



Air Pollution Control District  
San Luis Obispo County

**TITLE V PERMIT TO OPERATE  
PERMIT EVALUATION  
and  
STATEMENT OF BASIS  
for  
CHEVRON USA, INC.**

**Title V Application Number:** 7003  
**Facility ID:** 175  
**Site Number:** 0905  
**Permit Number:** 353-7  
**Other Applications Included:** None  
**Facility Address:** Western Midway Sunset  
Oilfield Near Fellows, CA;  
Eastern Edge of SLO County  
**Permit Engineer:** Sarah Wade  
**Date:** March 11, 2021

## TABLE OF CONTENTS

I.	Background and Facility Description.....	4
II.	Changes to Permit .....	5
	A. Administrative Changes.....	5
	B. New Conditions .....	5
III.	Equipment Description .....	5
IV.	Rules and Regulations Evaluation .....	5
	A. District Rules .....	5
	Rule 201, Equipment Not Requiring a Permit: .....	5
	Rule 204, Requirements (New Source Review): .....	6
	Rule 206, Conditional Approval:.....	6
	Rule 214, Notification: .....	6
	Rule 216, Federal Part 70 Permits: .....	6
	Rule 219, Toxics New Source Review: .....	6
	Rule 302, Schedule of Fees: .....	7
	Rule 401, Visible Emissions:.....	7
	Rule 402, Nuisance. ....	7
	Rule 403, Particulate Emissions. ....	7
	Rule 404, Sulfur Compounds Emission Standards, Limitations and Prohibitions: .....	7
	Rule 405, Nitrogen Oxide Emission Standards, Limitations, and Prohibitions:.....	7
	B. State Regulations.....	7
	17 CCR 93116, Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater:.....	7
	17 CCR 95665 et seq, Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities:.....	8
	C. Federal Regulations .....	8
	40 CFR 82, Protection of Stratospheric Ozone:.....	8
	40 CFR 61 Subpart M, National Emission Standard for Asbestos .....	8
V.	Emissions .....	8
	A. Oil and Gas Fugitive Emissions .....	8
VI.	Conclusions/Recommendations.....	9
VII.	Appendix A: San Joaquin Valley APCD Facility-wide Permits .....	10
VIII.	Appendix B: San Joaquin Valley APCD 2019 Emissions Inventory .....	56

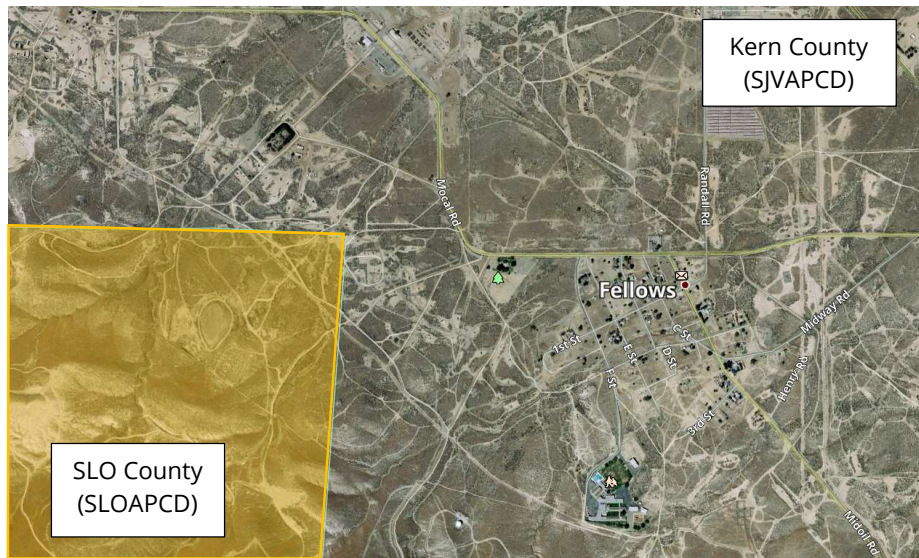
LIST OF FIGURES AND TABLES

<b>Figure 1</b>	Google Earth: Shared Jurisdiction .....	4
<b>Table 1</b>	List of Equipment.....	5
<b>Table 2</b>	Facility-wide Emissions.....	9

## I. Background and Facility Description

This report is to evaluate application 7003 for a Title V operating permit for the Chevron Midway Sunset Oilfield. The Chevron Midway Sunset operation is an existing oilfield that straddles the San Luis Obispo and Kern County lines. The entire oilfield contains thousands of producing oil wells, storage tanks, and gas processing facilities. The portion of the oilfield that extends into San Luis Obispo County consists of sixty-eight (68) electrically driven wells that are closed to the atmosphere.

If evaluated for only the emissions in San Luis Obispo County, Chevron Midway Sunset would be exempt from needing a Title V operating permit, as potential emissions in San Luis Obispo County are well below the 100 ton per year major source threshold. The Chevron Midway Sunset emissions in the San Joaquin Valley Air Pollution Control District (SJVAPCD), however, exceed the 100 ton per year major source threshold, thereby qualifying the facility as a Title V source. The United States Environmental Protection Agency (EPA) has determined that emissions from a single source must be aggregated across jurisdictional boundary lines. This finding was made in 1998 when the EPA ruled that the jurisdictional boundary between the South Coast Air Quality Management District and the San Diego Air Pollution Control District did not separate Camp Pendleton Marine Corp Base into two facilities. Rather, the EPA considered the entire military base to be a single facility and required that emissions be aggregated across the county line for Title V purposes. EPA went on to indicate that Title V permits should be issued by each agency based on their individual major source thresholds. Based upon this ruling, Chevron Midway Sunset has a Title V operating permit from both the SJVAPCD<sup>1</sup> and the San Luis Obispo County Air Pollution Control District (SLOAPCD or District).



**Figure 1.** Google Earth demonstration of oilfield jurisdictional divide between SLOAPCD and SJVAPCD.

The 20.5-barrel (bbl) compressor condensate vessel and the gas gathering system with an electric powered compressor (C-2) are being removed from the operating permit list of equipment. Both of the pieces of equipment have been removed and the wells they once controlled are now closed to the atmosphere. The removal of the gas gathering system will not increase emissions; therefore District Rule 219 does not apply.

The administrative requirements that apply to this permit issuance are:

- issue within 18 months of completeness (Rule 216.H.1.c.4)
- 45-day EPA review period (Rule 216.H.5)
- 30-day public comment period (Rule 216.J.1.b.6)
- affected states notification (Rule 216.J.2.c.1)

<sup>1</sup>See Appendix A for copy of SJAPCD facility-wide permits for shared oilfield area.

## II. Changes to Permit

### A. Administrative Changes

The permit is being updated to fix minor clerical errors. Additionally, the gas gathering system (including the compressor and tank listed on the previous instance of the permit) has been removed from service and all wells on the San Luis Obispo County side of the oilfield are closed to the atmosphere. These changes are considered “Administrative Part 70 Permit Amendment(s)” according to the definition in District Rule 216, Federal Part 70 Permits.

### B. New Conditions

Two (2) conditions are being added to the permit to bring it in alignment with the most current regulations and the SJVAPCD permits. These changes are being considered "Minor Part 70 Permit Modification(s)" according to the definition in District Rule 216. The first condition will ensure compliance with the most recent update to the State’s Oil and Gas regulation. All other facilities subject to this regulation have had their permits revised to incorporate a standard condition ensuring compliance. The new condition will read:

*Chevron shall comply with all requirements of Title 17, California Code of Regulations, Article 4, Sub article 13, sections 95665 to 95677, Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities. Annual reporting and notification requirements of that regulation apply to registered equipment and are enforceable by both the Air Resources Board and the District. Compliance with District permitting, inspection, and maintenance requirements satisfy the regulation requirements for Oil and Gas Production, Processing, and Storage Facilities. [District-only, 17 CCR 95665].*

The second new condition will ensure compliance with the federal Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation. A condition is already on the SJVAPCD facility-wide permit to require compliance, therefore this condition is to maintain cross-jurisdictional consistency as already done with the Stratospheric Ozone Regulation and Architectural Coatings Rule. The new condition, which is from the SJVAPCD verbatim, reads:

*Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M].*

## III. Equipment Description

**Table 1:** Equipment Description

	Title	Description
a.	Sixty-eight (68) electrically driven closed vent wells	Sixty-eight electrically driven wells closed to the atmosphere
b.	Associated piping and valves	

## IV. Rules and Regulations Evaluation

### A. District Rules

**Rule 201. Equipment Not Requiring a Permit:**

Specific equipment exemptions are identified along with a general exemption for emissions of less than two pounds per day on a monthly operating day average.

Response: Oil and gas facilities are subject to various state and federal laws, as well as District Rule 216, Federal Part 70 Permits, therefore a permit required per sections A.1.a and A.1.d of the Rule, respectively.

**Rule 204, Requirements (New Source Review):**

Reasonably Available Control Technology (RACT) is required for less than 25 pounds per day, Best Available Control Technology (BACT) is required for greater than or equal to 25 pounds per day, and offsets are required for greater than or equal to 25 tons per year (tpy). Section 204.C.2 exempts projects from control technology and offsets if the Net Emissions Increase (NEI) is less than 200 pounds per year. Section D requires that the project's emissions not result in an exceedance of an ambient air quality standard. Section E requires certification of statewide compliance for facilities with Potential to Emit (PTE) greater than or equal to 25 tpy.

Response: Individual processes may exceed 25 pounds per day so BACT can be triggered if expanded or modified. The facility-wide potential to emit (across jurisdictional boundaries) exceeds 25 tons per year for most pollutants so offsets can be triggered as well. However, there is no increase in the potential to emit at this time, so BACT and offsets are not applicable.

**Rule 206, Conditional Approval:**

Conditions may be placed on an Authority to Construct or Permit to Operate to ensure compliance with all applicable requirements.

Response: Conditions are placed on the Permit to Operate to support compliance with District regulations, federal regulations and the state greenhouse gas regulation.

**Rule 214, Notification:**

Newspaper public notice is required for an Authority to Construct which will increase PTE 100 pounds per day for NO<sub>x</sub>, ROG, or SO<sub>x</sub>; 80 pounds per day for PM<sub>10</sub>; and 550 pounds per day for CO.

Response: Potential to emit will not increase, therefore no additional notification is required beyond the standard notification procedures required for Federal Part 70 permit renewals.

**Rule 216, Federal Part 70 Permits:**

Major sources emitting greater than 100 tpy of a criteria air contaminant are required to obtain a federally enforceable operating (Title V) permit. This rule includes applicability criteria, application requirements, and procedures for permit content, review, issuance, and revision.

Response: All application requirements listed in 216.E for the reissuance of a Part 70 permit have been met. The changes discussed in Section II: Changes to Permit are considered either minor Part 70 permit modifications or administrative Part 70 permit amendments and have no impact to existing federal requirements. There are no significant modifications as defined in 216.C.21. Notification to the EPA, the public and the surrounding Districts will be made as required by this Rule. A notice will be published in the Tribune newspaper and a 30-day public comment period will be initiated. Once the comment period is complete and all comments are addressed, the permit will be renewed.

**Rule 219, Toxics New Source Review:**

Applies to permitted sources that increase toxic emissions that result in  $\geq 1.0E-6$  risk or  $\geq 0.10$  HHI. Modified sources must increase toxic emissions above permitted or normal operating values to be subject. New and modified sources of toxic air contaminants must show that their emissions will cause a facility-wide cancer risk of  $< 1.0E-6$  and a non-cancer hazard index of  $< 0.1$ , unless they employ toxics best available control technology (TBACT). A facility-wide cancer risk equal to or greater than ten-in-a-million and/or a non-cancer hazard index equal to or greater than 1.0 are not allowed, unless the Air Toxics "Hot Spots" audit and reduction plan program is required along with public notification.

Response: There is no increase in potential to emit of any listed toxin, so this rule does not apply. Compliance is indicated.

**Rule 302, Schedule of Fees:**

Establishes the fee amounts for application filing, permit issuance, permit renewal, and various other actions. Filing fees are credited toward subsequent permit action fees.

Response: An evaluation fee will be charged based on the actual time spent to review the application and issue the Permit to Operate. A \$220.00 filing fee was submitted with the application. The existing fee categories are: one (1) count of miscellaneous equipment category 32 for the compressor, one (1) count of <300 bbl/day oil and gas equipment category 37 equipment fee, one (1) count of oil production vapor recovery category 38 equipment fee. Following the removal of the compressor and tank, the only remaining applicable fee will be one (1) count of category 37 for <300 bbl/day oil and gas equipment.

**Rule 401, Visible Emissions:**

This rule limits visible emissions to 20% opacity.

Response: Compliance has been demonstrated and is expected to continue.

**Rule 402, Nuisance.**

No source of air pollution is allowed to create a public nuisance.

Response: The facility has demonstrated that they can operate in this area without creating a public nuisance. Continued compliance is indicated.

**Rule 403, Particulate Emissions.**

Requires that particulate matter emissions not exceed 0.1 gr/dscf. A pound per hour limit is also included dependent upon the process throughput rate. PM emissions from fuel burning equipment is not to exceed 0.12 lb/mmBtu of fuel input.

Response: NA

**Rule 404, Sulfur Compounds Emission Standards, Limitations and Prohibitions:**

Limitations require that sulfur compound discharges must not exceed 0.2% (2,000 ppm) calculated as sulfur dioxide and that the sulfur content of gaseous and liquid fuels not exceed 50 gr/100 scf or 0.5% respectfully.

Response: The sulfur content of the field gas has been reported at less than 1ppm and are not vented or combusted in our County.

**Rule 405, Nitrogen Oxide Emission Standards, Limitations, and Prohibitions:**

Limits emissions to 140 lb/hr NO<sub>x</sub> for any new or modified stationary source.

Response: NA

**B. State Regulations**

**17 CCR 93116, Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater:**

Exhaust particulate controls are required for existing standby and prime use portable diesel engines. All engines must be either registered or permitted by 2006. With certain exceptions, all engines must meet either Tier 1, 2, or 3 emission standards by 2010. The exception is for emergency and low use (<200 hr/yr) portable engines, which may be used indefinitely. Phase-out schedule included for Tiers 1, 2, and 3. CARB certified fuel must be used.

Response: A condition is on the permit as a reference for compliance in the event that portable equipment is brought onsite. Compliance has been demonstrated.

**17 CCR 95665 et seq. Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities:**

Requirements are listed to reduce greenhouse gas emissions from oil and gas facilities pursuant to the California Global Warming Solutions Act of 2006 (Health & Safety Code, Sections 38500 et. seq.).

Response: Other oil and gas facility permits were revised in late 2019 to add a condition ensuring compliance with this regulation. The same condition will be added to the reissued Title V permit to correspond with the other oil and gas facilities. Leak detection and repair inspections using EPA Method 21 are conducted quarterly as required by section 95669, and reporting is conducted on an annual basis as required by section 95673. Compliance is indicated.

**C. Federal Regulations**

**40 CFR 82, Protection of Stratospheric Ozone:**

This regulation prohibits knowingly venting or releasing ozone-depleting and substitute refrigerants in the course of maintaining, servicing, repairing, or disposing of appliances or industrial process refrigeration<sup>2</sup>.

Response: No activities subject to this regulation are conducted in the SLO County portion of the facility, however a condition is on the permit to ensure compliance with the Stratospheric Ozone condition on the facility wide permit for SJVAPCD.

**40 CFR 61 Subpart M, National Emission Standard for Asbestos**

Requirements for the acceptance of asbestos waste are listed in 40CFR61.154, including signage and visible emissions.

Response: A general condition exists on the SJVAPCD permit (S-1141-0) to ensure compliance with this regulation should and demolition/renovation be conducted on the property. No condition of this nature is currently on the permit, however a condition will be added to align the permit with the SJVAPCD permit, as the facility is still required to comply with the Subpart.

**V. Emissions**

There is no increase in PTE, however emissions are demonstrated below for oil and gas processing operations.

**A. Oil and Gas Fugitive Emissions**

**Emissions per 2019 SLOAPCD Emissions Inventory:**

Wellhead fugitives and component fugitives:

The most recent emissions inventory demonstrates only 14 active wells in SLO County. Using an emission factor of 0.01 VOC lb/well-day<sup>3</sup> and 365 operating days, estimated wellhead emissions are about **51.1 lb VOC/year**.

Emissions from heavy oil fugitives through the valves and connectors are calculated using the Cal. Implementation Guidelines for Est. Mass Emissions of Fug. Hydrocarbon Leaks at Petrol. Facilities, Feb 1999, Table IV-2c. With 56 valves and 340 connectors operating year-round, and emission factors of 3.09 E-05 lb/hr/valve and 1.76E-05 lb/hr/connector, the estimated fugitive emissions from components are about **67.58 lb VOC/year**.

Total Emissions: 51.5 lb + 67.58 lb = **118.7 lb VOC/year = 0.059 tpy**

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<sup>2</sup>Protection of Stratospheric Ozone: Revisions to the Refrigerant Management Program's Extension to Substitutes (2018), <https://www.federalregister.gov/d/2018-21084>

<sup>3</sup>Emission factors from Technical Guidance Document, AB2588, Air Resources Board, (1989)



**Table 2:** Facility-wide (Cross-jurisdictional) Emissions from 2019 Calendar Year

District	Emissions in tons per year				
	NOx	VOC	CO	PM	SOx
SLOAPCD	0	0.059	0	0	0
SJVAPCD <sup>4</sup>	49.73	18.76	2.93	17.17	2.23
Totals	49.73	18.82	2.93	17.2	2.23

## VI. Conclusions/Recommendations

Compliance with all applicable rules and regulations is indicated. A notice of this proposed action will be published in the Tribune, and a 30-day public comment period will be conducted. A copy of the proposed revised permit and this staff report will be sent to EPA Region 9 via the Electronic Permitting System portal on the Central Data Exchange (CDX) for their 45-day review and comment period. After these comment periods are complete, a revised Title V permit is recommended to be issued for another five-year period.

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<sup>4</sup>2019 Emission Inventory Facility Totals for Facility S-1141, Chevron USA Inc. from SJVAPCD. See Appendix B.

## **VII. Appendix A: San Joaquin Valley APCD Facility-wide Permits**

**PERMIT NUMBER:** S-1141-0

**SECTION:** NA **TOWNSHIP:** NA **RANGE:** NA

**PERMIT TYPE:** PTO

**PERMIT MODIFICATION NUMBER:** 6

**EQUIPMENT DESCRIPTION:**

NA

## CONDITIONS

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1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)]. Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)]. Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0]. Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020]. Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1]. Federally Enforceable Through Title V Permit
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031]. Federally Enforceable Through Title V Permit
7. Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040]. Federally Enforceable Through Title V Permit

8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1]. Federally Enforceable Through Title V Permit
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rules 2520, 9.4.2; 4624; 4702, 6.2 and 17 CCR 93115]. Federally Enforceable Through Title V Permit
10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1]. Federally Enforceable Through Title V Permit
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0]. Federally Enforceable Through Title V Permit
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7]. Federally Enforceable Through Title V Permit
13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2]. Federally Enforceable Through Title V Permit
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3]. Federally Enforceable Through Title V Permit
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4]. Federally Enforceable Through Title V Permit
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5]. Federally Enforceable Through Title V Permit
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9]. Federally Enforceable Through Title V Permit
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1].

