name	% Wt	EHS CAS No.	
	CAS No	Liquid Type	Storage Container Other Days on Site: 365	1010	1990 Pressue > Ambient Temperature > Ambient		- Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Hazard Not Otherwise Classified	EHTANE, 1,1 - DICHLORO-2,2,2-TRIFLUORO	100%	306-83-2	
	CAS No	Pounds State Liquid Type Mixture	Storage Container Other Days on Site: 365	70	60 Pressue > Ambient Temperature > Ambient	Waste Code		WHITE MINERAL OIL	100%	8042-47-5	
	USF A-284 ION EXCHANGE RESIN	State Solid Type		1060	1060 Pressue Ambient Temperature Ambient	Waste Code	- Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity	Trimethylamine functionalized,CHLOROMETHELA ED COPOLYMER OF STYRENE AND DIVINYL BENZENE WATER		609011-18-3 7732-18-5	

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WASTE-2 Documentation of Waste Management Methods

I certify that all wastes generated at the Valero Cogeneration Facility are properly characterized and managed according to waste management practices described in CTEMS EPL-4001 Container Labeling and Closure Policy and the Benicia Refinery Waste Management Compliance Manual.

Tryn Goodwin Date

Manager - Environmental Engineering

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VALERO COGENERATION PROJECT 2023 ANNUAL COMPLIANCE REPORT Valero Benicia Refinery NPDES CA0005550

WQ-2: Annual Monitoring Data Submitted to RWQCB

The Valero Cogeneration Project sends a small amount of wastewater to the refinery's wastewater treatment system, which after treatment becomes a part of the refinery's effluent. Valero submits its self-monitoring data for the refinery's effluent monthly to the RWQCB electronically via the Internet to eSMR, the State Board electronic reporting system.

Attached is the 2023 NPDES Compliance Summary Table for the Valero Benicia Refinery, which provides a listing of the refinery's NPDES permit monitoring points and compliance parameters, along with a monthly accounting of the compliance status and number of samples taken each month.

For each month, the entry made in each row (e.g., 0/31) corresponds to the number samples exceeding the limit versus the number of samples taken during the month. An entry of 0/31 means that no samples exceeded the limit out of 31 (i.e., daily) samples that month.

During the 2023 reporting year, there were 0 sample results that exceeded a NPDES permit limit.

EFF-001 January Hydraulic Storm

On December 31, 2022 the Wastewater Treatment Plant (WWTP) was shutdown (out of service) due to sustained heavy rainfall.

During the month of January 2023, the refinery continued to experience unprecedented hydraulic limitation due to wet weather flow from four back to back heavy rain events. A State of Emergency was declared throughout California on January 4, 2023.

On January 3, 2023, weather subsided such that refinery personnel could return to the unit. To restore operations, the stormwater from the Retention Pond was pumped to Sulphur Springs Creek while resuming bypass sampling. Because stormwater capacity was maximized due to the prior heavy rain event and the WWTP was out of service for several days due to flooding, Valero made a 24-hour notification via email of an anticipated bypass to the Regional Water Board in anticipation of the second heavy rain event. Valero received approval from the RWQCB via email at the end of business day.

On January 4, 2023 at approximately 19:40 hours, the WWTP was shut down and personnel evacuated due to heavy winds and intense precipitation.

On January 5, 2023, Valero continued to work to restore power to the WWTP which was restored at approximately 10:48 hours. Valero Operations maintained close communication with the City of Benicia for Lake Herman water discharges in order to try to minimize any potential impacts to Valero's WWTP.

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Between January 6, 2023 and January 11, 2023, Valero attempted to return the WWTP to operation amid continued effects of the multiple storm events. On January 11, 2023, at approximately 14:00 hours, the WWTP was normalized and returned to service. Retention Pond stormwater continued discharging to the creek until January 16, 2023 due to maximized storm water storage capacity.

From January 5-11, 2023, Valero provided updates on WWTP to the RWQCB regarding operational progress.

EFF-001 March/April Wet Weather

On March 6, 2023, Valero made a 24-hour notification via email and phone call of an anticipated bypass to the RWQCB, in anticipation of the upcoming heavy rain storm event. Stormwater storage capacity was maximized due to prior heavy rain events. Valero received approval from RWQCB via email at the end of the business day.

On March 9, 2023 at 10:58 hours, Solano County issued a High Winds and Flooding Alert. At approximately 19:00 hours, the WWTP initiated the approved bypass from 20 yr. stormwater pond to Final Effluent Discharge E-001. Valero Operations maintained close communication with the City of Benicia for Lake Herman water discharges in order to try to minimize any potential impacts to Valero's Wastewater Treatment Plant (WWTP). Daily sampling was initiated and use of the approved bypass ended on April 17, 2023.