### Federally Enforceable Through Title V Permit

19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2]. Federally Enforceable Through Title V Permit
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3]. Federally Enforceable Through Title V Permit
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4]. Federally Enforceable Through Title V Permit
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05), by using EPA Method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)]. Federally Enforceable Through Title V Permit
23. No person shall manufacture, blend, repack, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1]. Federally Enforceable Through Title V Permit
24. All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4]. Federally Enforceable Through Title V Permit
25. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3]. Federally Enforceable Through Title V Permit
26. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0]. Federally Enforceable Through Title V Permit
27. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F]. Federally Enforceable Through Title V Permit
28. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B]. Federally Enforceable Through Title V Permit
29. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8021 and 8011]. Federally Enforceable Through Title V Permit

30. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8031 and 8011]. Federally Enforceable Through Title V Permit
31. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8041 and 8011]. Federally Enforceable Through Title V Permit
32. Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8051 and 8011]. Federally Enforceable Through Title V Permit
33. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8061 and 8011]. Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rules 8071 and 8011]. Federally Enforceable Through Title V Permit
35. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M]. Federally Enforceable Through Title V Permit
36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16]. Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2]. Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1]. Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A

permit shield is granted from these requirements. [District Rule 2520, 13.2]. Federally Enforceable Through Title V Permit

40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2]. Federally Enforceable Through Title V Permit

41. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

42. All permits for facilities S-1128, S-1129, S-1141, S-1549, and S-2592 are included in the Chevron USA Inc. Heavy Oil Western stationary source. [District Rule 2201]. Federally Enforceable Through Title V Permit

43. Facility shall comply with all applicable requirements regarding preparation and implementation of a risk management plan (RMP) by August 31, 1999, and shall abide by all applicable sections of 40 CFR Part 68. [40 CFR 68]. Federally Enforceable Through Title V Permit

44. The following units are subject to the facility's SLC plan: S-1141-392, S-1141-394, S-1141-396, S-1141-402, S-1141-516, S-1141-517, S-1141-529. [District Rule 2201]. Federally Enforceable Through Title V Permit

45. The reporting periods of the Report of Required monitoring and Compliance Certification Report begin November 30 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due on the 30 days after the end of the reporting period. If the due date falls on a day that the SJVAPCD is closed, they will be due on the next business day. [District Rule 2520]. Federally Enforceable Through Title V Permit

46. The following conditions which include category titles are only applicable to those permit units with conditions which reference the specific category title. [District Rule 2080]. Federally Enforceable Through Title V Permit

47. Steam Generator General Condition: Nitrogen oxide (NO<sub>x</sub>) emissions shall not exceed 140 lb/hr, calculated as NO<sub>2</sub>. [District Rule 4301, 5.2.2]. Federally Enforceable Through Title V Permit

48. Steam Generator General Condition: Particulate matter emissions shall not exceed 0.1 grain/dscf, 0.1 grain/dscf calculated to 12% CO<sub>2</sub>, nor 10 lb/hr. [District Rules 4201, 3.1 and 4301, 5.1 and 5.2.3]. Federally Enforceable Through Title V Permit

49. Steam Generator General Condition: Emissions of sulfur compounds from this unit shall not exceed 200 lb per hour, calculated as SO<sub>2</sub>. Compliance with this requirement may be demonstrated by firing the unit only on PUC or FERC regulated natural gas; or by testing the sulfur content of each fuel and determining the maximum hourly emissions of sulfur compounds by multiplying the sulfur content of each fuel in lb/MMBtu by the maximum heat input rating of the unit; or by source testing in combination with fuel analysis. [District Rule 2520, 9.3.2 and District Rule 4301, 5.2.1]. Federally Enforceable Through Title V Permit

50. Steam Generator General Condition: Start-up is defined as the period of time during which a unit is brought from a shutdown status to its operating temperature and pressure, including the time required by the unit's emission control system to reach full operation. Shutdown is defined as the period of time during which a unit is taken from an operational to a non-operational status by allowing it to cool down from its operating temperature to ambient temperature as the fuel supply to the unit is completely turned off. [District Rules 4306,

3.25 and 3.22; and 4320, 3.25 and 3.29]. Federally Enforceable Through Title V Permit

51. Steam Generator General Condition: Duration of start-up or shutdown shall not exceed two hours each per occurrence. [District Rules 4305, 5.5; 4306, 5.3; and 4320, 5.6]. Federally Enforceable Through Title V Permit

52. Steam Generator General Condition: Permittee shall maintain records of duration of each start-up and shutdown. [District Rules 4305, 6.1; 4306, 6.1.4; and 4320, 6.1.4]. Federally Enforceable Through Title V Permit

53. Steam Generator General Condition: Annual tests results submitted to the District from unit(s) representing a group of units may be used to demonstrate compliance with NOx or CO limits of this permit, provided the selection of the representative unit(s) is approved by the APCO prior to testing. Should any of the representative units exceed the required NOx or CO emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. [District Rules 2520, 9.3.2; 4305, 6.3.2; 4306, 6.3.2; and 4320, 6.3.2]. Federally Enforceable Through Title V Permit

54. Steam Generator General Condition: The following conditions must be met for representative unit(s) to be used to test for NOx or CO limits for a group of units: 1) all units are initially source tested and emissions from each unit in group are less than 90% of the permitted value and vary 25% or less from the average of all runs, 2) all units in group are similar in terms of rated heat input (rating not to exceed 100 MMBtu/hr), make and series, operation conditions, and control method, and 3) the group is owned by a single owner and located at a single stationary source. [District Rules 2520, 9.3.2; 4305, 6.3.2; and 4320 6.3.2]. Federally Enforceable Through Title V Permit

55. Steam Generator General Condition: All units in a group for which representative units are source for NOx or CO emissions shall have received the same maintenance and tune-up procedures as the representative unit (s). These tune-up procedures shall be completed according to District Rule 4304 (Adopted October 19, 1995) and tune-up test results shall show comparable results for each unit in the group. Records shall be maintained for each unit of the group including all preventative and corrective maintenance work done. [District Rules 2520, 9.3.2; 4305, 6.3.2; 4306, 6.3.2 and 4320, 6.3.2]. Federally Enforceable Through Title V Permit

56. Steam Generator General Condition: All units in a group for which representative units are source tested for NOx or CO emissions of this permit shall be fired on the same fuel type during the entire compliance period. If a unit switches for any time to an alternate fuel type (e.g. from natural gas to oil) then that unit shall not be considered part of the group and shall be required to undergo a source test for all fuel types used, within one year of the switch. [District Rules 2520, 9.3.2; 4305, 6.3.2; 4306, 6.3.2; and 4320, 6.3.2]. Federally Enforceable Through Title V Permit

57. Steam Generator General Condition: The number of representative units source tested for NOx emissions shall be at least 30% of the total number of units in the group. The units included in the 30% shall be rotated, so that in 3 years, all units in the entire group will have been tested at least once. [District Rules 2520, 9.3.2; 4305, 6.3.2; 4306, 6.3.2 and 4320, 6.3.2]. Federally Enforceable Through Title V Permit

58. Steam Generator General Condition: Pursuant to Rule 4320, beginning in 2010 the operator shall pay an annual emission fee to the District for NOx emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NOx emission limit listed in Rule 4320. [District Rule 4320]. Federally Enforceable Through Title V Permit

59. Steam Generator General Condition: Permittee shall maintain records of annual heat input (MMBtu) for this unit on a calendar year basis. Such records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and Rule 4320]. Federally Enforceable Through Title V Permit



60. Steam Generator Fuel Monitoring Condition: When complying with sulfur emission limits by fuel analysis or by a combination of source testing and fuel analysis, each fuel source shall be tested weekly for sulfur content and higher heating value. If compliance with the fuel sulfur content limit and sulfur emission limits has been demonstrated for 8 consecutive weeks for a fuel source, then the fuel testing frequency shall be semi-annually. If a semi-annual fuel content source test fails to show compliance, weekly testing shall resume. [District Rule 2520, 9.3.2]. Federally Enforceable Through Title V Permit

61. Steam Generator Fuel Monitoring Condition: When complying with SO<sub>x</sub> emission limits by testing of stack emissions, testing shall be performed not less than once every 12 months using test methods specified in "Steam Generator - Source Testing Conditions". Gaseous fuel fired units demonstrating compliance on two consecutive annual source tests shall be tested not less than once every thirty-six months; however, annual source testing shall resume if any test fails to show compliance. [District Rule 2520, 9.3.2]. Federally Enforceable Through Title V Permit

62. Steam Generator Fuel Monitoring Condition: If the unit is fired on noncertified gaseous fuel and compliance with SO<sub>x</sub> emission limits is achieved through fuel sulfur content limitations, then the sulfur content of the gaseous fuel being fired in the unit shall be determined using "Steam Generator - Source Testing Conditions". [District Rule 2520, 9.3.2]. Federally Enforceable Through Title V Permit

63. Steam Generator Fuel Monitoring Condition: If fuel analysis is used to demonstrate compliance with conditions of this permit, the fuel higher heating value for each fuel shall be certified by a third party fuel supplier or determined by methods specified in "Steam Generator - Source Testing Conditions". [District Rules 2520, 9.3.2; 4305, 6.2.1 and 4320, 6.2.1]. Federally Enforceable Through Title V Permit

64. Steam Generator Fuel Monitoring Condition: Copies of all fuel invoices, gas purchase contract, supplier certifications, and test results used to determine compliance with the conditions of this permit shall be maintained. The operator shall record daily amount and type(s) of fuel(s) combusted and all dates on which unit is fired on any noncertified fuel. [District Rule 2520, 9.4.2 and 40 CFR 60.48c(g)]. Federally Enforceable Through Title V Permit

65. Steam Generator Fuel Monitoring Condition: Compliance with SO<sub>x</sub> emission limits shall be demonstrated by fuel gas sulfur contents analysis at the time of NO<sub>x</sub> testing, except for units fired on natural gas purchased from a PUC regulated utility or operated with flue gas scrubber. [District Rule 1081]. Federally Enforceable Through Title V Permit

66. Steam Generator Source Testing Condition: All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306. [District Rules 4305, 5.5.2; 4306, 5.5.2; and 4320, 5.8.2]. Federally Enforceable Through Title V Permit

67. Steam Generator Source Testing Condition: The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 5.5.1; 4306, 5.5.1; and 4320, 5.8.1]. Federally Enforceable Through Title V Permit

68. Steam Generator Source Testing Condition: For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305, 5.5.5; 4306, 5.5.5; and 4320, 5.8.5]. Federally Enforceable Through Title V Permit

69. Steam Generator Source Testing Condition: The results of each source test shall be submitted to the

District within 60 days thereafter. [District Rule 1081]. Federally Enforceable Through Title V Permit

70. Steam Generator Source Testing Condition: Source testing to measure NO<sub>x</sub> and CO emissions from this unit while fired on natural gas shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305, 6.3.1; 4306, 6.3.1; and 4320, 6.3.1]. Federally Enforceable Through Title V Permit

71. Steam Generator Source Testing Condition: Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081]. Federally Enforceable Through Title V Permit

72. Steam Generator Source Testing Condition: Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081]. Federally Enforceable Through Title V Permit

73. Steam Generator Source Testing Condition: Exhaust gas stack shall be equipped with adequate provisions facilitating the collection of gas samples consistent with EPA Test Methods or as approved by APCO. [District Rules 1081, and 2201]. Federally Enforceable Through Title V Permit

74. Steam Generator Source Testing Condition: The following test methods shall be used (or other methods as approved by the District): NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, NO<sub>x</sub> (lb/MMBtu) - EPA Method 19; CO (ppmv) - EPA Method 10 or ARB Method 100; SO<sub>x</sub> (lb/MMBtu) - EPA Method 6, 6C, 8 or ARB Method 100; Stack Gas Oxygen - EPA Method 3 or 3A or ARB Method 100; Stack Gas Velocity (ft/min) - EPA Method 2; Stack Gas Volume Flow (cfm) - EPA Method 19; Stack Gas Moisture Content (%) - EPA Method 4; Fuel Gas Sulfur Content - EPA Method 11 or EPA Method 15 or ASTM D6288, D1072, D3031, D4084, D3246, or grab sample analysis by double GC; Fuel Gas hhv - ASTM D1826 or D1945 in conjunction with ASTM D3588; PM<sub>10</sub> (lb/scf) - EPA Methods 5 (front half), 201A, and/or 202, CARB Method 5, or any combination of these PM<sub>10</sub> methods. [District Rules 4305, 6.2; 4306, 6.2 and 4320, 6.2.1]. Federally Enforceable Through Title V Permit

75. Steam Generator Periodic Monitoring Condition: The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305, 5.4.2; 4306, 5.4.2; and 4320, 5.7.2]. Federally Enforceable Through Title V Permit

76. Steam Generator Periodic Monitoring Condition: If either the NO<sub>x</sub> or CO concentrations corrected to 3% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305, 5.4.2; 4306, 5.4.2; and 4320, 5.7.2]. Federally Enforceable Through Title V Permit

77. Steam Generator Periodic Monitoring Condition: All alternate monitoring parameter emission readings

shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 5.4.2 and 5.5.4; 4306, 5.4.2 and 5.5.4; and 4320, 5.7.2 and 5.8.4]. Federally Enforceable Through Title V Permit

78. Steam Generator Periodic Monitoring Condition: The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 3% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305, 5.4.2; 4306, 5.4.2; and 4320, 5.7.2]. Federally Enforceable Through Title V Permit

79. Heavy Oil Tank Inspection and Maintenance: Flanges shall be monitored with portable hydrocarbon detection instrument along the entire circumference of the flange-gasket interface. Threaded connections, tubing fittings, and other types of non-permanent joints shall be monitored along the entire circumference of joint interface. [District Rule 2201]. Federally Enforceable Through Title V Permit

80. Heavy Oil Tank Inspection and Maintenance: All other components such as diaphragms, dump arms, instruments, meters shall be monitored at all points of possible emissions. [District Rule 2201]. Federally Enforceable Through Title V Permit

81. Heavy Oil Tank Inspection and Maintenance: In addition to the requirements above, pressure relief devices shall be inspected and monitored for leaks within 3 days of any known, likely, or suspected venting of such devices. [District Rule 2201]. Federally Enforceable Through Title V Permit

82. Heavy Oil Tank Inspection and Maintenance: Portable hydrocarbon detection instrument shall be operated and calibrated in accordance with recommendations in CAPCOA California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities (Feb 1999). [District Rule 2201]. Federally Enforceable Through Title V Permit

83. Heavy Oil Tank Inspection and Maintenance: Valves shall be monitored with portable hydrocarbon detection instrument where the stem comes through the packing gland, and at any attached or connected body flange(s), bonnet flange(s), or plug(s). [District Rule 2201]. Federally Enforceable Through Title V Permit

84. Heavy Oil Tank Inspection and Maintenance: All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2050, 9.3.2]. Federally Enforceable Through Title V Permit

85. Heavy Oil Tank Inspection and Maintenance: Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next

process unit turnaround. [District Rule 2520, 9.3.2]. Federally Enforceable Through Title V Permit

86. Heavy Oil Tank Inspection and Maintenance: A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2]. Federally Enforceable Through Title V Permit

87. Heavy Oil Tank Inspection and Maintenance: An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2]. Federally Enforceable Through Title V Permit

88. Heavy Oil Tank Inspection and Maintenance: Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 95 percent efficient as measured by EPA Method 18 or 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 95% control efficiency as measured by EPA Method 18 or 25 at least annually. [District Rule 2520, 9.3.2]. Federally Enforceable Through Title V Permit

89. Heavy Oil Tank Inspection and Maintenance: Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2]. Federally Enforceable Through Title V Permit

90. Heavy Oil Tank Inspection and Maintenance: If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2]. Federally Enforceable Through Title V Permit

91. Heavy Oil Tank Inspection and Maintenance: A leak free condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 2201]. Federally Enforceable Through Title V Permit

92. Heavy Oil Tank Cleaning Condition: Operator shall notify the District in writing at least 72 hours prior to performing tank degassing and interior tank cleaning activities. Written notification shall include the following information: (1) The PTO number and physical location of the tank being degassed, (2) The date and time that tank degassing and cleaning activities will begin, (3) The degassing method, as allowed in this permit, to be used, and (4) The method to be used to clean the tank, including any solvents to be used. [District Rule 2080]. Federally Enforceable Through Title V Permit

93. Heavy Oil Tank Cleaning Condition: To facilitate connection to an external APCO-approved vapor recovery system a suitable tank fitting, such as a manway, may be temporarily removed for a period of time not to exceed 1 hour. [District Rule 2080]. Federally Enforceable Through Title V Permit

94. Heavy Oil Tank Cleaning Condition: During degassing, the operator shall discharge or displace organic vapors contained in the tank vapor space to an APCO-approved vapor recovery system that is leak-free and

achieves at least 95% control of inlet VOC emissions. [District Rule 2080]. Federally Enforceable Through Title V Permit

95. Heavy Oil Tank Cleaning Condition: Permittee shall conduct tank cleaning and maintenance operations in accordance with District approved procedures as described in this permit. [District Rule 2080]. Federally Enforceable Through Title V Permit

96. Heavy Oil Tank Cleaning Condition: When storing organic liquid of TVP less than 0.5 psia, prior to returning the tank to normal operation, the tank vapor control system shall either be reactivated and the pressure/relief valves closed, or the tank shall be filled to the maximum possible level with water, inert gas, or a liquid with a TVP less than 0.5 psia and the tank vapor control system shall be reactivated and pressure/relief valves closed, and the liquid level shall then be adjusted as necessary. [District Rule 2080]. Federally Enforceable Through Title V Permit

97. Heavy Oil Tank Cleaning Condition: Prior to opening the tank to allow tank cleaning, one of the following degassing procedures must be followed: 1) Exhaust VOCs contained in the tank vapor space to an APCO-approved vapor recovery system until the organic vapor concentration is 5,000 ppmv or less, or is 10 percent or less of the lower explosion limit (LEL), whichever is less; or 2) Displace VOCs contained in the tank vapor space to an APCO-approved vapor recovery system by filling the tank with a suitable liquid until 90 percent or more of the maximum operating level of the tank is filled. Suitable liquids are organic liquids having a TVP of less than 0.5 psia, water, clean produced water, or produced water derived from crude oil having a TVP less than 0.5 psia; or 3) Displace VOCs contained in the tank vapor space to an APCO-approved vapor recovery system by filling the tank with a suitable gas. Degassing shall continue until the operator has achieved a vapor displacement equivalent to at least 2.3 times the tank capacity. Suitable gases are air, nitrogen, carbon dioxide, or natural gas containing less than 10 percent VOC by weight; 4) For free-water knockout tanks, the operator may degas the tank vapor space by restricting the outflow of water and floating off the oilpad, such that at least 90 percent of the tank volume is displaced; or 5) operate the vapor recovery system for at least 24 hours after all the liquid in the tank has been drained. [District Rule 2080]. Federally Enforceable Through Title V Permit

98. Heavy Oil Tank Cleaning Condition: Prior to reintroducing crude oil/water to the tank, the tank shall be filled to the maximum possible level with water, the tank vapor control system shall be reactivated and pressure/relief valves closed, and the liquid level shall be adjusted as necessary. [District Rule 2080]. Federally Enforceable Through Title V Permit

99. Heavy Oil Tank Cleaning Condition: Steam cleaning shall be allowed only during December through March, or at locations where wastewater treatment facilities are limited. [District Rule 2080]. Federally Enforceable Through Title V Permit

100. Heavy Oil Tank Cleaning Condition: Tank may be disconnected from vapor control system during District approved cleaning and maintenance procedures as described in this permit. [District Rule 2080]. Federally Enforceable Through Title V Permit

101. Heavy Oil Tank Cleaning Condition: This permit authorizes tank cleaning that is not the result of breakdowns or poor maintenance as a routine maintenance activity. [District Rule 2080]. Federally Enforceable Through Title V Permit

102. Heavy Oil Tank Cleaning Condition: While performing tank cleaning activities, operators may use the following cleaning agents: clean (produced) water, diesel, solvents with an initial boiling point of greater than 302F, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams per liter VOC content or less. The tank sediment may be used for road mix as allowed by Section 6.17 of District Rule 2020. [District Rule 2080]. Federally Enforceable Through Title V Permit

103. Heavy Oil Tank Cleaning Condition: Within 48 hours after refilling the tank with crude oil/water, the

pressure relief valve seats and hatch seals shall be inspected for leaks using EPA method 21 and the regular tank maintenance and inspection program shall resume. [District Rule 2080]. Federally Enforceable Through Title V Permit

104. Heavy Oil Tank Testing Condition: Permittee shall submit the records of TVP and API gravity testing to the APCO within 45 days after the date of testing. The records shall include the tank identification number, Permit to Operate number, type of stored organic liquid, TVP and API gravity of the organic liquid, test methods used, and a copy of the test results. [District Rule 4623, 6.3.6]. Federally Enforceable Through Title V Permit

105. Heavy Oil Tank Testing Condition: Permittee shall conduct true vapor pressure (TVP) testing of the organic liquid stored in this tank, or representative tank as provided in District Rule 4623, at least once every 24 months during summer (July - September), and/or whenever there is a change in the source or type of organic liquid stored in this tank in order to maintain exemption from the rule. [District Rule 4623, 6.2.1.1]. Federally Enforceable Through Title V Permit

106. Heavy Oil Tank Testing Condition: Operator shall conduct quarterly sampling from the tank vapor recovery system to qualify for exemption from fugitive component counts for components handling fluids with less than 10% VOC by weight. If fluids sampled are less than 10% VOC by weight for 8 consecutive quarterly samplings, sampling frequency shall only be required annually. Such sampling is deemed representative of all components downstream of the equipment served by the vapor control system. [District Rule 2201]. Federally Enforceable Through Title V Permit

107. Heavy Oil Tank Testing Condition: VOC content of vapor shall be determined by ASTM D1945, ASTM D1946, EPA Method 18 referenced as methane, or equivalent test method with prior District approval. [District Rule 2201]. Federally Enforceable Through Title V Permit

108. Heavy Oil Tank Testing Condition: The API gravity of crude oil or petroleum distillate shall be determined by using ASTM method D 287-92 "Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method)". Sampling for API gravity shall be performed in accordance with ASTM Method D-4057-95 "Standard Practices for manual Sampling of Petroleum and Petroleum Products". [District Rule 4623, 6.4.2]. Federally Enforceable Through Title V Permit

109. Heavy Oil Tank Testing Condition: For crude oil with an API gravity of 26 degrees or less, the TVP shall be determined using the latest version of the Lawrence Berkeley National Laboratory " Test Method for Vapor Pressure of Reactive Organic Compounds in Heavy Crude Oil Using Gas Chromatograph", as approved by ARB and EPA. [District Rule 4623, 6.4.4]. Federally Enforceable Through Title V Permit

110. Heavy Oil Tank Testing Condition: Instead of testing each uncontrolled fixed roof tank, the permittee may conduct a TVP test of the organic liquid stored in a representative tank provided the requirements of Sections 6.2.1.1.1 through 6.2.1.1.5 of Rule 4623 are met. [District Rule 4623, 6.2.1.1]. Federally Enforceable Through Title V Permit

111. Heavy Oil Tank Testing Condition: The TVP testing shall be conducted at actual storage temperature of the organic liquid in the tank. The permittee shall also conduct API gravity testing. [District Rule 4623, 6.2.1.2]. Federally Enforceable Through Title V Permit

112. Heavy Oil Tank Testing Condition: The permittee shall keep accurate records of vapor VOC concentration, API gravity, true vapor pressure, storage temperature and types of liquids stored. [District Rule 2201 and District Rule 4623, 6.3]. Federally Enforceable Through Title V Permit

113. Casing Collection System Conditions: The crude oil production from wells associated with this permit unit shall not lie within 1000 feet of an air injection well used for in-situ combustion. [District Rule 4401, 2.0,

3.4, and 3.5]. Federally Enforceable Through Title V Permit

114. Casing Collection System Condition: An operator shall not operate a steam-enhanced crude oil production well unless the operator complies with either of the following requirements: 1) The steam-enhanced crude oil production well vent is closed and the front line production equipment downstream of the wells that carry produced fluids (crude oil or mixture of crude oil and water) is connected to a VOC collection and control system. The well vent may be temporarily opened during periods of attended service or repair of the well provided such activity is done as expeditiously as possible with minimal spillage of material and VOC emissions to the atmosphere, or 2) The steam-enhanced crude oil production well vent is open and the well vent is connected to a VOC collection and control system. [District Rule 4401, 5.1]. Federally Enforceable Through Title V Permit

115. Casing Collection System Conditions: Permittee shall install and maintain an APCO-approved VOC collection and control system that is not open to the atmosphere and that is composed of hard-piping, ductwork connections and, if necessary, flow inducing devices that transport gas or vapor from a piece or pieces of equipment to an APCO-approved control device that has a VOC destruction or removal efficiency of at least 99%, or that transports gases or vapors back to a process system. [District Rules 2201 and 4401, 5.1]. Federally Enforceable Through Title V Permit

116. Casing Collection System Conditions: During the time any steam-enhanced crude oil production well is undergoing service or repair while the well is not producing, it shall be exempt from the emission control requirements of District Rule 4401, 5.0. [District Rule 4401, 4.1]. Federally Enforceable Through Title V Permit

117. Casing Collection System Conditions: The permittee shall not use any components that leak in excess of the applicable leak standards as specified in this permit. Components that have been found leaking in excess of the applicable leak standards of this rule may be used provided such leaking components have been identified with a tag for repair, are repaired, or are awaiting re-inspection after being repaired, within the applicable time period specified in this permit. [District Rule 4401, 5.3.1]. Federally Enforceable Through Title V Permit

118. Casing Collection System Conditions: Permittee shall maintain a copy of the latest APCO-approved Operator Management Plan (OMP) at the facility and make it available to the APCO, ARB, and US EPA upon request. [District Rule 4401, 6.1]. Federally Enforceable Through Title V Permit

119. Casing Collection System Conditions: By January 30 of each year, permittee shall submit to the APCO for approval, in writing, an annual report indicating any changes to the existing, approved OMP. [District Rule 4401, 6.7]. Federally Enforceable Through Title V Permit

120. Casing Collection System Conditions: In accordance with the approved OMP, permittee shall meet all applicable operating, leak standards, inspection and re-inspection, leak repair, record keeping, and notification requirements of Rule 4401. [District Rule 4401, 6.6]. Federally Enforceable Through Title V Permit

121. Casing Collection System Conditions: A gas leak is defined as the detection of a concentration of total organic compounds, above background (measured in accordance with EPA Method 21) that exceeds the following values: 1) A major gas leak is a detection of greater than 10,000 ppmv as methane; and 2) A minor gas leak is a detection of 400 to 10,000 ppmv as methane for pressure relief devices (PRDs) and 2,000 to 10,000 for components other than PRDs. [District Rule 4401, 3.20]. Federally Enforceable Through Title V Permit

122. Casing Collection System Conditions: A liquid leak is defined as the dripping of VOC-containing liquid. A major liquid leak is a visible mist or a continuous flow of liquid that is not seal lubricant. A minor liquid leak is a liquid leak that is not a major liquid leak and drips liquid at a rate of more than three drops per minute, except for seal lubricant. [District Rule 4401, 3.20]. Federally Enforceable Through Title V Permit

123. Casing Collection System Conditions: During District compliance inspection, the following conditions shall be used to determination of a violation: 1) Existence of an open-ended line or a valve located at the end of the line that is not sealed with a blind flange, plug, cap, or a second closed valve that is not closed at all times, except during attended operations requiring process fluid flow through the open-ended lines. Attended operations include draining or degassing operations, connection of temporary process equipment, sampling of process streams, emergency venting, and other normal operational needs, provided such operations are done as expeditiously as possible and with minimal spillage of material and VOC emissions to the atmosphere; 2) Existence of a component with a major liquid leak; 3) Existence of a component with a gas leak greater than 50,000 ppmv; or 4) Existence of a component leak consisting of a minor liquid or gas leak, or a gas leak greater than 10,000 ppmv up to 50,000 ppmv, in excess of the allowable number of leaks specified in Table 2 of Rule 4401. [District Rule 4401, 5.2.2]. Federally Enforceable Through Title V Permit

124. Casing Collection System Conditions: Permittee shall keep all hatches closed at all times except during sampling or adding of process material through the hatch, or during attended repair, replacement, or maintenance operations, provided such activities are done as expeditiously as possible with minimal spillage of material and VOC emissions to the atmosphere. [District Rule 4401, 5.3.2]. Federally Enforceable Through Title V Permit

125. Casing Collection System Conditions: Except for pipes and unsafe-to-monitor components, permittee shall visually inspect all pipes at least once every year. Any visual inspection of pipes that indicates a leak that cannot be immediately repaired to meet the leak standards of Rule 4401 shall be inspected within 24 hours after detecting the leak. If a leak is found, the leak shall be repaired as soon as practicable but not later than the time frame specified in Table 3 of Rule 4401. [District Rule 4401, 5.4.1 & 5.4.2]. Federally Enforceable Through Title V Permit

126. Casing Collection System Conditions: Permittee shall inspect all unsafe-to-monitor components during each turnaround. [District Rule 4401, 5.4.5]. Federally Enforceable Through Title V Permit

127. Casing Collection System Conditions: Permittee shall inspect audio-visually (by hearing and by sight) for leaks all accessible operating pumps, compressors, and pressure relief devices (PRDs) in service at least once each calendar week. [District Rule 4401, 5.4.3.1]. Federally Enforceable Through Title V Permit

128. Casing Collection System Conditions: Any audio-visual inspection of an accessible operating pump, compressor, and PRD performed by an operator that indicates a leak that cannot be immediately repaired to meet the leak standards of Rule 4401 shall be inspected not later than 24 hours after conducting the audio-visual inspection. If a leak is found, the leak shall be repaired as soon as practicable but not later than the time frame specified in Table 3 of Rule 4401. [District Rule 4401, 5.4.3.2]. Federally Enforceable Through Title V Permit

129. Casing Collection System Conditions: Permittee shall initially inspect a PRD that releases to the atmosphere as soon as practicable but not later than 24 hours after the discovery of the release. Permittee shall re-inspect the PRD not earlier than 24 hours after the initial inspection but not later than 15 calendar days after the initial inspection. [District Rule 4401, 5.4.4.1]. Federally Enforceable Through Title V Permit

130. Casing Collection System Condition: Permittee shall inspect all new, replaced, or repaired fittings, flanges, and threaded connections within 72 hours of placing the component in service. [District Rule 4401, 5.4.4.2]. Federally Enforceable Through Title V Permit

131. Casing Collection System Conditions: Except for PRDs, permittee shall inspect a component that has been repaired or replaced not later than 15 calendar days after the component was repaired or replaced. [District Rule 4401, 5.4.4.3]. Federally Enforceable Through Title V Permit



132. Casing Collection System Conditions: Permittee shall affix a readily visible weatherproof tag to a leaking component upon detection of the leak. The following information shall be included on the tag: 1) the date and time of leak detection; 2) the date and time of leak measurement; 3) leak concentration in ppmv for a gaseous leak; 4) description of whether it is a major liquid leak or a minor liquid leak; and 5) whether the component is an essential component, an unsafe-to-monitor component, or a critical component. [District Rule 4401, 5.5.1]. Federally Enforceable Through Title V Permit

133. Casing Collection System Conditions: Permittee shall keep the tag affixed to the component until all of the following conditions have been met: 1) the leaking component has been repaired or replaced, and 2) the component has been re-inspected using the test methods described in this permit; and 3) the component is found to be in compliance with the requirements of Rule 4401. [District Rule 4401, 5.5.2]. Federally Enforceable Through Title V Permit

134. Casing Collection System Conditions: Permittee shall minimize a component leak in order to stop or reduce leakage to the atmosphere immediately to the extent possible, but not later than one (1) hour after detection of the leak. [District Rule 4401, 5.5.3]. Federally Enforceable Through Title V Permit

135. Casing Collection System Conditions: Except for leaking critical components or leaking essential components, if the operator has minimized a leak but the leak still exceeds the applicable leak limits, the operator shall comply with at least one of the following requirements as soon as practicable but not later than the time period specified in Table 3 of Rule 4401: 1) repair or replace the leaking component; 2) vent the leaking component to a VOC collection and control system; or 3) remove the leaking component from operation. [District Rule 4401, 5.5.4]. Federally Enforceable Through Title V Permit

136. Casing Collection System Conditions: The leak rate, measured after leak minimization has been performed, shall be used to determine the applicable repair period specified in Table 3 of Rule 4401 and the time of initial leak detection shall be the start of the repair period specified in Table 3 of Rule 4401. [District Rule 4401, 5.5.5]. Federally Enforceable Through Title V Permit

137. Casing Collection System Conditions: If the leaking component is an essential component or a critical component that cannot be immediately shut down for repairs, and if the leak has been minimized but the leak still exceeds the applicable leak standard of this rule, the operator shall repair or replace the essential component or critical component to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection, whichever comes earlier. [District Rule 4401, 5.5.7]. Federally Enforceable Through Title V Permit

138. Casing Collection System Conditions: Permittee shall maintain an inspection log in which, at a minimum, all of the following information shall be recorded for each inspection performed: 1) The total number of components inspected, and the total number and percentage of leaking components found by component type; 2) The location, type, and name or description of each leaking component and description of any unit where the leaking component is found; 3) The date of leak detection and the method of leak detection; 4) For gaseous leaks, the leak concentration in ppmv, and for liquid leaks record whether the leak is a major liquid leak or a minor liquid leak; 5) The date of repair, replacement, or removal from operation of leaking components; 6) The identity and location of essential components and critical components found leaking that cannot be repaired until the next process unit turnaround or not later than one year after leak detection, whichever comes earlier; 7) The methods used to minimize the leak from essential components and critical components found leaking that cannot be repaired until the next process unit turnaround or not later than one year after leak detection, whichever comes earlier; 8) The date of re-inspection and the leak concentration in ppmv after the component is repaired or is replaced; 9) The inspector's name, business mailing address, and business telephone number; and 10) The date and signature of the facility operator responsible for the inspection and repair program certifying the accuracy of the information recorded in the log. [District Rule 4401, 6.4]. Federally Enforceable Through Title V Permit

139. Casing Collection System Conditions: Permittee shall perform leak inspections at least annually, using a portable hydrocarbon detection instrument in accordance with USEPA Method 21. Where safety is a concern, such as measuring leaks from compressor seals or pump seals when the shaft is rotating, a person shall measure leaks by placing the instrument probe inlet at a distance of one centimeter or less from the surface of the component interface. [District Rule 4401, 6.3.3]. Federally Enforceable Through Title V Permit

140. Casing Collection System Conditions: Annual control efficiency compliance tests shall be performed by source testers certified by the California Air Resource Board (CARB) on all vapor collection and control systems used to control emissions from steam-enhanced crude oil production wells. Testing shall be performed during June, July, August, or September of each year if the system's control efficiency is dependent upon ambient air temperature. The APCO may waive these source testing requirements if the vapor control system does not exhaust to atmosphere, or if all uncondensed VOC emissions collected by the vapor collection and control system are incinerated in fuel burning equipment, an internal combustion engine, or in a smokeless flare. [District Rule 4401, 6.2.1 & 6.2.2]. Federally Enforceable Through Title V Permit

141. Casing Collection System Conditions: The control efficiency of any VOC control device, measured and calculated as carbon, shall be determined by EPA Method 25, except when the outlet concentration must be below 50 ppm in order to meet the standard, in which case EPA Method 25a may be used. EPA Method 18 may be used in lieu of EPA Method 25 or EPA Method 25a provided the identity and approximate concentrations of the analytes/compounds in the sample gas stream are known before analysis with the gas chromatograph and the gas chromatograph is calibrated for each of those known analyte/compound to ensure that the VOC concentrations are neither under- or over-reported. [District Rule 4401, 6.3.1]. Federally Enforceable Through Title V Permit

142. Casing Collection System Conditions: VOC content shall be determined using ASTM Method E168, E169, or E260 as applicable. Halogenated exempt compounds shall be determined by ARB Method 432. [District Rule 4401, 6.3.2]. Federally Enforceable Through Title V Permit

143. Casing Collection System Conditions: VOC content by weight percent (wt.%) shall be determined using American Society of Testing and Materials (ASTM) D1945 for gases and South Coast Air Quality Management District (SCAQMD) Method 304-91 or the latest revision of ASTM Method E168, E169 or E260 for liquids. [District Rule 4401, 6.3.4]. Federally Enforceable Through Title V Permit

144. Casing Collection System Conditions: Permittee shall establish and implement an employee training program for inspecting and repairing components and recordkeeping procedures, as necessary. Permittee shall maintain at the facility the copies of the training records of the training program. [District Rule 4401, 6.1.6 & 6.5]. Federally Enforceable Through Title V Permit

145. Casing Collection System Conditions: Unless the source testing requirement is waived by the District, permittee shall maintain source test records which show that the control efficiency requirements of the VOC collection and control system have been satisfied. [District Rule 4401, 6.1.3]. Federally Enforceable Through Title V Permit

146. Casing Collection System Conditions: Permittee shall maintain monitoring records of the date and well identification where steam injection or well stimulation occurs. [District Rule 4401, 6.1.1]. Federally Enforceable Through Title V Permit

147. Casing Collection System Conditions: Records shall be maintained of each calibration of the portable hydrocarbon detection instrument utilized for inspecting components. The records shall include a copy of the current calibration gas certification from the vendor of the calibration gas cylinder, the date of calibration, the concentration of calibration gas, the instrument reading of calibration gas before adjustment, the instrument reading of calibration gas after adjustment, the calibration gas expiration date, and the calibration gas cylinder pressure at the time of calibration. [District Rule 4401, 6.1.5]. Federally Enforceable Through Title V Permit

148. Emergency Standby IC Engine Condition: Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1]. Federally Enforceable Through Title V Permit
149. Emergency Standby IC Engine Condition: This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 5.9.4 and 17 CCR 93115]. Federally Enforceable Through Title V Permit
150. Emergency Standby IC Engine Condition: This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 5.9.2]. Federally Enforceable Through Title V Permit
151. Emergency Standby IC Engine Condition: Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]. Federally Enforceable Through Title V Permit
152. Emergency Standby IC Engine Condition: During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702, 5.9.3]. Federally Enforceable Through Title V Permit
153. Emergency Standby IC Engine Condition: The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.), and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 4702, 6.2.3 and 2520, 9.4.2 and 17 CCR 93115]. Federally Enforceable Through Title V Permit
154. Emergency Standby IC Engine Condition: The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.4.2 and 17 CCR 93115]. Federally Enforceable Through Title V Permit

**PERMIT NUMBER:** S-1141-214

**SECTION:** SE31 **TOWNSHIP:** 31S **RANGE:** 23E

**PERMIT TYPE:** PTO

**PERMIT MODIFICATION NUMBER:** 5

**EQUIPMENT DESCRIPTION:**

840,000 GALLON FIXED ROOF PETROLEUM STORAGE TANK #T-7

## CONDITIONS

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1. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2]. Federally Enforceable Through Title V Permit
2. The requirements of 40CFR 60 Subpart K, Ka and Kb do not apply to this source. A permit shield is granted from these requirements. [District Rule 2520, 13.2]. Federally Enforceable Through Title V Permit
3. This tank shall only store, place, or hold organic liquid with a true vapor pressure (TVP) of less than 0.5 psia under all storage conditions. [District Rule 4623]. Federally Enforceable Through Title V Permit
4. This unit is subject to Heavy Oil Tank Testing Conditions on the facility wide permit S-1141-0. [District Rule 4623]. Federally Enforceable Through Title V Permit

**PERMIT NUMBER:** S-1141-215

**SECTION:** SE31 **TOWNSHIP:** 31S **RANGE:** 23E

**PERMIT TYPE:** PTO

**PERMIT MODIFICATION NUMBER:** 5

**EQUIPMENT DESCRIPTION:**

840,000 GALLONS FIXED ROOF PETROLEUM STORAGE TANK #T-6

## CONDITIONS

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1. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2]. Federally Enforceable Through Title V Permit
2. The requirements of 40CFR 60 Subpart K, Ka and Kb do not apply to this source. A permit shield is granted from these requirements. [District Rule 2520, 13.2]. Federally Enforceable Through Title V Permit
3. This tank shall only store, place, or hold organic liquid with a true vapor pressure (TVP) of less than 0.5 psia under all storage conditions. [District Rule 4623]. Federally Enforceable Through Title V Permit
4. This unit is subject to Heavy Oil Tank Testing Conditions on the facility wide permit S-1141-0. [District Rule 4623]. Federally Enforceable Through Title V Permit

**PERMIT NUMBER:** S-1141-385

**SECTION:** SE31 **TOWNSHIP:** 31S **RANGE:** 23E

**PERMIT TYPE:** PTO

**PERMIT MODIFICATION NUMBER:** 7

**EQUIPMENT DESCRIPTION:**

HEAVY CRUDE OIL TRUCK LOADING/UNLOADING OPERATION (TRUCK LACT #1) WITH VAPOR CONTROL INCLUDING TWO BOTTOM LOADING ARMS WITH CAMLOCK FITTINGS AND TWO VAPOR RETURN LINES WITH CAMLOCK FITTINGS