EFF-001 Acute Toxicity

During the month of January, a weekly bioassay went static on January 7, 2023 due to the Wastewater Treatment Plant unit start up process.

During the months of February, July, August and September 2023 there were instances where the bioassay tests went static for a short period of time due to diversions from Bay. All tests ended 100% survival. There were no impacts to treatment or compliance.

VALERO COGENERATION PROJECT 2023 ANNUAL COMPLIANCE REPORT

2023 COMPLIANCE SUMMARY TABLE Valero Benicia Refinery NPDES CA0005550

PARAMETER	LIMIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	TOTAL
Monitoring Point EFF-001														0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 3400	0/1	0/1	0/24	0/8	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/42
Biochemical Oxygen Demand (BOD) (5-day (Max 1900	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/12
Chemical Oxygen Demand (COD) Eff Daily M	Max 24000	0/1	0/1	0/24	0/18	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/52
Chemical Oxygen Demand (COD) Eff Month	Max 13000	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/12
Total Suspended Solids (TSS) Eff Daily Loadin	Max 2400	0/5	0/4	0/24	0/19	0/5	0/4	0/5	0/4	0/4	0/5	0/4	0/5	0/88
Total Suspended Solids (TSS) Eff Monthly Av	Max 1500	0/1	0/1	0/1	1/1	0/1	0/1	0/1	1/1	0/1	0/1	0/1	0/1	2/12
Oil and Grease Eff Daily Maximum lb/day	Max 1000	0/5	0/4	0/24	0/19	0/5	0/4	0/5	0/4	0/4	0/5	0/4	0/5	0/88
Oil and Grease Eff Monthly Average lb/day	Max 550	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/12
pH Eff Daily Minimum SU	Min 6	0/26	0/28	0/31	0/30	0/31	0/30	0/31	0/31	0/30	0/31	0/30	0/31	0/360
pH Eff Daily Maximum SU	Max 9	0/26	0/28	0/31	0/30	0/31	0/30	0/31	0/31	0/30	0/31	0/30	0/31	0/360
Sulfide, Total (as S) Eff Daily Maximum lb/da	Max 21	0/1	0/1	0/15	0/9	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/34
Sulfide, Total (as S) Eff Monthly Average lb/	Max 10	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/12
Ammonia, Total (as N) Eff Daily Maximum m	Max 20	0/1	0/1	0/24	0/18	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/52
Ammonia, Total (as N) Eff Daily Loading lb/c	Max 2000	0/1	0/1	0/24	0/18	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/52
Ammonia, Total (as N) Eff Monthly Average	Max 5.7	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/12
Ammonia, Total (as N) Eff Monthly Average	Max 1000	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/12
Acute Toxicity Eff 11Samp 90th% % survival	Min 70	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Acute Toxicity Eff 11Samp MovingMed % su	Min 90	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chronic Toxicity Eff Daily Maximum TUc	Max 10	0/1	0/0	0/0	0/1	0/0	0/0	0/0	0/1	0/0	0/1	0/0	0/0	0/4
Acute Toxicity-Fathead Minnow-survival Eff	Min 70	0/5	0/4	0/4	0/4	0/5	0/4	0/5	0/4	0/4	0/5	0/4	0/5	0/53
Acute Toxicity-Fathead Minnow-survival Eff	Min 90	0/5	0/4	0/4	0/4	0/5	0/4	0/5	0/4	0/4	0/5	0/4	0/5	0/53
Chromium (Total) Eff Daily Loading lb/day	Max 46	0/1	0/1	0/24	0/18	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/52
Chromium (Total) Eff Monthly Average lb/da	Max 16	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/12
Chromium (VI) Eff Daily Maximum ug/L	Max 72	0/1	0/1	0/23	0/15	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/48
Chromium (VI) Eff Daily Loading lb/day	Max 2.9	0/1	0/1	0/23	0/15	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/48
Chromium (VI) Eff Monthly Average ug/L	Max 36	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/12
Chromium (VI) Eff Monthly Average lb/day	Max 1.3	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/12
Copper, Total Eff Daily Maximum ug/L	Max 120	0/1	0/1	0/24	0/18	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/52