## CONDITIONS

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1. True vapor pressure (TVP) of all transferred crude oil shall be less than 1.5 psia, or less if tanks receiving the crude oil have a TVP limit of 0.5 psia pursuant to District Rules 2201 or 4623. [District Rule 4624, 4.3]. Federally Enforceable Through Title V Permit
2. Vapor recovery hoses shall be connected to the truck whenever crude oil is being transferred into truck. Vapor recovery hoses are not required to be connected to the truck when crude oil is being transferred from the truck. Vapor recovery hoses may be disconnected and stored when not in use. [District Rule 2201]. Federally Enforceable Through Title V Permit
3. All vapors displaced from the truck shall be piped to vapor control system S-1423-1. [District Rule 2201]. Federally Enforceable Through Title V Permit
4. No more than 100 crude oil line disconnections shall occur per day. [District Rule 2201]. Federally Enforceable Through Title V Permit
5. Fugitive VOC emission rate, calculated using the Oil and Gas Production Operations Average Emission Factors, U.S. EPA Protocol for Equipment Leak Emission Estimates, Table 2-4 (EPA-453/R-95-017) November 1995, from the total number of vapor components associated with the loading/unloading rack vapor control system shall not exceed 2.2 lb/day. [District Rule 2201]. Federally Enforceable Through Title V Permit
6. VOC emissions from crude oil line disconnection drainage shall not exceed 1.9 lb/day. [District Rule 2201]. Federally Enforceable Through Title V Permit
7. Crude oil transfer equipment shall be maintained and operated such that there is no excess organic liquid drainage at disconnects. Excess organic liquid drainage shall be defined as exceeding 10 mls per average of 3 consecutive disconnects. If 3 disconnects cannot be achieved during the inspection period, then an average of all disconnects during the inspection period will be used to show compliance. [District Rule 2520, 9.3.2]. Federally Enforceable Through Title V Permit
8. Loading rack vapor recovery system shall be monitored for evidence of leaks by visual, audible, and olfactory methods when in use. When a leak is detected, it shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected. [District Rule 2520, 9.3.2]. Federally Enforceable Through Title V Permit
9. During truck loading, operator shall perform and record the results of quarterly leak and drainage inspections of the loading equipment at each loading arm. If truck loading has not been performed since the

previous leak and drainage inspection, then leak and drainage inspections shall not be required for that inspection period. If none of the components are found to be leaking or exceeding the drainage standard during five consecutive quarterly inspections, in which inspections were performed, the leak and drainage inspection frequency may be changed from quarterly to annual. However, if one or more of the components are found to leak or if excess liquid is drained during an annual inspection, the inspection frequency shall change back to quarterly. [District Rule 2520, 9.3.2]. Federally Enforceable Through Title V Permit

10. Compliance shall be demonstrated by collecting all drainage at disconnect in a spouted container. The drainage shall be transferred to a graduated cylinder and the volume determined within one (1) minute of collection. [District Rule 2520, 9.3.2]. Federally Enforceable Through Title V Permit

11. Permittee shall maintain accurate records of: daily crude oil line disconnects, true vapor pressure of all crude oil transferred, and fugitive component count. [District Rules 1070; 2520, 9.4.2; and 4624]. Federally Enforceable Through Title V Permit

12. The TVP shall be determined whenever there is a change in the type of liquid being transferred. Liquid TVP shall be determined using District Rule 4624, Appendix A or the applicable test method in district Rule 4624, Section 6.3 [District Rule 4624]. Federally Enforceable Through Title V Permit

**PERMIT NUMBER:** S-1141-386

**SECTION:** SE31 **TOWNSHIP:** 31S **RANGE:** 23E

**PERMIT TYPE:** PTO

**PERMIT MODIFICATION NUMBER:** 7

**EQUIPMENT DESCRIPTION:**

HEAVY CRUDE OIL TRUCK LOADING/UNLOADING OPERATION (TRUCK LACT #2) WITH VAPOR CONTROL INCLUDING TWO BOTTOM LOADING ARMS WITH CAMLOCK FITTINGS AND TWO VAPOR RETURN LINES WITH CAMLOCK FITTINGS

## CONDITIONS

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1. True vapor pressure (TVP) of all transferred crude oil shall be less than 1.5 psia, or less if tanks receiving the crude oil have a TVP limit of 0.5 psia pursuant to District Rules 2201 or 4623. [District Rule 4624, 4.3]. Federally Enforceable Through Title V Permit
2. Vapor recovery hose shall be connected to the truck whenever crude oil is being transferred into truck. Vapor recovery hoses are not required to be connected to the truck when crude oil is being transferred from the truck. Vapor recovery hoses may be disconnected and stored when not in use. [District Rule 2201]. Federally Enforceable Through Title V Permit
3. All vapors displaced from the truck shall be piped to vapor control system S-1423-1. [District Rule 2201]. Federally Enforceable Through Title V Permit
4. No more than 100 crude oil line disconnections shall occur per day. [District Rule 2201]. Federally Enforceable Through Title V Permit
5. Fugitive VOC emission rate, calculated using the Oil and Gas Production Operations Average Emission Factors, U.S. EPA Protocol for Equipment Leak Emission Estimates, Table 2-4 (EPA-453/R-95-017) November 1995, from the total number of vapor components associated with the loading/unloading rack vapor control system shall not exceed 2.2 lb/day. [District Rule 2201]. Federally Enforceable Through Title V Permit
6. VOC emissions from crude oil line disconnection drainage shall not exceed 1.9 lb/day. [District Rule 2201]. Federally Enforceable Through Title V Permit
7. Crude oil transfer equipment shall be maintained and operated such that there is no excess organic liquid drainage at disconnects. Excess organic liquid drainage shall be defined as exceeding 10 mls per average of 3 consecutive disconnects. If 3 disconnects cannot be achieved during the inspection period, then an average of all disconnects during the inspection period will be used to show compliance. [District Rule 2520, 9.3.2]. Federally Enforceable Through Title V Permit
8. Loading rack vapor recovery system shall be monitored for evidence of leaks by visual, audible, and olfactory methods when in use. When a leak is detected, it shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected. [District Rule 2520, 9.3.2]. Federally Enforceable Through Title V Permit
9. During truck loading, operator shall perform and record the results of quarterly leak and drainage inspections of the loading equipment at each loading arm. If truck loading has not been performed since the



previous leak and drainage inspection, then leak and drainage inspections shall not be required for that inspection period. If none of the components are found to be leaking or exceeding the drainage standard during five consecutive quarterly inspections, in which inspections were performed, the leak and drainage inspection frequency may be changed from quarterly to annual. However, if one or more of the components are found to leak or if excess liquid is drained during an annual inspection, the inspection frequency shall change back to quarterly. [District Rule 2520, 9.3.2]. Federally Enforceable Through Title V Permit

10. Compliance shall be demonstrated by collecting all drainage at disconnect in a spouted container. The drainage shall be transferred to a graduated cylinder and the volume determined within one (1) minute of collection. [District Rule 2520, 9.3.2]. Federally Enforceable Through Title V Permit

11. Permittee shall maintain accurate records of: daily crude oil line disconnects, true vapor pressure of all crude oil transferred, and fugitive component count. [District Rules 1070; 2520, 9.4.2; and 4624]. Federally Enforceable Through Title V Permit

12. The TVP shall be determined whenever there is a change in the type of liquid being transferred. Liquid TVP shall be determined using district Rule 4624, Appendix A or the applicable test method in district Rule 4624, Section 6.3. [District Rule 4624]. Federally Enforceable Through Title V Permit

**PERMIT NUMBER:** S-1141-387

**SECTION:** 31 **TOWNSHIP:** 31S **RANGE:** 23E

**PERMIT TYPE:** PTO

**PERMIT MODIFICATION NUMBER:** 5

**EQUIPMENT DESCRIPTION:**

840,000 GALLON FIXED ROOF PETROLEUM STORAGE TANK #1

## CONDITIONS

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1. The requirements of 40 CFR 60 Subpart K and Ka do not apply to this source. A permit shield is granted from these requirements. [District Rule 2520, 13.2]. Federally Enforceable Through Title V Permit
2. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2]. Federally Enforceable Through Title V Permit
3. This tank shall only store, place, or hold organic liquid with a true vapor pressure (TVP) of less than 0.5 psia under all storage conditions. [District Rule 4623]. Federally Enforceable Through Title V Permit
4. This unit is subject to Heavy Oil Tank Testing Conditions on the facility wide permit S-1141-0. [District Rule 4623]. Federally Enforceable Through Title V Permit

**PERMIT NUMBER:** S-1141-388

**SECTION:** 31 **TOWNSHIP:** 31S **RANGE:** 23E

**PERMIT TYPE:** PTO

**PERMIT MODIFICATION NUMBER:** 5

**EQUIPMENT DESCRIPTION:**

840,000 GALLON FIXED ROOF PETROLEUM STORAGE TANK #2

## CONDITIONS

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1. The requirements of 40 CFR 60 Subpart K and Ka do not apply to this source. A permit shield is granted from these requirements. [District Rule 2520, 13.2]. Federally Enforceable Through Title V Permit
2. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2]. Federally Enforceable Through Title V Permit
3. This tank shall only store, place, or hold organic liquid with a true vapor pressure (TVP) of less than 0.5 psia under all storage conditions. [District Rule 4623]. Federally Enforceable Through Title V Permit
4. This unit is subject to Heavy Oil Tank Testing Conditions on the facility wide permit S-1141-0. [District Rule 4623]. Federally Enforceable Through Title V Permit

**PERMIT NUMBER:** S-1423-1

**SECTION:** SE31 **TOWNSHIP:** 31S **RANGE:** 23E

**PERMIT TYPE:** PTO

**PERMIT MODIFICATION NUMBER:** 7

**EQUIPMENT DESCRIPTION:**

20,000 BBL FIXED ROOF CRUDE OIL STORAGE TANK WITH ONE HEATING COIL SERVED BY A TANK VAPOR CONTROL SYSTEM SHARED WITH S-1423-2, '-3, '-10, AND '-13 (STATION 31)

## CONDITIONS

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1. Operation to include 42,000 gallon reject oil vessel V-6 with transfer pump, shared between S-1423-1, 2, 3, three transfer pumps, shared between S-1423-1, 2, 3, and four shipping pumps. [District Rule 2201]
2. Operation to include Aerial Model JG/2 vapor recovery compressor with 100 hp electric motor, one 5 hp, one 3 hp and one 0.5 hp liquid transfer pumps shared between S-1423-1 thru S-1423-9. [District Rule 2201]
3. Authorized incineration/disposal devices for collected vapors are steam generators S-1141-555, '556, '557, emergency flare S-1141-513 and DOGGR-approved disposal well(s). [District Rule 2201]
4. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
5. The tank shall be equipped with a vapor recovery system consisting of a closed vent system that collects all VOCs from the storage tank, and a VOC control device. The vapor recovery system shall be APCO-approved and maintained in gas-tight condition. The VOC control device shall be either of the following: a vapor return or condensation system that connects to a gas pipeline distribution system, or an approved VOC destruction device the reduces the inlet VOC emissions by at least 95% by weight as determined by the test method specified in Section 6.4.7. [District Rule 4623]
6. All piping, valves, and fittings shall be constructed and maintained in a leak-free condition. [District Rule 4623]
7. A leak-free condition is defined as a condition without a gas or liquid leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. [District Rule 4623]
8. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a leak-free cover which shall be closed at all times except during gauging or sampling. [District Rule 4623]
9. No truck loading of blended crude or light crude shall occur. [District Rule 2201]
10. There shall be no venting of gases from LACT or shipping pumps. [District Rule 2201]
11. Tank shall be vented only to vapor recovery system. [District Rules 2201 & 4623]
12. The true vapor pressure (TVP) of any material introduced or stored in this tank shall not exceed 3.3 psia. [District Rule 2201]

13. Average tank throughput shall not exceed 55,000 bbls/day on annual basis. [District Rule 2201]
14. Operating pressure of reject vessel V-6 shall not exceed 45 psig. [District Rule 2201]
15. Tankage vapor recovery system VOC control efficiency shall be at least 99% by weight. [District Rule 2201]
16. Produced water shall be disposed of without VOC emissions. [District Rule 2201]
17. Permittee shall comply with all applicable requirements of District Rule 4001 including but not limited to Subpart Ka. [District Rule 4001]
18. Volatile Organic Compounds (VOC) emissions shall not exceed 11.7 lb/day. [District Rule 2201]
19. This permit authorizes tank cleaning that is not the result of breakdowns or poor maintenance as a routine maintenance activity. [District Rule 2080]
20. Permittee shall conduct tank cleaning and maintenance operations in accordance with District approved procedure as described in this permit. [District Rule 2080]
21. Tank may be disconnected from vapor control system during District approved cleaning and maintenance procedures as described in this permit. [District Rule 2080]
22. All tanks subject to the control requirements of Rule 4623 shall be maintained in a leak-free condition, except as allowed by Section 5.2 and applicable provisions of table 3, and Section 5.7.5.4. [District Rule 4623, 5.1.3]
23. Permittee shall notify the APCO in writing at least three (3) days prior to performing tank degassing and interior tank cleaning activities. Written notification shall include the following: 1) the Permit to Operate number and physical location of the tank being degassed, 2) the date and time that tank degassing and cleaning activities will begin, 3) the degassing method, as allowed in this permit, to be used, 4) the method to be used to clean the tank, including any solvents to be used, and 5) the method to be used to dispose of any removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport. [District Rule 4623]
24. This tank shall be in compliance with the applicable requirements of District Rule 4623 at all times during draining, degassing, and refilling the tank with an organic liquid having a TVP of 0.5 psia or greater. [District Rule 4623]
25. This tank shall be degassed before commencing interior cleaning by following one of the following options: 1) exhausting VOCs contained in the tank vapor space to an APCO-approved vapor recovery system until the organic vapor concentration is 5,000 ppmv or less, or is 10 percent or less of the lower explosion limit (LEL), whichever is less, or 2) by displacing VOCs contained in the tank vapor space to an APCO-approved vapor recovery system by filling the tank with a suitable liquid until 90 percent or more of the maximum operating level of the tank is filled. Suitable liquids are organic liquids having a TVP of less than 0.5 psia, water, clean produced water, or produced water derived from crude oil having a TVP less than 0.5 psia, or 3) by displacing VOCs contained in the tank vapor space to an APCO-approved vapor recovery system by filling the tank with a suitable gas. Degassing shall continue until the operator has achieved a vapor displacement equivalent to at least 2.3 times the tank capacity. Suitable gases are air, nitrogen, carbon dioxide, or natural gas containing less than 10 percent VOC by weight. [District Rule 4623]
26. During tank degassing, the operator shall discharge or displace organic vapors contained in the tank vapor

space to an APCO-approved vapor recovery system. [District Rule 4623]

27. After a tank has been degassed pursuant to the requirements of this permit, vapor control requirements are not applicable until an organic liquid having a TVP of 0.5 psia or greater is placed, held, or stored in this tank. [District Rule 4623]

28. To facilitate connection to an external APCO-approved recovery system, a suitable tank fitting, such as a manway, may be temporarily removed for a period of time not to exceed 1 hour. [District Rule 4623]

29. While performing tank cleaning activities, operators may only use the following cleaning agents: water and clean (produced) water, diesel, solvents with an initial boiling point of greater than 302 degrees F, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams of VOC per liter or less. The tank sediment may be used for roadmix as allowed by Section 6.17 of District Rule 2020. [District Rule 4623]

30. Steam cleaning shall only be allowed at locations where wastewater treatment facilities are limited, or during the months of December through March. [District Rule 4623]

31. During sludge removal from tanks containing organic liquids with a true vapor pressure of 1.5 psia or greater, the operator shall control emissions from the sludge receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95%. [District Rule 4623]

32. Permittee shall store removed sludge from tanks containing organic liquids with a true vapor pressure of 1.5 psia or greater, until final disposal, in vapor leak-free containers, or in tanks complying with the vapor control requirements of District Rule 4623. Sludge that is to be used to manufacture roadmix, as defined in District Rule 2020, is not required to be stored in this manner. Roadmix manufacturing operations exempt pursuant to District Rule 2020 shall maintain documentation of their compliance with Rule 2020, and shall readily make said documentation available for District inspection upon request. [District Rules 2020 and 4623]

33. The operator shall visually inspect tank shell, hatches, seals, seams, cable seals, valves, flanges, connectors, and any other piping components directly affixed to the tank and within five feet of the tank at least once per year for liquid leaks, and with a portable hydrocarbon detection instrument conducted in accordance with EPA Method 21 for gas leaks. Operator shall also visually or ultrasonically inspect as appropriate, the external shells and roofs of uninsulated tanks for structural integrity annually. [District Rule 4623, Table 3]

34. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during four consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired upon detection. [District Rule 2520, 9.3.2]

35. Upon detection of a liquid leak greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rule 4623, Table 3]

36. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after

detection. [District Rule 4623, Table 3]

37. Components found to be leaking either liquids or gases shall be immediately affixed with a tag showing the component to be leaking. [District Rule 4623, Table 3]

38. Leaking components that have been discovered by the operator that have been immediately tagged and repaired within the timeframes specified in District Rule 4623, Table 3 shall not constitute a violation of this rule. Leaking components as defined by District Rule 4623 discovered by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within the timeframes specified in District Rule 4623, Table 3 shall constitute a violation of this rule. [District Rule 4623, Table 3]

39. If a component type for a given tank is found to leak during an annual inspection, operator shall conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, the operator may revert to annual inspections. [District Rule 4623, Table 3]

40. Any component found to be leaking on two consecutive annual inspections is in violation of District Rule 4623, even if covered under the voluntary inspection and maintenance program. [District Rule 4623, Table 3]

41. The operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date and time of leak detection, and method of detection; 3) Date and time of leak repair, and emission level of recheck after leak is repaired; 4) Method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rule 2520, 9.4.1]

42. Permittee shall only transport removed sludge from tanks containing organic liquids with a true vapor pressure of 1.5 psia or greater, in closed, liquid leak-free containers. [District Rule 4623]

43. Permittee shall maintain records of dates of periodic tank inspections, start and completion dates/times of tank cleaning activities, and methods of cleaning used. [District Rule 4623]

44. Permittee shall keep accurate records of tank throughput, storage temperature and Reid vapor pressure of the liquids introduced and stored and shall make such records available for District inspection upon request. [District Rules 2201 and 4623]

**PERMIT NUMBER:** S-1423-0

**SECTION: TOWNSHIP: RANGE:**

**PERMIT TYPE:** PTO

**PERMIT MODIFICATION NUMBER:** 0

**EQUIPMENT DESCRIPTION:**

FACILITY-WIDE REQUIREMENTS

## CONDITIONS

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]



**PERMIT NUMBER:** S-1423-2

**SECTION:** SE31 **TOWNSHIP:** 31S **RANGE:** 23E

**PERMIT TYPE:** PTO

**PERMIT MODIFICATION NUMBER:** 6

**EQUIPMENT DESCRIPTION:**

10,000 BBL FIXED ROOF CRUDE OIL STORAGE TANK WITH ONE HEATING COIL SERVED BY A TANK VAPOR CONTROL SYSTEM LISTED ON S-1423-1

## CONDITIONS

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1. All piping, valves, and fittings shall be constructed and maintained in a leak-free condition. [District Rule 4623]
2. A leak-free condition is defined as a condition without a gas or liquid leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. [District Rule 4623]
3. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. [District Rule 4623]
4. No truck loading of blended crude or light crude shall occur. [District Rule 2201]
5. Tank shall be vented only to vapor recovery system listed on S-1423-1. [District Rule 2201]
6. True vapor pressure (TVP) of any material introduced or stored in this tank shall not exceed 3.3 psia. [District Rule 2201]
7. Average tank throughput shall not exceed 55,000 bbls/day on annual basis. [District Rule 2201]
8. Tankage vapor recovery system hydrocarbon control efficiency shall be at least 99% by weight. [District Rule 2201]
9. Produced water shall be disposed of without VOC emissions. [District Rule 2201]
10. Permittee shall comply with all applicable requirements of District Rule 4001 including but not limited to Subpart Ka. [District Rule 4001]
11. Volatile Organic Compounds (VOC) emissions shall not exceed 10.7 lb/day. [District Rule 2201]
12. This permit authorizes tank cleaning that is not the result of breakdowns or poor maintenance as a routine maintenance activity. [District Rule 2080]
13. Permittee shall conduct tank cleaning and maintenance operations in accordance with District approved procedure as described in this permit. [District Rule 2080]
14. Tank may be disconnected from vapor control system during District approved cleaning and maintenance procedures as described in this permit. [District Rule 2080]