PARAMETER	LIMIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	TOTAL
Copper, Total Eff Monthly Average ug/L	Max 58	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/12
Mercury, Total Eff Daily Maximum ug/L	Max 0.12	0/1	0/1	0/0	0/1	0/0	0/0	0/1	0/0	0/0	0/1	0/0	0/0	0/5
Mercury, Total Eff Monthly Average ug/L	Max 0.079	0/1	0/1	0/0	0/1	0/0	0/0	0/1	0/0	0/0	0/1	0/0	0/0	0/5
Mercury, Total Eff Annual Loading kg/year	Max 0.08	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/12
Nickel, Total Eff Daily Maximum ug/L	Max 430	0/1	0/1	0/24	0/18	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/52
Nickel, Total Eff Monthly Average ug/L	Max 230	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/12
Selenium, Total Eff Monthly Average kg/day	Max 0.34	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/12
Cyanide, Total (as CN) Eff Daily Maximum ug	Max 42	0/1	0/1	0/24	0/18	0/1	0/1	0/1	0/1	0/1	0/1	0/9	0/1	0/60
Cyanide, Total (as CN) Eff Monthly Average	Max 19	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/12
TCDD Equivalents Eff Daily Maximum pg/L	Max 0.28	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/2
TCDD Equivalents Eff Monthly Average pg/L	Max 0.14	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/2
Polychlorinated Biphenyls (PCBs), Sum Eff D	Max 0.0015	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Polychlorinated Biphenyls (PCBs), Sum Eff N	Max 0.0009	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Monitoring Point EFF-002-A1														0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 48	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Daily M	Max 360	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Month	Max 180	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Daily Maxin	Max 33	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Monthly Av	Max 21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Organic Carbon (TOC) Eff Daily Maxim	Max 110	0/1	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/3
Oil and Grease Eff Daily Maximum mg/L	Max 15	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/2
Oil and Grease Eff Monthly Average mg/L	Max 8	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/2
pH Eff Daily Minimum SU	Min 6.5	0/1	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/3
pH Eff Daily Maximum SU	Max 8.5	0/1	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/3
Chromium (Total) Eff Daily Maximum mg/L	Max 0.6	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (Total) Eff Monthly Average mg/	Max 0.21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Daily Maximum mg/L	Max 0.062	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Monthly Average mg/L	Max 0.028	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0

PARAMETER	LIMIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	TOTAL
Phenols, Total Eff Daily Maximum mg/L	Max 0.35	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Monthly Average mg/L	Max 0.17	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Monitoring Point EFF-003-A1														0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 48	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Daily M	Max 360	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Month	Max 180	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Daily Maxir	Max 33	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Monthly Av	Max 21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Organic Carbon (TOC) Eff Daily Maxim	Max 110	0/3	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/5
Oil and Grease Eff Daily Maximum mg/L	Max 15	0/3	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/4
Oil and Grease Eff Monthly Average mg/L	Max 8	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/2
pH Eff Daily Minimum SU	Min 6.5	0/3	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/5
pH Eff Daily Maximum SU	Max 8.5	0/3	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/5
Chromium (Total) Eff Daily Maximum mg/L	Max 0.6	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (Total) Eff Monthly Average mg/	Max 0.21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Daily Maximum mg/L	Max 0.062	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Monthly Average mg/L	Max 0.028	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Daily Maximum mg/L	Max 0.35	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Monthly Average mg/L	Max 0.17	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Monitoring Point EFF-004-A1														0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 48	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Daily M	Max 360	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Month	Max 180	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Daily Maxir	Max 33	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Monthly Av	Max 21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Organic Carbon (TOC) Eff Daily Maxim	Max 110	0/3	0/0	0/0	0/0	0/1			0/0	0/0	0/0	0/0	0/1	0/5
Oil and Grease Eff Daily Maximum mg/L	Max 15	0/3	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/4

PARAMETER	LIMIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Oil and Grease Eff Monthly Average mg/L	Max 8	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/2
pH Eff Daily Minimum SU	Min 6.5	0/3	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/5
pH Eff Daily Maximum SU	Max 8.5	0/3	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/5
Chromium (Total) Eff Daily Maximum mg/L	Max 0.6	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (Total) Eff Monthly Average mg/	Max 0.21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Daily Maximum mg/L	Max 0.062	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Monthly Average mg/L	Max 0.028	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Daily Maximum mg/L	Max 0.35	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Monthly Average mg/L	Max 0.17	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Monitoring Point EFF-005-A1														0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 48	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Daily M	Max 360	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Month	Max 180	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Daily Maxir	Max 33	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Monthly Av	Max 21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Organic Carbon (TOC) Eff Daily Maxim	Max 110	0/3	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/5
Oil and Grease Eff Daily Maximum mg/L	Max 15	0/3	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/4
Oil and Grease Eff Monthly Average mg/L	Max 8	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/2
pH Eff Daily Minimum SU	Min 6.5	0/3	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/5
pH Eff Daily Maximum SU	Max 8.5	0/3	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/5
Chromium (Total) Eff Daily Maximum mg/L	Max 0.6	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (Total) Eff Monthly Average mg/	Max 0.21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Daily Maximum mg/L	Max 0.062	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Monthly Average mg/L	Max 0.028	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Daily Maximum mg/L	Max 0.35	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Monthly Average mg/L	Max 0.17	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Monitoring Point EFF-006-A1														0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 48	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0