15. All tanks subject to the control requirements of Rule 4623 shall be maintained in a leak-free condition, except as allowed by Section 5.2 and applicable provisions of table 3, and Section 5.7.5.4. [District Rule 4623, 5.1.3]
16. Permittee shall notify the APCO in writing at least three (3) days prior to performing tank degassing and interior tank cleaning activities. Written notification shall include the following: 1) the Permit to Operate number and physical location of the tank being degassed, 2) the date and time that tank degassing and cleaning activities will begin, 3) the degassing method, as allowed in this permit, to be used, 4) the method to be used to clean the tank, including any solvents to be used, and 5) the method to be used to dispose of any removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport. [District Rule 4623]
17. This tank shall be in compliance with the applicable requirements of District Rule 4623 at all times during draining, degassing, and refilling the tank with an organic liquid having a TVP of 0.5 psia or greater. [District Rule 4623]
18. This tank shall be degassed before commencing interior cleaning by following one of the following options: 1) exhausting VOCs contained in the tank vapor space to an APCO-approved vapor recovery system until the organic vapor concentration is 5,000 ppmv or less, or is 10 percent or less of the lower explosion limit (LEL), whichever is less, or 2) by displacing VOCs contained in the tank vapor space to an APCO-approved vapor recovery system by filling the tank with a suitable liquid until 90 percent or more of the maximum operating level of the tank is filled. Suitable liquids are organic liquids having a TVP of less than 0.5 psia, water, clean produced water, or produced water derived from crude oil having a TVP less than 0.5 psia, or 3) by displacing VOCs contained in the tank vapor space to an APCO-approved vapor recovery system by filling the tank with a suitable gas. Degassing shall continue until the operator has achieved a vapor displacement equivalent to at least 2.3 times the tank capacity. Suitable gases are air, nitrogen, carbon dioxide, or natural gas containing less than 10 percent VOC by weight. [District Rule 4623]
19. During tank degassing, the operator shall discharge or displace organic vapors contained in the tank vapor space to an APCO-approved vapor recovery system. [District Rule 4623]
20. After a tank has been degassed pursuant to the requirements of this permit, vapor control requirements are not applicable until an organic liquid having a TVP of 0.5 psia or greater is placed, held, or stored in this tank. [District Rule 4623]
21. To facilitate connection to an external APCO-approved recovery system, a suitable tank fitting, such as a manway, may be temporarily removed for a period of time not to exceed 1 hour. [District Rule 4623]
22. While performing tank cleaning activities, operators may only use the following cleaning agents: water and clean (produced) water, diesel, solvents with an initial boiling point of greater than 302 degrees F, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams of VOC per liter or less. The tank sediment may be used for roadmix as allowed by Section 6.17 of District Rule 2020. [District Rule 4623]
23. Steam cleaning shall only be allowed at locations where wastewater treatment facilities are limited, or during the months of December through March. [District Rule 4623]
24. During sludge removal from tanks containing organic liquids with a true vapor pressure of 1.5 psia or greater, the operator shall control emissions from the sludge receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95%. [District Rule 4623]
25. Permittee shall store removed sludge from tanks containing organic liquids with a true vapor pressure of 1.5 psia or greater, until final disposal, in vapor leak-free containers, or in tanks complying with the vapor

control requirements of District Rule 4623. Sludge that is to be used to manufacture roadmix, as defined in District Rule 2020, is not required to be stored in this manner. Roadmix manufacturing operations exempt pursuant to District Rule 2020 shall maintain documentation of their compliance with Rule 2020, and shall readily make said documentation available for District inspection upon request. [District Rules 2020 and 4623]

26. Permittee shall only transport removed sludge from tanks containing organic liquids with a true vapor pressure of 1.5 psia or greater, in closed, liquid leak-free containers. [District Rule 4623]

27. The operator shall visually inspect tank shell, hatches, seals, seams, cable seals, valves, flanges, connectors, and any other piping components directly affixed to the tank and within five feet of the tank at least once per year for liquid leaks, and with a portable hydrocarbon detection instrument conducted in accordance with EPA Method 21 for gas leaks. Operator shall also visually or ultrasonically inspect as appropriate, the external shells and roofs of uninsulated tanks for structural integrity annually. [District Rule 4623, Table 3]

28. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during four consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired upon detection. [District Rule 2520, 9.3.2]

29. Upon detection of a liquid leak greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rule 4623, Table 3]

30. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rule 4623, Table 3]

31. Components found to be leaking either liquids or gases shall be immediately affixed with a tag showing the component to be leaking. [District Rule 4623, Table 3]

32. Leaking components that have been discovered by the operator that have been immediately tagged and repaired within the timeframes specified in District Rule 4623, Table 3 shall not constitute a violation of this rule. Leaking components as defined by District Rule 4623 discovered by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within the timeframes specified in District Rule 4623, Table 3 shall constitute a violation of this rule. [District Rule 4623, Table 3]

33. If a component type for a given tank is found to leak during an annual inspection, operator shall conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, the operator may revert to annual inspections. [District Rule 4623, Table 3]

34. Any component found to be leaking on two consecutive annual inspections is in violation of District Rule 4623, even if covered under the voluntary inspection and maintenance program. [District Rule 4623, Table 3]

35. The operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date and time of leak detection, and method of detection; 3) Date and time of leak repair, and emission level of recheck after leak is repaired; 4) Method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rule 2520, 9.4.1]

36. Permittee shall maintain records of dates of periodic tank inspections, start and completion dates/times of tank cleaning activities, and methods of cleaning used. [District Rule 4623]

37. Permittee shall keep accurate records of throughput, storage temperature and Reid vapor pressure of liquids introduced and stored and shall make such records available for District inspection upon request. [District Rules 1070 & 2201]

**PERMIT NUMBER:** S-1423-3

**SECTION:** SE31 **TOWNSHIP:** 31S **RANGE:** 23E

**PERMIT TYPE:** PTO

**PERMIT MODIFICATION NUMBER:** 5

**EQUIPMENT DESCRIPTION:**

10,000 BBL CRUDE OIL STORAGE TANK WITH ONE HEATING COIL SERVED BY TANK VAPOR CONTROL SYSTEM LISTED ON S-1423-1

## CONDITIONS

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1. All piping, valves, and fittings shall be constructed and maintained in a leak-free condition. [District Rule 4623]
2. A leak-free condition is defined as a condition without a gas or liquid leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. [District Rule 4623]
3. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a leak-free cover which shall be closed at all times except during gauging or sampling. [District Rule 4623]
4. No truck loading of blended crude or light crude shall occur. [District Rule 2201]
5. Tank shall be vented only to vapor recovery system listed on S-1423-1. [District Rule 2201]
6. True vapor pressure (TVP) of any material introduced or stored in this tank shall not exceed 3.30 psia. [District Rule 2201]
7. Average tank throughput shall not exceed 55,000 bbls/day on annual basis. [District Rule 2201]
8. Tankage vapor recovery system VOC control efficiency shall be at least 99% by weight. [District Rule 2201]
9. Produced water shall be disposed of without VOC emissions. [District Rule 2201]
10. Permittee shall comply with all applicable requirements of District Rule 4001 including but not limited to Subpart Ka. [District Rule 4001]
11. Volatile Organic Compounds (VOC) emissions shall not exceed 10.7 lb/day. [District Rule 2201]
12. This permit authorizes tank cleaning that is not the result of breakdowns or poor maintenance as a routine maintenance activity. [District Rule 2080]
13. Permittee shall conduct tank cleaning and maintenance operations in accordance with District approved procedure as described in this permit. [District Rule 2080]
14. Tank may be disconnected from vapor control system during District approved cleaning and maintenance procedures as described in this permit. [District Rule 2080]

15. All tanks subject to the control requirements of Rule 4623 shall be maintained in a leak-free condition, except as allowed by Section 5.2 and applicable provisions of table 3, and Section 5.7.5.4. [District Rule 4623, 5.1.3]
16. Permittee shall notify the APCO in writing at least three (3) days prior to performing tank degassing and interior tank cleaning activities. Written notification shall include the following: 1) the Permit to Operate number and physical location of the tank being degassed, 2) the date and time that tank degassing and cleaning activities will begin, 3) the degassing method, as allowed in this permit, to be used, 4) the method to be used to clean the tank, including any solvents to be used, and 5) the method to be used to dispose of any removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport. [District Rule 4623]
17. This tank shall be in compliance with the applicable requirements of District Rule 4623 at all times during draining, degassing, and refilling the tank with an organic liquid having a TVP of 0.5 psia or greater. [District Rule 4623]
18. This tank shall be degassed before commencing interior cleaning by following one of the following options: 1) exhausting VOCs contained in the tank vapor space to an APCO-approved vapor recovery system until the organic vapor concentration is 5,000 ppmv or less, or is 10 percent or less of the lower explosion limit (LEL), whichever is less, or 2) by displacing VOCs contained in the tank vapor space to an APCO-approved vapor recovery system by filling the tank with a suitable liquid until 90 percent or more of the maximum operating level of the tank is filled. Suitable liquids are organic liquids having a TVP of less than 0.5 psia, water, clean produced water, or produced water derived from crude oil having a TVP less than 0.5 psia, or 3) by displacing VOCs contained in the tank vapor space to an APCO-approved vapor recovery system by filling the tank with a suitable gas. Degassing shall continue until the operator has achieved a vapor displacement equivalent to at least 2.3 times the tank capacity. Suitable gases are air, nitrogen, carbon dioxide, or natural gas containing less than 10 percent VOC by weight. [District Rule 4623]
19. During tank degassing, the operator shall discharge or displace organic vapors contained in the tank vapor space to an APCO-approved vapor recovery system. [District Rule 4623]
20. After a tank has been degassed pursuant to the requirements of this permit, vapor control requirements are not applicable until an organic liquid having a TVP of 0.5 psia or greater is placed, held, or stored in this tank. [District Rule 4623]
21. To facilitate connection to an external APCO-approved recovery system, a suitable tank fitting, such as a manway, may be temporarily removed for a period of time not to exceed 1 hour. [District Rule 4623]
22. While performing tank cleaning activities, operators may only use the following cleaning agents: water and clean (produced) water, diesel, solvents with an initial boiling point of greater than 302 degrees F, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams of VOC per liter or less. The tank sediment may be used for roadmix as allowed by Section 6.17 of District Rule 2020. [District Rule 4623]
23. Steam cleaning shall only be allowed at locations where wastewater treatment facilities are limited, or during the months of December through March. [District Rule 4623]
24. During sludge removal from tanks containing organic liquids with a true vapor pressure of 1.5 psia or greater, the operator shall control emissions from the sludge receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95%. [District Rule 4623]
25. Permittee shall store removed sludge from tanks containing organic liquids with a true vapor pressure of 1.5 psia or greater, until final disposal, in vapor leak-free containers, or in tanks complying with the vapor

control requirements of District Rule 4623. Sludge that is to be used to manufacture roadmix, as defined in District Rule 2020, is not required to be stored in this manner. Roadmix manufacturing operations exempt pursuant to District Rule 2020 shall maintain documentation of their compliance with Rule 2020, and shall readily make said documentation available for District inspection upon request. [District Rules 2020 and 4623]

26. Permittee shall only transport removed sludge from tanks containing organic liquids with a true vapor pressure of 1.5 psia or greater, in closed, liquid leak-free containers. [District Rule 4623]

27. The operator shall visually inspect tank shell, hatches, seals, seams, cable seals, valves, flanges, connectors, and any other piping components directly affixed to the tank and within five feet of the tank at least once per year for liquid leaks, and with a portable hydrocarbon detection instrument conducted in accordance with EPA Method 21 for gas leaks. Operator shall also visually or ultrasonically inspect as appropriate, the external shells and roofs of uninsulated tanks for structural integrity annually. [District Rule 4623, Table 3]

28. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during four consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired upon detection. [District Rule 2520, 9.3.2]

29. Upon detection of a liquid leak greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rule 4623, Table 3]

30. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rule 4623, Table 3]

31. Components found to be leaking either liquids or gases shall be immediately affixed with a tag showing the component to be leaking. [District Rule 4623, Table 3]

32. Leaking components that have been discovered by the operator that have been immediately tagged and repaired within the timeframes specified in District Rule 4623, Table 3 shall not constitute a violation of this rule. Leaking components as defined by District Rule 4623 discovered by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within the timeframes specified in District Rule 4623, Table 3 shall constitute a violation of this rule. [District Rule 4623, Table 3]

33. If a component type for a given tank is found to leak during an annual inspection, operator shall conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, the operator may revert to annual inspections. [District Rule 4623, Table 3]

34. Any component found to be leaking on two consecutive annual inspections is in violation of District Rule 4623, even if covered under the voluntary inspection and maintenance program. [District Rule 4623, Table 3]

35. The operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date and time of leak detection, and method of detection; 3) Date and time of leak repair, and emission level of recheck after leak is repaired; 4) Method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rule 2520, 9.4.1]

36. Permittee shall maintain records of dates of periodic tank inspections, start and completion dates/times of tank cleaning activities, and methods of cleaning used. [District Rule 4623]

37. Permittee shall keep accurate records of throughput, storage temperature and RVP of liquids introduced and stored and shall make such records available for District inspection upon request. [District Rule 1070 & 2201]



**PERMIT NUMBER:** S-1423-10

**SECTION:** SE31 **TOWNSHIP:** 31S **RANGE:** 23E

**PERMIT TYPE:** PTO

**PERMIT MODIFICATION NUMBER:** 3

**EQUIPMENT DESCRIPTION:**

1,000 BBL FIXED ROOF CRUDE OIL STORAGE TANK #T4 SERVED BY A TANK VAPOR CONTROL SYSTEM LISTED ON S-1423-1

## CONDITIONS

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1. Operations to include one 300 gpm pump with a 40 hp electric motor, vapor control valves and piping to existing vapor control systems S-1423-1, and misc piping and components. [District Rule 2201]
2. Total number of potential fugitive emission sources in light crude service with tank T4 and connection to the vapor recovery system shall not exceed the following: gate valves - 13, ball valves - 5, check valves - 1, needle valves - 2, relief valves - 2, flat flanges - 28, threaded connections - 22, gasketed flanges - 4, gasketed hatches - 4, and pump - 1. [District Rule 2201]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. Tank shall be equipped with stored liquid temperature indicator. [District Rule 1081]
5. All piping, valves, and fittings shall be constructed and maintained in a leak-free condition. [District Rule 4623]
6. A leak-free condition is defined as a condition without a gas or liquid leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. [District Rule 4623]
7. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a leak-free cover which shall be closed at all times except during gauging or sampling. [District Rule 4623]
8. Tank shall be vented only to vapor recovery system listed on S-1423-1. [District Rule 2201]
9. Stored petroleum liquid true vapor pressure shall not exceed 6.5 psia. [District Rule 2201]
10. Average tank throughput shall not exceed 2,000 bbls/day (on a moving annual day basis). [District Rule 2201]
11. Tankage vapor recovery system VOC control efficiency shall be at least 99% by weight. [District Rule 2201]
12. Volatile Organic Compounds (VOC) emissions shall not exceed 0.05 lbm/hr (fugitive emissions). [District Rule 2201]
13. VOC emission rate shall not exceed 1.22 lbm/day (tankage emission) and 0.04 lbm/day (fugitive

emission). [District Rule 2201]

14. Compliance with daily emissions limitation shall be verified by source operator on daily basis and written documentation made readily available to District for period of three years. [District Rule 1081]

15. This permit authorizes tank cleaning that is not the result of breakdowns or poor maintenance as a routine maintenance activity. [District Rule 2080]

16. Permittee shall conduct tank cleaning and maintenance operations in accordance with District approved procedure as described in this permit. [District Rule 2080]

17. Tank may be disconnected from vapor control system during District approved cleaning and maintenance procedures as described in this permit. [District Rule 2080]

18. All tanks subject to the control requirements of Rule 4623 shall be maintained in a leak-free condition, except as allowed by Section 5.2 and applicable provisions of table 3, and Section 5.7.5.4. [District Rule 4623, 5.1.3]

19. Permittee shall notify the APCO in writing at least three (3) days prior to performing tank degassing and interior tank cleaning activities. Written notification shall include the following: 1) the Permit to Operate number and physical location of the tank being degassed, 2) the date and time that tank degassing and cleaning activities will begin, 3) the degassing method, as allowed in this permit, to be used, 4) the method to be used to clean the tank, including any solvents to be used, and 5) the method to be used to dispose of any removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport. [District Rule 4623]

20. This tank shall be in compliance with the applicable requirements of District Rule 4623 at all times during draining, degassing, and refilling the tank with an organic liquid having a TVP of 0.5 psia or greater. [District Rule 4623]

21. This tank shall be degassed before commencing interior cleaning by following one of the following options: 1) exhausting VOCs contained in the tank vapor space to an APCO-approved vapor recovery system until the organic vapor concentration is 5,000 ppmv or less, or is 10 percent or less of the lower explosion limit (LEL), whichever is less, or 2) by displacing VOCs contained in the tank vapor space to an APCO-approved vapor recovery system by filling the tank with a suitable liquid until 90 percent or more of the maximum operating level of the tank is filled. Suitable liquids are organic liquids having a TVP of less than 0.5 psia, water, clean produced water, or produced water derived from crude oil having a TVP less than 0.5 psia, or 3) by displacing VOCs contained in the tank vapor space to an APCO-approved vapor recovery system by filling the tank with a suitable gas. Degassing shall continue until the operator has achieved a vapor displacement equivalent to at least 2.3 times the tank capacity. Suitable gases are air, nitrogen, carbon dioxide, or natural gas containing less than 10 percent VOC by weight. [District Rule 4623]

22. During tank degassing, the operator shall discharge or displace organic vapors contained in the tank vapor space to an APCO-approved vapor recovery system. [District Rule 4623]

23. After a tank has been degassed pursuant to the requirements of this permit, vapor control requirements are not applicable until an organic liquid having a TVP of 0.5 psia or greater is placed, held, or stored in this tank. [District Rule 4623]

24. To facilitate connection to an external APCO-approved recovery system, a suitable tank fitting, such as a manway, may be temporarily removed for a period of time not to exceed 1 hour. [District Rule 4623]

25. While performing tank cleaning activities, operators may only use the following cleaning agents: water

and clean (produced) water, diesel, solvents with an initial boiling point of greater than 302 degrees F, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams of VOC per liter or less. The tank sediment may be used for roadmix as allowed by Section 6.17 of District Rule 2020. [District Rule 4623]

26. Steam cleaning shall only be allowed at locations where wastewater treatment facilities are limited, or during the months of December through March. [District Rule 4623]

27. During sludge removal from tanks containing organic liquids with a true vapor pressure of 1.5 psia or greater, the operator shall control emissions from the sludge receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95%. [District Rule 4623]

28. Permittee shall store removed sludge from tanks containing organic liquids with a true vapor pressure of 1.5 psia or greater, until final disposal, in vapor leak-free containers, or in tanks complying with the vapor control requirements of District Rule 4623. Sludge that is to be used to manufacture roadmix, as defined in District Rule 2020, is not required to be stored in this manner. Roadmix manufacturing operations exempt pursuant to District Rule 2020 shall maintain documentation of their compliance with Rule 2020, and shall readily make said documentation available for District inspection upon request. [District Rules 2020 and 4623]

29. Permittee shall only transport removed sludge from tanks containing organic liquids with a true vapor pressure of 1.5 psia or greater, in closed, liquid leak-free containers. [District Rule 4623]

30. The operator shall visually inspect tank shell, hatches, seals, seams, cable seals, valves, flanges, connectors, and any other piping components directly affixed to the tank and within five feet of the tank at least once per year for liquid leaks, and with a portable hydrocarbon detection instrument conducted in accordance with EPA Method 21 for gas leaks. Operator shall also visually or ultrasonically inspect as appropriate, the external shells and roofs of uninsulated tanks for structural integrity annually. [District Rule 4623, Table 3]

31. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during four consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired upon detection. [District Rule 2520, 9.3.2]

32. Upon detection of a liquid leak greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rule 4623, Table 3]

33. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rule 4623, Table 3]

34. Components found to be leaking either liquids or gases shall be immediately affixed with a tag showing the component to be leaking. [District Rule 4623, Table 3]

35. Leaking components that have been discovered by the operator that have been immediately tagged and repaired within the timeframes specified in District Rule 4623, Table 3 shall not constitute a violation of this

rule. Leaking components as defined by District Rule 4623 discovered by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within the timeframes specified in District Rule 4623, Table 3 shall constitute a violation of this rule. [District Rule 4623, Table 3]

36. If a component type for a given tank is found to leak during an annual inspection, operator shall conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, the operator may revert to annual inspections. [District Rule 4623, Table 3]

37. Any component found to be leaking on two consecutive annual inspections is in violation of District Rule 4623, even if covered under the voluntary inspection and maintenance program. [District Rule 4623, Table 3]

38. The operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date and time of leak detection, and method of detection; 3) Date and time of leak repair, and emission level of recheck after leak is repaired; 4) Method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rule 2520, 9.4.1]

39. Permittee shall maintain records of dates of periodic tank inspections, start and completion dates/times of tank cleaning activities, and methods of cleaning used. [District Rule 4623]

40. Permittee shall keep accurate records of throughput, storage temperature, of liquids stored and shall make such records available for District inspection upon request. [District Rule 1070 & 2201]

41. Permittee shall keep accurate records of throughput, Reid vapor pressure and storage temperature of liquids stored and shall make such records available for District inspection upon request. [District Rule 1070 & 2201]

**PERMIT NUMBER:** S-1423-13

**SECTION:** NA **TOWNSHIP:** NA **RANGE:** NA

**PERMIT TYPE:** PTO

**PERMIT MODIFICATION NUMBER:** 0

**EQUIPMENT DESCRIPTION:**

UP TO 2,500 BBL FIXED ROOF TANK VENTED TO VAPOR CONTROL SYSTEM LISTED ON S-1423-1 (STATION 31)

## CONDITIONS

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1. Except as otherwise provided in this permit, all piping, valves, and fittings shall be constructed and maintained in a leak-free condition. [District Rule 4623]
2. Except as otherwise provided in this permit, a leak-free condition is defined as a condition without a gas or liquid leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. [District Rule 4623]
3. Except as otherwise provided in this permit, any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a leak-free cover which shall be closed at all times except during gauging or sampling. [District Rule 4623]
4. Except as otherwise provided for on this permit, this tank shall only vent to the vapor control system listed on S-1423-1. [District Rules 2201 and 4623]
5. VOC fugitive emissions from the components in gas and liquid service on the tank shall not exceed 9.7 lb/day. [District Rule 2201]
6. Permittee shall maintain accurate component count for tank according to EPA's "Protocol for Equipment Leak Emission Estimate," Table 2-4 (EPA-453/R-95-017), Oil and Gas Production Operations Average Emission Factors. Permittee shall update such records when new components are approved and installed. [District Rule 2201]
7. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rule 4623]
8. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rule 4623]
9. Components found to be leaking either liquids or gases shall be immediately affixed with a tag showing the component to be leaking. [District Rule 4623]

10. Leaking components that have been discovered by the operator that have been immediately tagged and repaired within the timeframes specified in District Rule 4623, Table 3 shall not constitute a violation of this rule. Leaking components as defined by District Rule 4623 discovered by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within the timeframes specified in District Rule 4623, Table 3 shall constitute a violation of this rule. [District Rule 4623]
11. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 4623]
12. Any component found to be leaking by the operator on two consecutive annual inspections is in violation of the District Rule 4623, even if it is under the voluntary inspection and maintenance program. [District Rule 4623]
13. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2080]
14. Permittee shall conduct tank cleaning and maintenance activities in accordance with District approved procedures as described in this permit. [District Rule 4623]
15. Tank may be disconnected from vapor control system during District approved cleaning and maintenance procedures as described in this permit. [District Rule 4623]
16. This permit authorizes tank cleaning that is not the result of breakdowns or poor maintenance as a routine maintenance activity. [District Rule 2020]
17. Permittee shall notify the APCO in writing at least three (3) days prior to performing tank degassing and interior tank cleaning activities. Written notification shall include the following: 1) the Permit to Operate number and physical location of the tank being degassed, 2) the date and time that tank degassing and cleaning activities will begin, 3) the degassing method, as allowed in this permit, to be used, 4) the method to be used to clean the tank, including any solvents to be used, and 5) the method to be used to dispose of any removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport. [District Rule 4623]
18. This tank shall be degassed before commencing interior cleaning by one of the following methods (1) exhausting VOCs contained in the tank vapor space to an APCO-approved vapor recovery system until the organic vapor concentration is 5,000 ppmv or less, or is 10 percent or less of the lower explosion limit (LEL), whichever is less; or (2) displacing VOCs contained in the tank vapor space to an APCO-approved vapor recovery system by filling the tank with a suitable liquid until 90 percent or more of the maximum operating level of the tank is filled. Suitable liquids are organic liquids having a TVP of less than 0.5 psia, water, clean produced water, or produced water derived from crude oil having a TVP less than 0.5 psia; or (3) displacing VOCs contained in the tank vapor space to an APCO-approved vapor recovery system by filling the tank with a suitable gas. Degassing shall continue until the operator has achieved a vapor displacement equivalent to at

least 2.3 times the tank capacity. Suitable gases are air, nitrogen, carbon dioxide, or natural gas containing less than 10 percent VOC by weight. [District Rule 4623]

19. During tank degassing, the operator shall discharge or displace organic vapors contained in the tank vapor space to an APCO-approved vapor recovery system. [District Rule 4623]

20. To facilitate connection to an external APCO-approved recovery system, a suitable tank fitting, such as a manway, may be temporarily removed for a period of time not to exceed 1 hour. [District Rule 4623]

21. This tank shall be in compliance with the applicable requirements of District Rule 4623 at all times during draining, degassing, and refilling the tank with an organic liquid. [District Rule 4623]

22. After a tank has been degassed pursuant to the requirements of this permit, vapor control requirements are not applicable until an organic liquid is placed, held, or stored in this tank. [District Rule 4623]

23. While performing tank cleaning activities, operators may only use the following cleaning agents: water, diesel, solvents with an initial boiling point of greater than 302 degrees F, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams of VOC per liter or less. [District Rule 4623]

24. Steam cleaning shall only be allowed at locations where wastewater treatment facilities are limited, or during the months of December through March. [District Rule 4623]

25. During sludge removal from the tank containing an organic liquid with a TVP or 1.5 psia or greater, the operator shall control emissions from the sludge receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95%. [District Rule 4623]

26. Permittee shall only transport removed sludge from a tank containing an organic liquid with a TVP of 1.5 psia or greater, in closed liquid leak-free containers. [District Rule 4623]

27. Permittee shall store removed sludge from tanks containing organic liquids with a true vapor pressure of 1.5 psia or greater, until final disposal, in vapor leak-free containers, or in tanks complying with the vapor control requirements of District Rule 4623. Sludge that is to be used to manufacture roadmix, as defined in District Rule 2020, is not required to be stored in this manner. Roadmix manufacturing operations exempt pursuant to District Rule 2020 shall maintain documentation of their compliance with Rule 2020, and shall readily make said documentation available for District inspection upon request. [District Rules 2020 and 4623]

28. All records of required monitoring data and support information shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 2201 and 4623]

## **VIII. Appendix B: San Joaquin Valley APCD 2019 Emissions Inventory**



## Facility Totals

<b>CAS</b>	<b>Pollutant Name</b>	<b>Emissions</b>			
42101	Carbon Monoxide	2.93E+00	TONS-YR	3.46E-02	TONS-HR
42603	Oxides of Nitrogen	4.97E+01	TONS-YR	2.62E-02	TONS-HR
42401	Oxides of sulfur	2.23E+00	TONS-YR	1.20E-03	TONS-HR
85101	Particulate Matter (10 Microns or Less)	1.72E+01	TONS-YR	6.76E-03	TONS-HR
16113	Reactive Organic Gas	1.88E+01	TONS-YR	1.04E-02	TONS-HR
9901	Diesel engine exhaust, particulate matter (Diesel PM)	8.91E+00	LB-YR	2.72E-01	LB-HR

MT = Metric Ton = 2,204.6 pounds

Date / Time Printed 4/21/2020  
9:14:45 AM

**Emission Statement - Calendar Year 2019 Emissions**

UTM Zone : 11  
UTM East: 263.8  
UTM North: 3900.8

**Please Sign and Return to:**  
San Joaquin Valley APCD  
1990 East Gettysburg Avenue  
Fresno, CA 93726

Facility ID # S - 1141  
TAD # 15 - 1141  
SIC # 1311 NAICS 211111  
Facility Name CHEVRON USA INC  
TOXID # 50219  
Planning Inventory: 3170

CHECK BOX IF PROCESS RATES ARE CONFIDENTIAL :



**Note: NH3 emissions are in lbs / yr**

Device ID #	Process #	Equipment Type	Yearly Process Rate	Units	NOX Lb / Unit	VOC Lb / Unit	SOX Lb / Unit	CO Lb / Unit	PM10 Lb / Unit	NH3 Lb / Unit	
				Source Classification Code							
19	1	62.5 MMBtu/Hr Steam Gen - NG	201.2076	MILLION CUBIC FEET BURNED	13.07	2.87	.0	.0	3.07	.0	
				31000414	1.31	.29	.0	.0	.31	.0	(Tons/Yr)
19	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
26	1	62.5 MMBtu/Hr Steam Gen - NG - DEU	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
26	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas - DEU	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
31	1	62.5 MMBtu/Hr Steam Gen - NG - DEU	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
31	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas - DEU	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
38	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	12.12	6.21	.0	.0	14.48	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
38	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
43	1	62.5 MMBtu/Hr Steam Gen - NG	103.3029	MILLION CUBIC FEET BURNED	15.0	5.73	.0	.0	3.07	.0	
				10100601	.77	.3	.0	.0	.16	.0	(Tons/Yr)
43	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
44	1	62.5 MMBtu/Hr Steam Gen - NG	444.13	MILLION CUBIC FEET BURNED	12.88	3.1	.02	.0	3.1	.0	
				31000414	2.86	.69	.0	.0	.69	.0	(Tons/Yr)
44	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
45	1	62.5 MMBtu/Hr Steam Gen - NG	373.632	MILLION CUBIC FEET BURNED	17.33	3.1	.02	.0	3.1	.0	
				31000414	3.24	.58	.0	.0	.58	.0	(Tons/Yr)
45	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
46	1	62.5 MMBtu/Hr Steam Gen - NG	204.2744	MILLION CUBIC FEET BURNED	8.28	3.09	.03	.0	3.09	.0	
				31000414	.85	.32	.0	.0	.32	.0	(Tons/Yr)

Date / Time Printed 4/21/2020  
9:14:45 AM

### Emission Statement - Calendar Year 2019 Emissions

UTM Zone : 11  
UTM East: 263.8  
UTM North: 3900.8

**Please Sign and Return to:**  
San Joaquin Valley APCD  
1990 East Gettysburg Avenue  
Fresno, CA 93726

Facility ID # S - 1141  
TAD # 15 - 1141  
SIC # 1311 NAICS 211111  
Facility Name CHEVRON USA INC  
TOXID # 50219  
Planning Inventory: 3170

CHECK BOX IF PROCESS RATES ARE CONFIDENTIAL :

N

**Note: NH3 emissions are in lbs / yr**

Device ID #	Process #	Equipment Type	Yearly Process Rate	Units	NOX Lb / Unit	VOC Lb / Unit	SOX Lb / Unit	CO Lb / Unit	PM10 Lb / Unit	NH3 Lb / Unit	
				Source Classification Code							
46	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
47	1	62.5 MMBtu/Hr Steam Gen - NG (DEU)	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
47	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas (DEU)	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
48	1	62.5 MMBtu/Hr Steam Gen - NG (DEU)	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
48	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas (DEU)	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
49	1	62.5 MMBtu/Hr Steam Gen - NG (DEU)	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
49	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas (DEU)	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
50	1	62.5 MMBtu/Hr Steam Gen - NG (DEU)	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
50	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas (DEU)	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
51	1	62.5 MMBtu/Hr Steam Gen - NG	112.3647	MILLION CUBIC FEET BURNED	12.43	3.07	.0	.0	3.07	.0	
				10100602	.7	.17	.0	.0	.17	.0	(Tons/Yr)
51	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
52	1	62.5 MMBtu/Hr Steam Gen - NG (DEU)	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
52	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas (DEU)	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
53	1	69 MMBtu/Hr Steam Gen - NG	194.7147	MILLION CUBIC FEET BURNED	10.39	3.09	.04	.0	3.09	.0	
				31000414	1.01	.3	.0	.0	.3	.0	(Tons/Yr)
53	2	69 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)

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**Emission Statement - Calendar Year 2019 Emissions**

UTM Zone : 11  
UTM East: 263.8  
UTM North: 3900.8

**Please Sign and Return to:**  
San Joaquin Valley APCD  
1990 East Gettysburg Avenue  
Fresno, CA 93726

Facility ID # S - 1141  
TAD # 15 - 1141  
SIC # 1311 NAICS 211111  
Facility Name CHEVRON USA INC  
TOXID # 50219  
Planning Inventory: 3170

CHECK BOX IF PROCESS RATES ARE CONFIDENTIAL :



**Note: NH3 emissions are in lbs / yr**

Device ID #	Process #	Equipment Type	Yearly Process Rate	Units	NOX Lb / Unit	VOC Lb / Unit	SOX Lb / Unit	CO Lb / Unit	PM10 Lb / Unit	NH3 Lb / Unit	
				Source Classification Code							
55	1	62.5 MMBtu/Hr Steam Gen - NG (DEU)	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
55	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas (DEU)	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
60	1	62.5 MMBtu/Hr Steam Gen - NG (DEU)	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
60	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas (DEU)	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
61	1	69 MMBtu/Hr Steam Gen - NG	361.7767	MILLION CUBIC FEET BURNED	8.47	3.1	.02	.0	3.1	.0	
				10100601	1.53	.56	.0	.0	.56	.0	(Tons/Yr)
61	2	69 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
67	1	62.5 MMBtu/Hr Steam Gen - NG	231.1965	MILLION CUBIC FEET BURNED	14.62	3.07	.0	.0	3.07	.0	
				31000414	1.69	.35	.0	.0	.35	.0	(Tons/Yr)
67	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
127	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
128	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
129	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
130	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
131	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
168	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
214	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	2000.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)

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**Emission Statement - Calendar Year 2019 Emissions**

UTM Zone : 11  
UTM East: 263.8  
UTM North: 3900.8

**Please Sign and Return to:**  
San Joaquin Valley APCD  
1990 East Gettysburg Avenue  
Fresno, CA 93726

Facility ID # S - 1141  
TAD # 15 - 1141  
SIC # 1311 NAICS 211111  
Facility Name CHEVRON USA INC  
TOXID # 50219  
Planning Inventory: 3170

CHECK BOX IF PROCESS RATES ARE CONFIDENTIAL :



**Note: NH3 emissions are in lbs / yr**

Device ID #	Process #	Equipment Type	Yearly Process Rate	Units	NOX Lb / Unit	VOC Lb / Unit	SOX Lb / Unit	CO Lb / Unit	PM10 Lb / Unit	NH3 Lb / Unit	
				Source Classification Code							
215	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	2000.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
250	1	TEOR System with 2,906 Wells	0	WELLS/YEAR IN OPERATION	.0	.0	.0	.0	.0	.0	
				31000101	.0	.0	.0	.0	.0	.0	(Tons/Yr)
253	1	TEOR System with 556 Wells	0	WELLS/YEAR IN OPERATION	.0	.0	.0	.0	.0	.0	
				31000101	.0	.0	.0	.0	.0	.0	(Tons/Yr)
263	1	TEOR System with 184 Wells	0	WELLS/YEAR IN OPERATION	.0	.0	.0	.0	.0	.0	
				31000101	.0	.0	.0	.0	.0	.0	(Tons/Yr)
317	1	TEOR System with 850 Wells	0	WELLS/YEAR IN OPERATION	.0	.0	.0	.0	.0	.0	
				31000101	.0	.0	.0	.0	.0	.0	(Tons/Yr)
320	1	TEOR System with 488 Wells	0	WELLS/YEAR IN OPERATION	.0	.0	.0	.0	.0	.0	
				31000101	.0	.0	.0	.0	.0	.0	(Tons/Yr)
352	1	166 bhp IC Engine - Testing - Diesel	0	1000 GALLONS BURNED	500.67	40.6	.21	107.9	6.47	.0	
				20200102	.0	.0	.0	.0	.0	.0	(Tons/Yr)
352	2	166 bhp IC Engine - Emergency - Diesel	0	1000 GALLONS BURNED	500.67	40.6	.21	107.9	35.54	.0	
				20200102	.0	.0	.0	.0	.0	.0	(Tons/Yr)
353	1	166 bhp IC Engine - Testing - Diesel	0	1000 GALLONS BURNED	500.67	40.6	.21	107.9	35.54	.0	
				20200102	.0	.0	.0	.0	.0	.0	(Tons/Yr)
353	2	166 bhp IC Engine - Emergency - Diesel	0	1000 GALLONS BURNED	500.67	40.6	.21	107.9	35.54	.0	
				20200102	.0	.0	.0	.0	.0	.0	(Tons/Yr)
354	1	166 bhp IC Engine - Testing - Diesel	0.55	1000 GALLONS BURNED	500.67	40.6	.21	107.9	6.47	.0	
				20200102	.14	.01	.0	.03	.0	.0	(Tons/Yr)
354	2	166 bhp IC Engine - Emergency - Diesel	0	1000 GALLONS BURNED	500.67	40.6	.21	107.9	35.54	.0	
				20200102	.0	.0	.0	.0	.0	.0	(Tons/Yr)
355	1	166 bhp IC Engine - Testing - Diesel	0.11017	1000 GALLONS BURNED	500.67	40.6	.21	107.9	6.47	.0	
				20200102	.03	.0	.0	.01	.0	.0	(Tons/Yr)
355	2	166 bhp IC Engine - Emergency - Diesel	0	1000 GALLONS BURNED	500.67	40.6	.21	107.9	35.54	.0	
				20200102	.0	.0	.0	.0	.0	.0	(Tons/Yr)
363	1	12 MMBtu/Hr Heater Treater - NG	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000404	.0	.0	.0	.0	.0	.0	(Tons/Yr)

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**Emission Statement - Calendar Year 2019 Emissions**

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1990 East Gettysburg Avenue  
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Facility ID # S - 1141  
TAD # 15 - 1141  
SIC # 1311 NAICS 211111  
Facility Name CHEVRON USA INC  
TOXID # 50219  
Planning Inventory: 3170

CHECK BOX IF PROCESS RATES ARE CONFIDENTIAL :



**Note: NH3 emissions are in lbs / yr**

Device ID #	Process #	Equipment Type	Yearly Process Rate	Units	NOX Lb / Unit	VOC Lb / Unit	SOX Lb / Unit	CO Lb / Unit	PM10 Lb / Unit	NH3 Lb / Unit	
				Source Classification Code							
366	1	TEOR System with 171 Wells	0	WELLS/YEAR IN OPERATION	.0	.0	.0	.0	.0	.0	
				31000101	.0	.0	.0	.0	.0	.0	(Tons/Yr)
368	1	62.5 MMBtu/Hr Steam Gen - NG	210.11	MILLION CUBIC FEET BURNED	13.69	5.95	.0	.0	3.09	.0	
				31000414	1.44	.63	.0	.0	.32	.0	(Tons/Yr)
368	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	13.21	5.5	1138.34	.0	1.24	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
369	1	62.5 MMBtu/Hr Steam Gen - NG	222.8335	MILLION CUBIC FEET BURNED	14.85	5.63	.0	.0	3.07	.0	
				31000414	1.65	.63	.0	.0	.34	.0	(Tons/Yr)
369	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
370	1	62.5 MMBtu/Hr Steam Gen - NG	292.6849	MILLION CUBIC FEET BURNED	11.92	5.63	.0	.0	3.07	.0	
				10100601	1.74	.82	.0	.0	.45	.0	(Tons/Yr)
370	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
371	1	62.5 MMBtu/Hr Steam Gen - NG	86.74881	MILLION CUBIC FEET BURNED	12.61	5.63	.0	.0	3.07	.0	
				31000414	.55	.24	.0	.0	.13	.0	(Tons/Yr)
371	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
372	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	10.74	5.58	.0	.08	6.09	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
372	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
373	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	15.28	5.73	.0	.08	6.11	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
373	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
374	1	62.5 MMBtu/Hr Steam Gen - NG	272.9059	MILLION CUBIC FEET BURNED	12.85	5.68	.0	.0	3.1	.0	
				31000414	1.75	.78	.0	.0	.42	.0	(Tons/Yr)
374	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)