PARAMETER	LIMIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	TOTAL
Biochemical Oxygen Demand (BOD) (5-day (Max 26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Daily M	Max 360	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Monthl	Max 180	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Daily Maxin	Max 33	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Monthly Av	Max 21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Organic Carbon (TOC) Eff Daily Maxim	Max 110	0/3	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/5
Oil and Grease Eff Daily Maximum mg/L	Max 15	0/3	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/4
Oil and Grease Eff Monthly Average mg/L	Max 8	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/2
pH Eff Daily Minimum SU	Min 6.5	0/3	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/5
pH Eff Daily Maximum SU	Max 8.5	0/3	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/5
Chromium (Total) Eff Daily Maximum mg/L	Max 0.6	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (Total) Eff Monthly Average mg/	Max 0.21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Daily Maximum mg/L	Max 0.062	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Monthly Average mg/L	Max 0.028	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Daily Maximum mg/L	Max 0.35	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Monthly Average mg/L	Max 0.17	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Monitoring Point EFF-007-A1														0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 48	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Daily M	Max 360	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Monthl	Max 180	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Daily Maxin	Max 33	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Monthly Av	Max 21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Organic Carbon (TOC) Eff Daily Maxim	Max 110	0/2	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/4
Oil and Grease Eff Daily Maximum mg/L	Max 15	0/2	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/3
Oil and Grease Eff Monthly Average mg/L	Max 8	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/2
pH Eff Daily Minimum SU	Min 6.5	0/2	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/4
pH Eff Daily Maximum SU	Max 8.5	0/2	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/4
Chromium (Total) Eff Daily Maximum mg/L	Max 0.6	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0

PARAMETER	LIMIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	TOTAL
Chromium (Total) Eff Monthly Average mg/	Max 0.21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Daily Maximum mg/L	Max 0.062	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Monthly Average mg/L	Max 0.028	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Daily Maximum mg/L	Max 0.35	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Monthly Average mg/L	Max 0.17	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Monitoring Point EFF-008-A1														0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 48	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Daily M	Max 360	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Month	Max 180	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Daily Maxin	Max 33	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Monthly Av	Max 21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Organic Carbon (TOC) Eff Daily Maxim	Max 110	0/2	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/4
Oil and Grease Eff Daily Maximum mg/L	Max 15	0/2	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/3
Oil and Grease Eff Monthly Average mg/L	Max 8	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/2
pH Eff Daily Minimum SU	Min 6.5	0/2	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/4
pH Eff Daily Maximum SU	Max 8.5	0/2	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/4
Chromium (Total) Eff Daily Maximum mg/L	Max 0.6	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (Total) Eff Monthly Average mg/	Max 0.21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Daily Maximum mg/L	Max 0.062	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Monthly Average mg/L	Max 0.028	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Daily Maximum mg/L	Max 0.35	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Monthly Average mg/L	Max 0.17	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Monitoring Point EFF-009-A1														0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 48	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Daily M	Max 360	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Monthl	Max 180	0/0	0/0	0/0	0/0	0/0		_	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Daily Maxin	Max 33	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0

PARAMETER	LIMIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	TOTAL
Total Suspended Solids (TSS) Eff Monthly Av	Max 21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Organic Carbon (TOC) Eff Daily Maxim	Max 110	0/2	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/3
Oil and Grease Eff Daily Maximum mg/L	Max 15	0/2	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/3
Oil and Grease Eff Monthly Average mg/L	Max 8	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/2
pH Eff Daily Minimum SU	Min 6.5	0/2	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/3
pH Eff Daily Maximum SU	Max 8.5	0/2	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/3
Chromium (Total) Eff Daily Maximum mg/L	Max 0.6	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (Total) Eff Monthly Average mg/	Max 0.21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Daily Maximum mg/L	Max 0.062	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Monthly Average mg/L	Max 0.028	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Daily Maximum mg/L	Max 0.35	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Monthly Average mg/L	Max 0.17	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Monitoring Point EFF-010-A1														0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 48	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Daily M	Max 360	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Month	Max 180	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Daily Maxir	Max 33	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Monthly Av	Max 21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Organic Carbon (TOC) Eff Daily Maxim	Max 110	0/2	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/3
Oil and Grease Eff Daily Maximum mg/L	Max 15	0/2	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/3
Oil and Grease Eff Monthly Average mg/L	Max 8	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/2
pH Eff Daily Minimum SU	Min 6.5	0/2	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/3
pH Eff Daily Maximum SU	Max 8.5	0/2	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/3
Chromium (Total) Eff Daily Maximum mg/L	Max 0.6	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (Total) Eff Monthly Average mg/	Max 0.21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Daily Maximum mg/L	Max 0.062	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Monthly Average mg/L	Max 0.028	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Daily Maximum mg/L	Max 0.35	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0