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**Emission Statement - Calendar Year 2019 Emissions**

UTM Zone : 11  
UTM East: 263.8  
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Facility ID # S - 1141  
TAD # 15 - 1141  
SIC # 1311 NAICS 211111  
Facility Name CHEVRON USA INC  
TOXID # 50219  
Planning Inventory: 3170

CHECK BOX IF PROCESS RATES ARE CONFIDENTIAL :



**Note: NH3 emissions are in lbs / yr**

Device ID #	Process #	Equipment Type	Yearly Process Rate	Units	NOX Lb / Unit	VOC Lb / Unit	SOX Lb / Unit	CO Lb / Unit	PM10 Lb / Unit	NH3 Lb / Unit	
				Source Classification Code							
376	1	62.5 MMBtu/Hr Steam Gen - NG	166.3997	MILLION CUBIC FEET BURNED	12.52	5.68	.0	.0	3.1	.0	
				31000414	1.04	.47	.0	.0	.26	.0	(Tons/Yr)
376	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
377	1	62.5 MMBtu/Hr Steam Gen - NG	296.8372	MILLION CUBIC FEET BURNED	13.51	5.69	.0	.0	3.11	.0	
				31000414	2.01	.84	.0	.0	.46	.0	(Tons/Yr)
377	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
378	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	12.2	5.71	.0	.0	6.23	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
378	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
380	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	13.54	5.7	.0	.0	6.22	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
380	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	BARRELS WASTE LIQUID	.0	.0	.0	.0	.0	.0	
				31000501	.0	.0	.0	.0	.0	.0	(Tons/Yr)
385	1	Crude Oil Truck Loading/Unloading Op	0.5294	1000 GALLONS TRANSFERRED	.0	2000.0	.0	.0	.0	.0	
				40400250	.0	.53	.0	.0	.0	.0	(Tons/Yr)
386	1	Crude Oil Truck Loading/Unloading Op	0.5294	1000 GALLONS TRANSFERRED	.0	2000.0	.0	.0	.0	.0	
				40400250	.0	.53	.0	.0	.0	.0	(Tons/Yr)
387	1	Fixed Roof Tank	0.1956	1000 GALLONS THROUGHPUT	.0	2000.0	.0	.0	.0	.0	
				40301099	.0	.2	.0	.0	.0	.0	(Tons/Yr)
388	1	Fixed Roof Tank	0.4352	1000 GALLONS THROUGHPUT	.0	2000.0	.0	.0	.0	.0	
				40301099	.0	.44	.0	.0	.0	.0	(Tons/Yr)
402	1	62.5 MMBtu/Hr Steam Gen - NG - DEU	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
402	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas - DEU	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
426	1	1,512 Steam Enhanced Wells	0	WELLS/YEAR IN OPERATION	.0	.0	.0	.0	.0	.0	
				31000101	.0	.0	.0	.0	.0	.0	(Tons/Yr)

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Facility Name CHEVRON USA INC  
TOXID # 50219  
Planning Inventory: 3170

CHECK BOX IF PROCESS RATES ARE CONFIDENTIAL :

**N**

**Note: NH3 emissions are in lbs / yr**

Device ID #	Process #	Equipment Type	Yearly Process Rate	Units	NOX Lb / Unit	VOC Lb / Unit	SOX Lb / Unit	CO Lb / Unit	PM10 Lb / Unit	NH3 Lb / Unit	
				Source Classification Code							
430	1	TEOR With 78 Wells	0	WELLS/YEAR IN OPERATION	.0	.0	.0	.0	.0	.0	
				31000101	.0	.0	.0	.0	.0	.0	(Tons/Yr)
431	1	62.5 MMBtu/Hr Steam Gen - NG	194.0107	MILLION CUBIC FEET BURNED	12.33	5.69	.0	.0	3.1	.0	
				31000414	1.2	.55	.0	.0	.3	.0	(Tons/Yr)
432	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	12.84	5.71	.0	.0	7.89	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
432	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
479	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
481	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
482	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
483	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
484	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
485	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
486	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
495	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
496	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
497	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
498	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)



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**Emission Statement - Calendar Year 2019 Emissions**

UTM Zone : 11  
UTM East: 263.8  
UTM North: 3900.8

**Please Sign and Return to:**  
San Joaquin Valley APCD  
1990 East Gettysburg Avenue  
Fresno, CA 93726

Facility ID # S - 1141  
TAD # 15 - 1141  
SIC # 1311 NAICS 211111  
Facility Name CHEVRON USA INC  
TOXID # 50219  
Planning Inventory: 3170

CHECK BOX IF PROCESS RATES ARE CONFIDENTIAL :



**Note: NH3 emissions are in lbs / yr**

Device ID #	Process #	Equipment Type	Yearly Process Rate	Units	NOX Lb / Unit	VOC Lb / Unit	SOX Lb / Unit	CO Lb / Unit	PM10 Lb / Unit	NH3 Lb / Unit	
				Source Classification Code							
500	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
501	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
513	1	167 MMBtu/Hr Flare - NG Pilot Fuel Combustion	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				39990023	.0	.0	.0	.0	.0	.0	(Tons/Yr)
513	2	167 MMBtu/Hr Flare - NG Combustion	2.11	MILLION CUBIC FEET BURNED	69.62	64.5	.0	378.83	26.62	.0	
				39990023	.07	.07	.0	.4	.03	.0	(Tons/Yr)
513	3	167 MMBtu/Hr Flare - Waste/Field Gas Combustion	0.53	MILLION CUBIC FEET BURNED	36.55	33.87	2407.49	198.9	13.98	.0	
				39990024	.01	.01	.64	.05	.0	.0	(Tons/Yr)
514	1	167 MMBtu/Hr Flare - NG Pilot Fuel Combustion	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				39990023	.0	.0	.0	.0	.0	.0	(Tons/Yr)
514	2	167 MMBtu/Hr Flare - NG Combustion	0	MILLION CUBIC FEET BURNED	70.83	65.62	.0	385.37	8.33	.0	
				39990023	.0	.0	.0	.0	.0	.0	(Tons/Yr)
514	3	167 MMBtu/Hr Flare - Waste/Field Gas Combustion	0	MILLION CUBIC FEET BURNED	54.56	50.55	4610.48	296.88	6.42	.0	
				39990024	.0	.0	.0	.0	.0	.0	(Tons/Yr)
515	1	62.5 MMBtu/Hr Steam Gen - NG (DEU)	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
515	2	62.5 MMBtu/Hr Steam Gen - Waste Gas (DEU)	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
516	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
516	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
517	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
517	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
518	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)

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**Emission Statement - Calendar Year 2019 Emissions**

UTM Zone : 11  
UTM East: 263.8  
UTM North: 3900.8

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San Joaquin Valley APCD  
1990 East Gettysburg Avenue  
Fresno, CA 93726

Facility ID # S - 1141  
TAD # 15 - 1141  
SIC # 1311 NAICS 211111  
Facility Name CHEVRON USA INC  
TOXID # 50219  
Planning Inventory: 3170

CHECK BOX IF PROCESS RATES ARE CONFIDENTIAL :



**Note: NH3 emissions are in lbs / yr**

Device ID #	Process #	Equipment Type	Yearly Process Rate	Units	NOX Lb / Unit	VOC Lb / Unit	SOX Lb / Unit	CO Lb / Unit	PM10 Lb / Unit	NH3 Lb / Unit	
				Source Classification Code							
518	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
519	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
519	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
520	1	62.5 MMBtu/Hr Steam Gen - NG	389.952	MILLION CUBIC FEET BURNED	16.33	2.79	.01	.0	3.1	.0	
				31000414	3.18	.54	.0	.0	.6	.0	(Tons/Yr)
520	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
521	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
521	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
522	1	62.5 MMBtu/Hr Steam Gen - NG	165.7689	MILLION CUBIC FEET BURNED	13.33	2.79	.0	.0	3.1	.0	
				31000414	1.1	.23	.0	.0	.26	.0	(Tons/Yr)
522	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
523	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	13.29	6.22	.0	.0	14.51	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
523	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
524	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	14.13	5.58	.0	.0	6.09	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
524	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
525	1	62.5 MMBtu/Hr Steam Gen - NG	133.4035	MILLION CUBIC FEET BURNED	12.97	2.77	.05	.0	3.08	.0	
				31000414	.87	.19	.0	.0	.21	.0	(Tons/Yr)
525	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)

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**Emission Statement - Calendar Year 2019 Emissions**

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1990 East Gettysburg Avenue  
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Facility ID # S - 1141  
TAD # 15 - 1141  
SIC # 1311 NAICS 211111  
Facility Name CHEVRON USA INC  
TOXID # 50219  
Planning Inventory: 3170

CHECK BOX IF PROCESS RATES ARE CONFIDENTIAL :



**Note: NH3 emissions are in lbs / yr**

Device ID #	Process #	Equipment Type	Yearly Process Rate	Units	NOX Lb / Unit	VOC Lb / Unit	SOX Lb / Unit	CO Lb / Unit	PM10 Lb / Unit	NH3 Lb / Unit	
				Source Classification Code							
526	1	62.5 MMBtu/Hr Steam Gen - NG	339.4612	MILLION CUBIC FEET BURNED	13.0	2.79	.02	.03	3.09	.0	
				31000414	2.21	.47	.0	.01	.53	.0	(Tons/Yr)
526	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
527	1	62.5 MMBtu/Hr Steam Gen - NG	185.1505	MILLION CUBIC FEET BURNED	15.03	3.09	.04	.0	3.09	.0	
				31000414	1.39	.29	.0	.0	.29	.0	(Tons/Yr)
527	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
528	1	62.5 MMBtu/Hr Steam Gen - NG	254.5613	MILLION CUBIC FEET BURNED	14.19	2.78	.02	.0	3.09	.0	
				31000414	1.81	.35	.0	.0	.39	.0	(Tons/Yr)
528	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
529	1	69 MMBtu/Hr Steam Gen - NG	308.4241	MILLION CUBIC FEET BURNED	8.27	3.09	.02	.0	3.09	.0	
				31000414	1.28	.48	.0	.0	.48	.0	(Tons/Yr)
529	2	69 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
530	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
530	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
531	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
531	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
532	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
532	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
533	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)

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**Emission Statement - Calendar Year 2019 Emissions**

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Facility ID # S - 1141  
TAD # 15 - 1141  
SIC # 1311 NAICS 211111  
Facility Name CHEVRON USA INC  
TOXID # 50219  
Planning Inventory: 3170

CHECK BOX IF PROCESS RATES ARE CONFIDENTIAL :



**Note: NH3 emissions are in lbs / yr**

Device ID #	Process #	Equipment Type	Yearly Process Rate	Units	NOX Lb / Unit	VOC Lb / Unit	SOX Lb / Unit	CO Lb / Unit	PM10 Lb / Unit	NH3 Lb / Unit	
				Source Classification Code							
533	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
534	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
534	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
535	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
535	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
548	1	200 bhp Emerg IC Engine - Testing - Diesel	0.15	1000 GALLONS BURNED	500.67	40.6	.18	107.9	6.47	.0	
				20200102	.04	.0	.0	.01	.0	.0	(Tons/Yr)
548	2	200 bhp Emerg IC Engine - Emergency - Diesel	0	1000 GALLONS BURNED	500.67	40.6	.18	107.9	6.47	.0	
				20200102	.0	.0	.0	.0	.0	.0	(Tons/Yr)
549	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	13.08	3.03	.0	.07	96.91	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
549	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
550	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	13.0	3.05	.0	.0	74.17	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
550	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
551	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	10.34	6.06	.0	.0	78.81	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
551	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
552	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	11.1	6.09	.0	.0	79.15	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
552	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)

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**Emission Statement - Calendar Year 2019 Emissions**

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SIC # 1311 NAICS 211111  
Facility Name CHEVRON USA INC  
TOXID # 50219  
Planning Inventory: 3170

CHECK BOX IF PROCESS RATES ARE CONFIDENTIAL :



**Note: NH3 emissions are in lbs / yr**

Device ID #	Process #	Equipment Type	Yearly Process Rate	Units	NOX Lb / Unit	VOC Lb / Unit	SOX Lb / Unit	CO Lb / Unit	PM10 Lb / Unit	NH3 Lb / Unit	
				Source Classification Code							
553	1	62.5 MMBtu/Hr Steam Gen - NG	256.554	MILLION CUBIC FEET BURNED	12.77	6.14	.0	.0	3.07	.0	
				31000414	1.64	.79	.0	.0	.39	.0	(Tons/Yr)
553	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0.15	MILLION CUBIC FEET BURNED	.64	.32	.0	.0	4.11	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
554	1	62.5 MMBtu/Hr Steam Gen - NG	335.1223	MILLION CUBIC FEET BURNED	13.69	6.14	.0	.3	3.07	.0	
				31000414	2.29	1.03	.0	.05	.51	.0	(Tons/Yr)
554	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
555	1	62.5 MMBtu/Hr Steam Gen - NG	322.5579	MILLION CUBIC FEET BURNED	12.82	6.14	.0	11.78	12.64	.0	
				31000414	2.07	.99	.0	1.9	2.04	.0	(Tons/Yr)
555	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	108.42	MILLION CUBIC FEET BURNED	6.82	3.27	13.82	6.32	6.73	.0	
				31000415	.37	.18	.75	.34	.37	.0	(Tons/Yr)
556	1	62.5 MMBtu/Hr Steam Gen - NG	316.39	MILLION CUBIC FEET BURNED	12.77	6.14	.0	.54	12.65	.0	
				31000414	2.02	.97	.0	.09	2.0	.0	(Tons/Yr)
556	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	118.174	MILLION CUBIC FEET BURNED	6.58	3.27	8.06	.35	6.74	.0	
				31000415	.39	.19	.48	.02	.4	.0	(Tons/Yr)
557	1	62.5 MMBtu/Hr Steam Gen - NG	323.0004	MILLION CUBIC FEET BURNED	11.27	6.14	.0	.0	12.64	.0	
				31000414	1.82	.99	.0	.0	2.04	.0	(Tons/Yr)
557	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	48.89521	MILLION CUBIC FEET BURNED	6.88	3.31	13.67	.0	6.82	.0	
				31000415	.17	.08	.33	.0	.17	.0	(Tons/Yr)
558	1	62.5 MMBtu/Hr Steam Gen - NG	221.5896	MILLION CUBIC FEET BURNED	13.24	6.14	.0	.0	3.07	.0	
				31000414	1.47	.68	.0	.0	.34	.0	(Tons/Yr)
558	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0.0819	MILLION CUBIC FEET BURNED	.61	.32	.0	.0	5.06	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
560	1	Free Water Knockout Vessel	0	1000 GALS CRUDE TRANSFER	.0	.0	.0	.0	.0	.0	
				31000107	.0	.0	.0	.0	.0	.0	(Tons/Yr)
571	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
572	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)

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TOXID # 50219  
Planning Inventory: 3170

CHECK BOX IF PROCESS RATES ARE CONFIDENTIAL :

**N**

**Note: NH3 emissions are in lbs / yr**

Device ID #	Process #	Equipment Type	Yearly Process Rate	Units	NOX Lb / Unit	VOC Lb / Unit	SOX Lb / Unit	CO Lb / Unit	PM10 Lb / Unit	NH3 Lb / Unit	
				Source Classification Code							
575	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
576	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
577	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
578	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
579	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
580	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
581	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
582	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
583	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
585	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
590	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
591	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
594	1	62.5 MMBtu/Hr Steam Gen - NG	0	MILLION CUBIC FEET BURNED	11.29	5.6	.0	.0	5.19	.0	
				31000414	.0	.0	.0	.0	.0	.0	(Tons/Yr)
594	2	62.5 MMBtu/Hr Steam Gen - Waste/Field Gas	0	MILLION CUBIC FEET BURNED	.0	.0	.0	.0	.0	.0	
				31000415	.0	.0	.0	.0	.0	.0	(Tons/Yr)
598	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	2000.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)

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**Emission Statement - Calendar Year 2019 Emissions**

UTM Zone : 11  
UTM East: 263.8  
UTM North: 3900.8

**Please Sign and Return to:**  
San Joaquin Valley APCD  
1990 East Gettysburg Avenue  
Fresno, CA 93726

Facility ID # S - 1141  
TAD # 15 - 1141  
SIC # 1311 NAICS 211111  
Facility Name CHEVRON USA INC  
TOXID # 50219  
Planning Inventory: 3170

CHECK BOX IF PROCESS RATES ARE CONFIDENTIAL :

**N**

**Note: NH3 emissions are in lbs / yr**

Device ID #	Process #	Equipment Type	Yearly Process Rate	Units	NOX Lb / Unit	VOC Lb / Unit	SOX Lb / Unit	CO Lb / Unit	PM10 Lb / Unit	NH3 Lb / Unit	
				Source Classification Code							
599	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	2000.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
600	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	2000.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
601	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	2000.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
602	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	2000.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
603	1	Fixed Roof Tank	0	1000 GALLONS THROUGHPUT	.0	2000.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
604	1	500 BBL Crude Oil Tank	0	1000 GALLONS THROUGHPUT	.0	2000.0	.0	.0	.0	.0	
				40301099	.0	.0	.0	.0	.0	.0	(Tons/Yr)
609	1	324 bhp Emerg IC Engine - Testing - Diesel	0.7	1000 GALLONS BURNED	99.71	7.12	.21	92.59	5.23	.0	
				20200102	.03	.0	.0	.03	.0	.0	(Tons/Yr)
609	2	324 bhp Emerg IC Engine - Emergency - Diesel	0	1000 GALLONS BURNED	.0	.0	.0	.0	.0	.0	
				20200102	.0	.0	.0	.0	.0	.0	(Tons/Yr)

Date / Time Printed 4/21/2020  
9:14:46 AM

**Emission Statement - Calendar Year 2019 Emissions**

UTM Zone : 11  
UTM East: 263.8  
UTM North: 3900.8

**Please Sign and Return to:**  
San Joaquin Valley APCD  
1990 East Gettysburg Avenue  
Fresno, CA 93726

Facility ID # S - 1141  
TAD # 15 - 1141  
SIC # 1311 NAICS 211111  
Facility Name CHEVRON USA INC  
TOXID # 50219  
Planning Inventory: 3170

CHECK BOX IF PROCESS RATES ARE CONFIDENTIAL :  **N**

**Note: NH3 emissions are in lbs / yr**

Device ID #	Process #	Equipment Type	Yearly Process Rate	Units	NOX Lb / Unit	VOC Lb / Unit	SOX Lb / Unit	CO Lb / Unit	PM10 Lb / Unit	NH3 Lb / Unit
				Source Classification Code						
<b>Totals For the Facility (TONS / YEAR):</b>					49.73	18.76	2.23	2.93	17.17	.0

<p><b>Contact</b> Kristy Rapley</p> <p><b>Company</b> CHEVRON USA INC</p> <p><b>Address</b> 9525 CAMINO MEDIA</p> <p><b>City.State.Zip</b> BAKERSFIELD CA 93311</p> <p><b>Telephone</b> (661) 654 - 7148</p> <p><b>Email:</b> kristy.rapley@chevron.com</p> <p><b>Location of facility if different from above</b> CHEVRON USA INC HEAVY OIL WESTERN</p>	<p><b>Name and Title of Responsible Official</b></p> <p>_____</p> <p>_____</p>	<p>I certify that the information contained in the Emission Statement is accurate to the best of my knowledge.</p> <p>_____</p> <p>Signature of Responsible Official and Date</p>
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## Emission Statement - Calendar Year 2019 Emissions

Report Run Date	4/1/2020
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UTM	
Zone	11S
East	260652E
North	3.91033e+006N

Please Sign and return to:  
 San Joaquin Valley Unified APCD  
 1990 East Gettysburg Avenue  
 Fresno, CA 93726

Facility ID #	S-1141
TAD #	15-1141
SIC	1311
Facility Name	Chevron U.S.A. Inc.
Toxic ID #	50219

Check Box If Process Rates are Confidential :

\* Please Note: Emissions for NH3 are reported in Lbs / Year.

Device ID #	Process Number	Equipment Type and Process	Yearly Process Rate	Units Source Classification Code		NOX lb / Unit	VOC Lb / Unit	SOX lb / Unit	CO lb / Unit	PM10 Lb / Unit	NH3* Lb / Unit
19	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	201.21	Million Cubic Feet		13.07	2.87	0.00	0.00	3.07	0.00
				31000414	Tons	1.31	0.29	0.00	0.00	0.31	0.00
19	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
26	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
26	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
31	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
31	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
38	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
38	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
43	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	103.30	Million Cubic Feet		15.01	5.73	0.00	0.00	3.07	0.00
				31000414	Tons	0.78	0.30	0.00	0.00	0.16	0.00
43	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
44	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	444.13	Million Cubic Feet		12.88	3.10	0.02	0.00	3.10	0.00
				31000414	Tons	2.86	0.69	0.00	0.00	0.69	0.00
44	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
45	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	373.63	Million Cubic Feet		17.33	3.10	0.01	0.00	3.10	0.00
				31000414	Tons	3.24	0.58	0.00	0.00	0.58	0.00
45	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
46	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	204.27	Million Cubic Feet		8.28	3.09	0.03	0.00	3.09	0.00

				31000414	Tons	0.85	0.32	0.00	0.00	0.32	0.00
46	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
47	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
47	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
48	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
48	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
49	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
49	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
50	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
50	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
51	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	112.36	Million Cubic Feet		12.42	3.07	0.00	0.00	3.07	0.00
				31000414	Tons	0.70	0.17	0.00	0.00	0.17	0.00
51	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
52	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
52	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
53	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	194.71	Million Cubic Feet		10.39	3.09	0.04	0.00	3.09	0.00
				31000414	Tons	1.01	0.30	0.00	0.00	0.30	0.00
53	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
55	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
55	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
60	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
60	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
61	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	361.78	Million Cubic Feet		8.47	3.09	0.02	0.00	3.09	0.00

				31000414	Tons	1.53	0.56	0.00	0.00	0.56	0.00
61	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
67	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	231.20	Million Cubic Feet		14.62	3.07	0.00	0.00	3.07	0.00
				31000414	Tons	1.69	0.36	0.00	0.00	0.36	0.00
67	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
352	1	ICE - Diesel	0.00	1,000 Gallons		500.67	40.60	0.21	107.90	6.47	0.00
				20200102	Tons	0.00	0.00	0.00	0.00	0.00	0.00
353	1	ICE - Diesel	0.00	1,000 Gallons		Zero	Zero	Zero	Zero	Zero	Zero
				20200102	Tons	0.00	0.00	0.00	0.00	0.00	0.00
354	1	ICE - Diesel	0.55	1,000 Gallons		500.67	40.60	0.21	107.90	6.47	0.00
				20200102	Tons	0.14	0.01	0.03	0.01	0.01	0.00
355	1	ICE - Diesel	0.11	1,000 Gallons		500.67	40.60	0.21	107.90	6.47	0.00
				20200102	Tons	0.03	0.00	0.01	0.00	0.00	0.00
369	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	222.83	Million Cubic Feet		14.85	5.63	0.00	0.00	3.07	0.00
				31000414	Tons	1.65	0.63	0.00	0.00	0.34	0.00
369	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
370	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	292.68	Million Cubic Feet		11.92	5.63	0.00	0.00	3.07	0.00
				31000414	Tons	1.74	0.82	0.00	0.00	0.45	0.00
370	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
371	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	86.75	Million Cubic Feet		12.61	5.63	0.00	0.00	3.07	0.00
				31000414	Tons	0.55	0.24	0.00	0.00	0.13	0.00
371	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
372	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
372	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
373	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
373	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
374	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	272.90	Million Cubic Feet		12.85	5.68	0.00	0.00	3.10	0.00
				31000414	Tons	1.75	0.78	0.00	0.00	0.42	0.00
374	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
376	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	166.40	Million Cubic Feet		12.52	5.68	0.00	0.00	3.10	0.00
				31000414	Tons	1.04	0.47	0.00	0.00	0.26	0.00
376	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00

377	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	296.84	Million Cubic Feet		13.51	5.69	0.00	0.00	3.10	0.00
				31000414	Tons	2.01	0.84	0.00	0.00	0.46	0.00
377	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
378	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
378	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
380	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
380	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
402	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
402	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
431	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	194.01	Million Cubic Feet		12.33	5.69	0.00	0.00	3.10	0.00
				31000414	Tons	1.20	0.55	0.00	0.00	0.30	0.00
432	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
432	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
513	1	Flare - PUC Quality NG (source 1)	2.11	Million Cubic Feet		69.62	64.50	0.00	378.83	26.62	0.00
				31000160	Tons	0.07	0.07	0.00	0.40	0.03	0.00
513	2	Flare - Waste/Field Gas (source 1)	0.53	Million Cubic Feet		36.55	33.87	2407.49	198.90	13.98	0.00
				31000160	Tons	0.01	0.01	0.64	0.05	0.00	0.00
514	1	Flare - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000160	Tons	0.00	0.00	0.00	0.00	0.00	0.00
514	2	Flare - LPG	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000160	Tons	0.00	0.00	0.00	0.00	0.00	0.00
514	3	Flare - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000160	Tons	0.00	0.00	0.00	0.00	0.00	0.00
515	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
515	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
516	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
516	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
517	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
517	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero

				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
518	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
518	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
519	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
519	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
520	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	389.95	Million Cubic Feet		16.33	2.79	0.01	0.00	3.10	0.00
				31000414	Tons	3.18	0.54	0.00	0.00	0.60	0.00
520	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
521	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
521	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
522	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	165.77	Million Cubic Feet		13.33	2.79	0.00	0.00	3.10	0.00
				31000414	Tons	1.10	0.23	0.00	0.00	0.26	0.00
522	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
523	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
523	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
524	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
524	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
525	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	133.40	Million Cubic Feet		12.97	2.77	0.05	0.00	3.08	0.00
				31000414	Tons	0.87	0.19	0.00	0.00	0.21	0.00
525	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
526	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	339.46	Million Cubic Feet		13.00	2.79	0.02	0.03	3.09	0.00
				31000414	Tons	2.21	0.47	0.00	0.01	0.53	0.00
526	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
527	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	185.15	Million Cubic Feet		15.03	3.09	0.04	0.00	3.09	0.00
				31000414	Tons	1.39	0.29	0.00	0.00	0.29	0.00
527	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero

				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
528	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	254.56	Million Cubic Feet		14.19	2.78	0.02	0.00	3.09	0.00
				31000414	Tons	1.81	0.35	0.00	0.00	0.39	0.00
528	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
529	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	308.42	Million Cubic Feet		8.27	3.09	0.02	0.00	3.09	0.00
				31000414	Tons	1.28	0.48	0.00	0.00	0.48	0.00
529	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
530	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
530	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
531	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
531	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
532	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
532	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
533	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
533	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
534	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
534	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
535	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
535	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
548	1	ICE - Diesel	0.15	1,000 Gallons		500.67	40.60	0.18	107.90	6.47	0.00
				20200102	Tons	0.04	0.00	0.01	0.00	0.00	0.00
549	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
549	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
550	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00

550	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
551	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
551	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
552	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
552	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
553	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	256.55	Million Cubic Feet		12.77	6.14	0.00	0.00	3.07	0.00
				31000414	Tons	1.64	0.79	0.00	0.00	0.39	0.00
553	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.15	Million Cubic Feet		0.64	0.32	0.00	0.00	4.11	0.00
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
554	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	335.12	Million Cubic Feet		13.69	6.14	0.00	0.30	3.07	0.00
				31000414	Tons	2.29	1.03	0.00	0.05	0.51	0.00
554	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
555	1	Steam Generator - Scrubbed - PUC Quality NG (source 1)	322.56	Million Cubic Feet		12.82	6.14	0.00	11.78	12.64	0.00
				31000414	Tons	2.07	0.99	0.00	1.90	2.04	0.00
555	2	Steam Generator - Scrubbed - Waste/Field Gas (source 1)	108.42	Million Cubic Feet		6.82	3.27	13.82	6.32	6.73	0.00
				10200602	Tons	0.37	0.18	0.75	0.34	0.37	0.00
556	1	Steam Generator - Scrubbed - PUC Quality NG (source 1)	316.39	Million Cubic Feet		12.77	6.14	0.00	0.54	12.64	0.00
				31000414	Tons	2.02	0.97	0.00	0.09	2.00	0.00
556	2	Steam Generator - Scrubbed - Waste/Field Gas (source 1)	118.17	Million Cubic Feet		6.58	3.27	8.06	0.35	6.74	0.00
				10200602	Tons	0.39	0.19	0.48	0.02	0.40	0.00
557	1	Steam Generator - Scrubbed - PUC Quality NG (source 1)	323.00	Million Cubic Feet		11.27	6.14	0.00	0.00	12.64	0.00
				31000414	Tons	1.82	0.99	0.00	0.00	2.04	0.00
557	2	Steam Generator - Scrubbed - Waste/Field Gas (source 1)	48.90	Million Cubic Feet		6.88	3.31	13.67	0.00	6.82	0.00
				10200602	Tons	0.17	0.08	0.33	0.00	0.17	0.00
558	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	221.59	Million Cubic Feet		13.24	6.14	0.00	0.00	3.07	0.00
				31000414	Tons	1.47	0.68	0.00	0.00	0.34	0.00
558	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.08	Million Cubic Feet		0.61	0.32	0.00	0.00	5.06	0.00
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
594	1	Steam Generator - Unscrubbed - PUC Quality NG (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				31000414	Tons	0.00	0.00	0.00	0.00	0.00	0.00
594	2	Steam Generator - Unscrubbed - Waste/Field Gas (source 1)	0.00	Million Cubic Feet		Zero	Zero	Zero	Zero	Zero	Zero
				10200602	Tons	0.00	0.00	0.00	0.00	0.00	0.00
609	1	ICE - Diesel	0.70	1,000 Gallons		99.71	7.12	0.21	92.59	5.23	0.00
				20200102	Tons	0.04	0.00	0.03	0.00	0.00	0.00
				<b>Totals for Facility - Tons/Yr (NH3 Lb/Year)</b>		<b>49.74</b>	<b>17.29</b>	<b>2.48</b>	<b>3.10</b>	<b>17.43</b>	<b>0.00</b>

<b>Totals for Facility (Tonnes/Yr)</b>		<b>45.12</b>	<b>15.68</b>	<b>2.25</b>	<b>2.81</b>	<b>15.81</b>	<b>0.00</b>
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<b>Contact</b>	Kristy Rapley
<b>Company</b>	Chevron U.S.A. Inc.
<b>Address</b>	
<b>City, State, Zip</b>	
<b>Telephone</b>	661-654-7148
<b>Email Address</b>	
<b>Location of facility if different from above</b>	Chevron U.S.A. Inc.

**Name and Title of Responsible Official**

\_\_\_\_\_

\_\_\_\_\_

**I certify the information in the Emission Statement is accurate to the best of my knowledge.**

\_\_\_\_\_  
Signature of Responsible Official and Date



## Facility Totals

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CAS	Pollutant Name	Emissions
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MT = Metric Ton = 2,204.6 pounds



**SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT**

1990 E. Gettysburg Ave., Fresno, CA 93726

(559) 230 - 6000 FAX: (559) 230 - 6061

**District BCode 7**

**SURVEY FOR THE ANNUAL EMISSION INVENTORY : 2019**

**CHEVRON USA INC**

PO BOX 1392

BAKERSFIELD, CA 93302

FACILITY ID# : **S-1423**

TAD #: 15-456

SIC #: 1311

PHONE #: (661) 654-7486

SITE ADDRESS : MIDWAY SUNSET BLENDING FACILITY (STATION 31)

**Is this information considered:**

- CONFIDENTIAL
- NOT CONFIDENTIAL

**Note: All requests for confidentiality must be supported by a written justification ( Title 17, section 91010, California Administrative Code)**

WorkSheet for Permit # : S-1423-1-7

20,000 BBL FIXED ROOF CRUDE OIL STORAGE TANK WITH ONE HEATING COIL SERVED BY A TANK VAPOR CONTROL SYSTEM SHARED WITH S-1423-2, '-3, '-10, AND '-13 (STATION 31)

**OIL FIELD FUGITIVES**

**Fugitive Sources Data:**

Product: ( ) Heavy Oil ( ) Light Oil (X) Gas Vapor

Indicate Number of:

Valves/Flanges: **86** \_\_\_\_\_

Pump Seals: \_\_\_\_\_

**Connectors: 73** \_\_\_\_\_

**Other: 4** \_\_\_\_\_

Wells: \_\_\_\_\_

Well Heads: \_\_\_\_\_

Well Cellars: \_\_\_\_\_ (sq.ft. of Cellar Area)

Gas/Oil Ratio: \_\_\_\_\_



Comments: **\*Includes VRU components** \_\_\_\_\_

Per EPA Protocol for Equipment Leak Emission Estimates, "Other" includes equipment types other than connectors, flanges, open-ended lines, pumps or valves.



# SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT

1990 E. Gettysburg Ave., Fresno, CA 93726

(559) 230 - 6000 FAX: (559) 230 - 6061

District BCode 7

## SURVEY FOR THE ANNUAL EMISSION INVENTORY : 2019

### CHEVRON USA INC

PO BOX 1392

BAKERSFIELD, CA 93302

FACILITY ID# : **S-1423**

TAD #: 15-456

SIC #: 1311

PHONE #: (661) 654-7486

SITE ADDRESS : MIDWAY SUNSET BLENDING FACILITY (STATION 31)

Is this information considered:

CONFIDENTIAL  
 NOT CONFIDENTIAL

**Note: All requests for confidentiality must be supported by a written justification ( Title 17, section 91010, California Administrative Code)**

WorkSheet for Permit # : S-1423-2-6

10,000 BBL FIXED ROOF CRUDE OIL STORAGE TANK WITH ONE HEATING COIL SERVED BY A TANK VAPOR CONTROL SYSTEM LISTED ON S-1423-1

### OIL FIELD FUGITIVES

#### Fugitive Sources Data:

Product: ( ) Heavy Oil ( ) Light Oil (X) Gas Vapor



#### Indicate Number of:

Valves/Flanges: **3** \_\_\_\_\_

Pump Seals: \_\_\_\_\_

Connectors: **2** \_\_\_\_\_

Other: **1** \_\_\_\_\_

Wells: \_\_\_\_\_

Well Heads: \_\_\_\_\_

Well Cellars: \_\_\_\_\_ (sq.ft. of Cellar Area)

Gas/Oil Ratio: \_\_\_\_\_

Comments: Per EPA Protocol for Equipment Leak Emission Estimates, "Other" includes equipment types other than connectors, flanges, open-ended lines, pumps or valves.



**SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT**

1990 E. Gettysburg Ave., Fresno, CA 93726

(559) 230 - 6000 FAX: (559) 230 - 6061

**District BCode 7**

**SURVEY FOR THE ANNUAL EMISSION INVENTORY : 2019**

**CHEVRON USA INC**

PO BOX 1392

BAKERSFIELD, CA 93302

FACILITY ID# : **S-1423**

TAD #: 15-456

SIC #: 1311

PHONE #: (661) 654-7486

SITE ADDRESS : MIDWAY SUNSET BLENDING FACILITY (STATION 31)

**Is this information considered:**

CONFIDENTIAL  
 NOT CONFIDENTIAL

**Note: All requests for confidentiality must be supported by a written justification ( Title 17, section 91010, California Administrative Code)**

WorkSheet for Permit # : S-1423-3-5

10,000 BBL CRUDE OIL STORAGE TANK WITH ONE HEATING COIL SERVED BY TANK VAPOR CONTROL SYSTEM LISTED ON S-1423-1

**OIL FIELD FUGITIVES**

**Fugitive Sources Data:**

Product: ( ) Heavy Oil ( ) Light Oil (X) Gas Vapor

Indicate Number of:

Valves/Flanges: 2

Pump Seals: \_\_\_\_\_

Connectors: 2

Other: 1

Wells: \_\_\_\_\_ Well

Heads: \_\_\_\_\_ Well

Cellars: \_\_\_\_\_ (sq.ft. of Cellar Area)

Gas/Oil Ratio: \_\_\_\_\_



Comments: Per EPA Protocol for Equipment Leak Emission Estimates, "Other" includes equipment types other than connectors, flanges, open-ended lines, pumps or valves.



**SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT**

1990 E. Gettysburg Ave., Fresno, CA 93726

(559) 230 - 6000 FAX: (559) 230 - 6061

**District BCode 7**

**SURVEY FOR THE ANNUAL EMISSION INVENTORY : 2019**

**CHEVRON USA INC**

PO BOX 1392

BAKERSFIELD, CA 93302

FACILITY ID# : **S-1423**

TAD #: 15-456

SIC #: 1311

PHONE #: (661) 654-7486

SITE ADDRESS : MIDWAY SUNSET BLENDING FACILITY (STATION 31)

**Is this information considered:**

CONFIDENTIAL  
 NOT CONFIDENTIAL

**Note: All requests for confidentiality must be supported by a written justification ( Title 17, section 91010, California Administrative Code)**

WorkSheet for Permit # : S-1423-10-3

1,000 BBL FIXED ROOF CRUDE OIL STORAGE TANK #T4 SERVED BY A TANK VAPOR CONTROL SYSTEM LISTED ON S-1423-1

**OIL FIELD FUGITIVES**

**Fugitive Sources Data:**

Product: ( ) Heavy Oil ( ) Light Oil (X) Gas Vapor

Indicate Number of:

Valves/Flanges: **5** \_\_\_\_\_

Pump Seals: \_\_\_\_\_

**Connectors:2** \_\_\_\_\_

**Other:1** \_\_\_\_\_

Wells: \_\_\_\_\_

Well Heads: \_\_\_\_\_

Well Cellars: \_\_\_\_\_ (sq.ft. of Cellar Area)

Gas/Oil Ratio: \_\_\_\_\_



Comments: Per EPA Protocol for Equipment Leak Emission Estimates, "Other"  
Includes equipment types other than connectors, flanges, open-ended lines, pumps  
or valves.



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FACILITY ID# : **S-1423**

TAD #: 15-456

SIC #: 1311

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SITE ADDRESS : MIDWAY SUNSET BLENDING FACILITY (STATION 31)

**Is this information considered:**

CONFIDENTIAL  
 NOT CONFIDENTIAL

**Note: All requests for confidentiality must be supported by a written justification ( Title 17, section 91010, California Administrative Code)**

WorkSheet for Permit # : S-1423-13-0

UP TO 2,500 BBL FIXED ROOF TANK VENTED TO VAPOR CONTROL SYSTEM LISTED ON S-1423-1 (STATION 31)

**OIL FIELD FUGITIVES**

**Fugitive Sources Data:**

Product: ( ) Heavy Oil ( ) Light Oil (X) Gas Vapor

Indicate Number of:

Valves/Flanges: 0

Pump Seals: \_\_\_\_\_

Connectors: 0

Other: 0

Wells: \_\_\_\_\_

Well Heads: \_\_\_\_\_

Well Cellars: \_\_\_\_\_ (sq.ft. of Cellar Area)

Gas/Oil Ratio: \_\_\_\_\_



Comments: Per EPA Protocol for Equipment Leak Emission Estimates, "Other"  
includes equipment types other than connectors, flanges, open-ended lines, pumps  
or valves.

## Facility Wide Relative Monthly Activity

If the facility has same operating schedule year round, then please check the Default Monthly Activity box. Otherwise, provide the percentage and months the facility operates. The total percentage for the year must add up to 100%. (100% /12 = 8.3)

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
<b>X</b>	DEFAULT MONTHLY ACTIVITY	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
	RELATIVE MONTHLY ACTIVITY												

## Facility Daily Schedule

Please indicate with circles the normal operating schedule:

Hours per day: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 **24**

Days per week: **Sunday** Monday Tuesday Wednesday Thursday Friday Saturday

## Responsible Official Information

Facility ID	S-1423
Facility	CHEVRON USA INC
Questionnaire Answered By, Title	Guillermo Gordy Guillen, HES Air Permitting & Compliance
Telephone Number	(661) 654-7421
Responsible Official	
Responsible Official Telephone Number	() -
Responsible Official Signature	
Date	