PARAMETER	LIMIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	TOTAL
Phenols, Total Eff Monthly Average mg/L	Max 0.17	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Monitoring Point EFF-011-A1														0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 48	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Daily N	Max 360	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Month	Max 180	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Daily Maxir	Max 33	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Monthly Av	Max 21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Organic Carbon (TOC) Eff Daily Maxim	Max 110	0/3	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/4
Oil and Grease Eff Daily Maximum mg/L	Max 15	0/3	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/4
Oil and Grease Eff Monthly Average mg/L	Max 8	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/2
pH Eff Daily Minimum SU	Min 6.5	0/3	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/4
pH Eff Daily Maximum SU	Max 8.5	0/3	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/4
Chromium (Total) Eff Daily Maximum mg/L	Max 0.6	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (Total) Eff Monthly Average mg/	Max 0.21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Daily Maximum mg/L	Max 0.062	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Monthly Average mg/L	Max 0.028	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Daily Maximum mg/L	Max 0.35	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Monthly Average mg/L	Max 0.17	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Monitoring Point EFF-012-A1														0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 48	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Daily M	Max 360	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Month	Max 180	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Daily Maxir	Max 33	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Monthly Av	Max 21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Organic Carbon (TOC) Eff Daily Maxim	Max 110	0/3	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/5
Oil and Grease Eff Daily Maximum mg/L	Max 15	0/3	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/4
Oil and Grease Eff Monthly Average mg/L	Max 8	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/2

PARAMETER	LIMIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
pH Eff Daily Minimum SU	Min 6.5	0/3	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/5
pH Eff Daily Maximum SU	Max 8.5	0/3	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/5
Chromium (Total) Eff Daily Maximum mg/L	Max 0.6	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (Total) Eff Monthly Average mg/	Max 0.21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Daily Maximum mg/L	Max 0.062	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Monthly Average mg/L	Max 0.028	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Daily Maximum mg/L	Max 0.35	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Monthly Average mg/L	Max 0.17	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Monitoring Point EFF-013-A1														0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 48	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Daily M	Max 360	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Month	Max 180	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Daily Maxir	Max 33	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Monthly Av	Max 21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Organic Carbon (TOC) Eff Daily Maxim	Max 110	0/2	0/0	0/0	0/1	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/5
Oil and Grease Eff Daily Maximum mg/L	Max 15	0/2	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/3
Oil and Grease Eff Monthly Average mg/L	Max 8	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/2
pH Eff Daily Minimum SU	Min 6.5	0/2	0/0	0/0	0/1	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/5
pH Eff Daily Maximum SU	Max 8.5	0/2	0/0	0/0	0/1	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/5
Chromium (Total) Eff Daily Maximum mg/L	Max 0.6	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (Total) Eff Monthly Average mg/	Max 0.21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Daily Maximum mg/L	Max 0.062	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Monthly Average mg/L	Max 0.028	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Daily Maximum mg/L	Max 0.35	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Monthly Average mg/L	Max 0.17	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Monitoring Point EFF-014-A1														0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 48	0/0	0/0	0/0	0/0	0/0		0/0		0/0	0/0	0/0	0/0	0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0

PARAMETER	LIMIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Chemical Oxygen Demand (COD) Eff Daily M	Max 360	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Month	Max 180	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Daily Maxin	Max 33	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Monthly Av	Max 21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Organic Carbon (TOC) Eff Daily Maxim	Max 110	0/2	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/3
Oil and Grease Eff Daily Maximum mg/L	Max 15	0/2	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/3
Oil and Grease Eff Monthly Average mg/L	Max 8	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/2
pH Eff Daily Minimum SU	Min 6.5	0/2	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/3
pH Eff Daily Maximum SU	Max 8.5	0/2	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/3
Chromium (Total) Eff Daily Maximum mg/L	Max 0.6	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (Total) Eff Monthly Average mg/	Max 0.21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Daily Maximum mg/L	Max 0.062	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Monthly Average mg/L	Max 0.028	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Daily Maximum mg/L	Max 0.35	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Monthly Average mg/L	Max 0.17	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Monitoring Point EFF-015-A1														0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 48	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Biochemical Oxygen Demand (BOD) (5-day (Max 26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Daily M	Max 360	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Month	Max 180	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Daily Maxin	Max 33	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Monthly Av	Max 21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Organic Carbon (TOC) Eff Daily Maxim	Max 110	0/3	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/4
Oil and Grease Eff Daily Maximum mg/L	Max 15	0/3	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/4
Oil and Grease Eff Monthly Average mg/L	Max 8	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/2
pH Eff Daily Minimum SU	Min 6.5	0/3	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/4
pH Eff Daily Maximum SU	Max 8.5	0/3	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/4
Chromium (Total) Eff Daily Maximum mg/L	Max 0.6	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (Total) Eff Monthly Average mg/	Max 0.21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0

PARAMETER	LIMIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	TOTAL
Chromium (VI) Eff Daily Maximum mg/L	Max 0.062	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Monthly Average mg/L	Max 0.028	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Daily Maximum mg/L	Max 0.35	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Monthly Average mg/L	Max 0.17	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Monitoring Point EFF-017-A1														0/0
Biochemical Oxygen Demand (BOD) (5-day	Max 48	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Biochemical Oxygen Demand (BOD) (5-day	Max 26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Daily N	Max 360	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Month	Max 180	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Daily Maxir	Max 33	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Monthly Av	Max 21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Organic Carbon (TOC) Eff Daily Maxim	Max 110	0/1	0/2	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/2	0/1	0/6
Oil and Grease Eff Daily Maximum mg/L	Max 15	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/0	0/2
Oil and Grease Eff Monthly Average mg/L	Max 8	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/0	0/2
pH Eff Daily Minimum SU	Min 6.5	0/1	0/2	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/2	0/1	0/6
pH Eff Daily Maximum SU	Max 8.5	0/1	0/2	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/2	0/1	0/6
Chromium (Total) Eff Daily Maximum mg/L	Max 0.6	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (Total) Eff Monthly Average mg/	Max 0.21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Daily Maximum mg/L	Max 0.062	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Monthly Average mg/L	Max 0.028	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Daily Maximum mg/L	Max 0.35	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Monthly Average mg/L	Max 0.17	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Monitoring Point EFF-018-A1														
Biochemical Oxygen Demand (BOD) (5-day	Max 48	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Biochemical Oxygen Demand (BOD) (5-day	Max 26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Daily N	Max 360	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemical Oxygen Demand (COD) Eff Month	Max 180	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Daily Maxir	Max 33	0/0	0/0	0/0	0/0	0/0		0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids (TSS) Eff Monthly Av	Max 21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0

PARAMETER	LIMIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	TOTAL
Total Organic Carbon (TOC) Eff Daily Maxim	Max 110	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Oil and Grease Eff Daily Maximum mg/L	Max 15	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Oil and Grease Eff Monthly Average mg/L	Max 8	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
pH Eff Daily Minimum SU	Min 6.5	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
pH Eff Daily Maximum SU	Max 8.5	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (Total) Eff Daily Maximum mg/L	Max 0.6	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (Total) Eff Monthly Average mg/	Max 0.21	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Daily Maximum mg/L	Max 0.062	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chromium (VI) Eff Monthly Average mg/L	Max 0.028	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Daily Maximum mg/L	Max 0.35	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Phenols, Total Eff Monthly Average mg/L	Max 0.17	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Monitoring Point EFF-001-A1														
Mercury, Total Eff Daily Maximum ug/L	Max 0.002	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Mercury, Total Eff Monthly Average ug/L	Max 0.002	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0

2023 ANNUAL COMPLIANCE REPORT

WR-1 Annual Cogeneration Unit Water Use Summary

Valero Cogeneration Project 2023 Summary

		MONTHLY											
			,	Water Usage			Recycled Water	Off-Set					
			G	PD		Acre-Feet	Acre-Feet	Acre-Feet					
	Gallons	Average	GPM	(min)	(max)	Total	Total	Net					
Jan-23	1,430,087	46,132	32	3,756	69,921	4.4	6.9	2.5					
Feb-23	1,316,603	47,022	33	36,706	61,842	4.0	6.9	2.9					
Mar-23	696,220	22,459	16	0	36,888	2.1	6.4	4.2					
Apr-23	594,013	19,800	14	0	84,713	1.8	6.4	4.5					
May-23	2,695,100	86,939	60	2	112,729	8.3	13.6	5.3					
Jun-23	2,206,975	73,566	51	4	96,309	6.8	13.6	6.8					
Jul-23	2,408,688	77,700	54	69,604	97,417	7.4	13.6	6.2					
Aug-23	1,804,585	58,212	40	6	98,271	5.5	7.6	2.0					
Sep-23	235,452	7,848	5	2	84,096	0.7	12.1	11.4					
Oct-23	2,410,882	77,770	54	3	110,219	7.4	12.0	4.6					
Nov-23	2,775,039	92,501	64	76,213	101,059	8.5	13.1	4.6					
Dec-23	2,100,321	67,752	47	59,246	85,078	6.4	13.2	6.7					

	ANNUAL										
	٧	Vater Usag		Recycled Water	Off-Set						
	GP	D		Acre-Feet	Acre-Feet	Acre-Feet					
Average	GPM	(min)	(max)	Total	Total	Net					
56,475	39	0	112,729	63	125	62					
84,174	53	0	152,853	94	174	79					

GPD: Gallons per day

2023 2022

CEC Condition of Certification, Water Use Metering, WATER RES-1 & WATER RES-2

Note: Due to flow meter downtimes, May, June, July, November, and December recycled water values are averaged over the previous 3 years.

VALERO COGENERATION PROJECT 2023 ANNUAL COMPLIANCE REPORT

Section 4: Post-Certification Changes

No changes were made in 2023.

VALERO COGENERATION PROJECT 2023 ANNUAL COMPLIANCE REPORT

Section 5: Resolution to Unmet Submittals

There were no unmet submittals or resolutions to unmet submittals in 2023.

2023 ANNUAL COMPLIANCE REPORT

Section 6: Permits and Filings Involving Other Governmental Agencies

Bay Area Air Quality Management District (BAAQMD)

- Valero Cogeneration Project 2023 Annual Mass Emissions Report to BAAQMD
- Routine Reports to BAAQMD:

Monthly Cogen NOx Report

Monthly Cogen CO Report

Monthly Cogen Fuel Gas Report (H2S/TRS)

Quarterly Cogen SO2 Curtailment Report

Quarterly Fuel Gas Sulfur Report

• Source Testing Reports:

Quarterly source test reports for SAM measurements

Annual source test reports for PM10, POC, SO2 measurements

- Form CEC-1304 Quarterly Report for Power Plants 10 MW or Greater
- Title V, Renewed Issued by BAAQMD April 30, 2013

Regional Water Quality Control Board (RWQCB)

- Valero Refinery NPDES Permit Renewal (including Cogeneration operations) RWQCB Order No. R2-2020-0033, CA 0005550: Adopted by RWQCB on December 16, 2020, effective January 1, 2021 through December 31, 2025
- Valero Refinery SWPPP Update (including Cogeneration operations)

Department of Energy (DOE) Energy Information Administration (EIA) reports

- EIA 860 "Annual Electric Generator Report"
- EIA 923 "Monthly Power Plant Operations Report"

Solano County CUPA / City of Benicia Fire Dept

Valero Benicia Refinery 2023 Hazardous Materials Business Plan (including Cogeneration operations)

U. S. EPA

Valero Benicia Refinery NSPS/MACT Semiannual Reports

2023 ANNUAL COMPLIANCE REPORT

Section 7: Projection of 2024 Compliance Activities

Operations:

Maintain cogeneration unit operations in compliance with emission limits and other permit conditions.

Recordkeeping:

Continue collection of data and records and maintain compliance files.

Reporting:

Prepare and submit monthly CEM reports.

Prepare and submit required quarterly, semiannual, and annual reports.

Source Testing:

Conduct quarterly source testing for SAM. Conduct annual source testing for PM10, POC, and SO2.

Continuous Emissions Monitoring Systems (CEMS):

Continue to conduct quarterly accuracy audits (CGA & RATA).

2023 ANNUAL COMPLIANCE REPORT

Section 8: 2023 Files

The following onsite compliance files have been established for the Valero Cogeneration unit and contain the information described for the previous year's operating period.

File Number	File Name	File Description
CGN	CEC Annual Compliance Report	Annual Compliance Reports for Cogen required
AI-03-02	o a marine o a mpiname o mapera	by general conditions of CEC's Commission Decision
CGN AI-03-02	Routine Cogen Quarterly Reports	Cogen Quarterly SO2 Containment Report
CGN AI-03-03	Annual Mass Emissions Report	Cogen Report as required by Permit Conditions #22 and #23
CGN EA-17-00	CGN CEC Compliance Fees	Invoices, Cogen Facility Compliance Fees
CGN WA-03-02	Monthly Cogen Water Use Reports	Cogen Cooling Tower TDS by Conductivity Cogen H2O Report
Fed 60a Al-24-16	FED-60A QA/QC GT-4901/SG-4901	Cogen – CEMS Quality Assurance Plan
SRCTST AI-03-03	BAAQMD Notifications	Notifications of source tests for Cogen
SRCTST AI-03-03	Cogen – Monthly CEMS Report	Cogen - Monthly Gas Turbine and HRSG Monitoring Report Reg. 1-522.8
SRCTST AI-24-00	Monthly CEMS Down & OOC LOGS	2023 Monthly CEMS Downtime & Out of Control Logs
SRCTST Al-21-03	Cogen – Stack Source Tests	Source test for the Cogen Stack and Quarterly Source Test Submittals
SRCTST Al-21-03	SRCTST GT-4901 S-1030	Source Test Reports

2023 ANNUAL COMPLIANCE REPORT

Section 9: Evaluation of the Onsite Contingency Plan

Onsite Contingency Plan for Unexpected Temporary & Permanent Closure

The Onsite Contingency Plan for Unexpected Temporary and Permanent Closure is reviewed and updated annually.

<u>Cogeneration Unit Operating Procedures</u>

The normal and emergency procedures in the operating procedures manual are reviewed and updated annually.

2023 ANNUAL COMPLIANCE REPORT

Section 10: Complaints, NOVs, Warnings and Citations

2023 Complaints:

The refinery received no complaints that have been determined to be related to the Cogeneration Unit.

2023 Notices of Violation (NOVs):

The BAAQMD issued the following NOVs for events that were related to the Cogeneration Unit (GT/SG-4901 stack emissions):

BAAQMD NOV#	Date Issued	Date of Event	Description
62184	4/17/2023	9/30/2021	NOV was issued for exceeding the 2.5 ppmvd 3-hr avg NOX limit from GT-4901 on September 30, 2021. (9/30/21 12:00-3:00)
62190	6/20/2023	4/30/2023	NOV was issued for failure to report period of NOx CEMS inoperation greater than 24 continuous hours by the following working day.
62191	6/26/2023	11/5/2022	NOV was issued for exceeding 6 ppmvd @15%02 average over 3-clock hour period at Cogen on 11/5/2022. (11/5/22 00:00-05:00)
62200	12/6/2023	7/17/2023	NOV was issued for Cogen NOx emissions greater than 7.29 lb per clock hour and 2.5 ppmvd @15%02 (3-hour clock period average)
62201	12/19/2023	1/15/2023	NOV was issued for Cogen NOx emissions greater than 7.29 lb per clock hour and 2.5 ppmvd@15%02 (3-hour clock period average)

2023 Warnings and Citations:

The refinery received no other warnings or citations that have been determined to be related to the Cogeneration Unit.

2023 ANNUAL COMPLIANCE REPORT

Section 11: 2023 CEC Compliance Inspection and Follow Up







January 8, 2024

McGregor Stadtmiller, Environmental Engineer Valero Refining Company 3400 East 2nd Street Benicia, California 94510

VALERO COGENERATION PROJECT (01-AFC-05C) COMPLIANCE INSPECTION AND FOLLOW UP — COMPLETED

Dear McGregor Stadtmiller:

Thank you for taking the time to accommodate the California Energy Commission (CEC) staff (staff) on their June 1, 2023, compliance inspection.

The purpose of the compliance inspection was to perform a visual examination of the site and review selected documentation, procedures, and records related to the facility's Conditions of Certification (COC). Such inspections are periodically conducted to verify compliance with the COC in the facility's Final Commission Decision.

As a follow-up to the inspection, you were sent a letter on July 19, 2023, listing action items for completion. Staff has reviewed all information provided and no additional information is required.

Staff's limited inspection and review of the documents, procedures and records provided did not identify any violations of Valero Cogeneration Project's COC, and this inspection is now complete and closed.

With the completion of the compliance inspection, all documents that were requested by staff have been deleted from the CEC's record keeping system.

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Should you have any questions or concerns, please contact Compliance Project Manager Anwar Ali, Compliance Monitoring and Enforcement Unit, Safety and Reliability Branch, at (916) 698-7498 or at Anwar.Ali@energy.ca.gov.

Sincerely,

Brett Fooks

Brett Fooks Program Manager, Safety and Reliability Branch, Siting, Transmission, and Environmental Protection Division