# DRAFT STAFF REPORT

June 13, 2018

#### Process for Establishing Expedited Best Available Retrofit Control Technology Implementation Schedule Under AB 617

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### I. SUMMARY

In September of 2017, the California State Legislature and Governor passed Assembly Bill 617 (AB 617)<sup>1</sup>, Nonvehicular Air Pollution: Criteria Air Pollutants and Toxic Air Contaminants. AB 617 requires the California Air Resources Board (ARB) and air districts to develop and implement additional emissions reporting, monitoring, and reduction plans and measures in an effort to reduce air pollution exposure in impacted communities. One requirement of AB617 is for air districts located in non-attainment areas to perform a Best Available Retrofit Control Technology (BARCT) analysis of their existing rules and regulations, and if applicable, propose an expedited schedule for revising rules that are found to not meet BARCT requirements.

As a component of the San Joaquin Valley Air Pollution Control District's (District) efforts to implement the requirements of AB 617, the District has begun conducting a robust public process to solicit input from stakeholders regarding the District's proposed methodology for determining if the District's rules and regulations meet BARCT requirements. Consistent with the District's philosophy of public accountability and having an open and transparent process, the District is hosting a public scoping meeting to receive public comments on the proposed process.

The focus of the scoping meeting is to present the goals of the project and to solicit information that would be useful in preparing the expedited schedule for the District's BARCT evaluation process. At the scoping meeting, District staff will: (1) present the objectives of the proposed project with respect to AB 617 requirements, (2) explain the proposed process to establish an expedited BARCT evaluation schedule, (3) solicit comments and suggestions from interested stakeholders regarding source categories of interest and associated information, and (4) inform all interested parties about upcoming workshop dates, comment periods, and project milestones.

<sup>&</sup>lt;sup>1</sup> AB 617, Garcia, C., Chapter 136, Statutes of 2017.

Draft Staff Report: Developing Expedited BARCT Implementation Schedule June 13, 2018

#### II. BACKGROUND

In September 2017, the State Legislature and Governor agreed to extend Cap and Trade as part of a legislative package that included the appropriation of \$1.5 billion in Cap and Trade funding. The Cap and Trade deal also included the passage of AB 617 that requires the state Air Resources Board and air districts to develop and implement additional emissions reporting, monitoring, and reduction plans and measures in an effort to reduce air pollution exposure in impacted communities.

As discussed above, one component of AB 617 is the advancement of air pollution control efforts through accelerated retrofit of pollution controls on industrial sources. Under State law, regional air districts have been delegated the authority to issue permits to stationary sources, allowing them to operate within emission limitations. Permitting requirements vary by location based on the facility and equipment type, the allowable amount of emissions, consideration of State and local air toxics programs, and the national and State ambient air quality standards attainment<sup>2</sup> designation status of each air district.

The San Joaquin Valley Air Basin (SJVAB) is currently designated as serious nonattainment for the PM2.5 (Particulate Matter 2.5 microns or less in diameter) National Ambient Air Quality Standard (NAAQS) and extreme nonattainment for the eight-hour ozone NAAQS. Due to the severity of the air quality problems in the Valley, since its formation in 1992, the District has adopted over 600 rules and rule amendments in order to control emissions from stationary sources and other sources. The District was the nation's first air district to adopt an Indirect Source Review (ISR) rule, and was one of the first air districts to adopt rules to control emissions of volatile organic compound (VOC) from wine production and storage operations and residential fireplaces. In addition, the District leads the nation with some of the most stringent oxides of nitrogen (NOx) emission limits on source categories such as engines, boilers, turbines, and glass-melting furnaces.

In conjunction with the above rules applicable to stationary source equipment, the District's New Source Review (NSR) rule is designed to meet both the state and federal NSR requirements for nonattainment areas. District Rule 2201 provides a regulatory mechanism for allowing continued economic growth in the San Joaquin Valley while minimizing the amount of emission increases due to this growth. District Rule 2201 applies to all new stationary sources and all modifications to existing stationary sources that are subject to District permit requirements.

<sup>&</sup>lt;sup>2</sup> An air quality standard defines the maximum amount of a pollutant averaged over a specified period of time that can be present in outdoor air without any harmful effects on people or the environment. Attainment of an air quality standard means the air quality of a region is as clean as or cleaner than the national and State ambient air quality standards.

Draft Staff Report: Developing Expedited BARCT Implementation Schedule June 13, 2018

New facilities or facilities modifying equipment that emit air pollutants greater than 2 pounds per day (lbs/day), are subject to stringent emissions control requirements. For each equipment that have the potential to emit over the 2 lb/day thresholds, the District requires the use of the best available air pollution control technology (BACT) commonly used to control emissions from similar type of equipment. In this case, the District is also conducting an analysis to determine if, based on specific criteria, cleaner technologies that are not commonly used for these type of equipment could be used to further reduce emissions from the proposed equipment. This very stringent requirement ensures that the most effective air pollution control technique is utilized resulting in reduced public exposure to air pollutants and toxic air contaminants.

In addition to these stringent requirements on new sources of air pollution, rules adopted in the San Joaquin Valley were analyzed for compliance with the state's BARCT requirements.

# III. BEST AVAILABLE RETROFIT CONTROL TECHNOLOGY (BARCT)

Existing stationary sources in non-attainment areas such as the San Joaquin Valley have been subject to BARCT requirements since the 1980s, although some nonattainment areas with market-based criteria pollutant reduction programs were not required to apply BARCT to facilities complying with those market-based programs. Although AB 617 does not specifically define BARCT, California Health and Safety Code (CH&SC) Section 40406 defines BARCT as follows:

Best Available Retrofit Control Technology (BARCT) is an air emission limit that applies to existing sources and is the maximum degree of reduction achievable, taking into account environmental, energy and economic impacts by each class or category of source.

AB 617 requires districts that are in nonattainment for one or more air pollutants to adopt expedited schedules by January 2019 for the implementation of Best Available Retrofit Control Technology. The bill would require the schedule to apply to each industrial source that, as of January 1, 2017, was subject to a specified market-based compliance mechanism and give highest priority to those permitted units that have not modified emissions-related permit conditions for the greatest period of time.

In establishing Best Available Retrofit Control Technology, state law requires that the District must perform all of the following:

1. Identify one or more potential control options which achieves the emission reduction objectives for the regulation.

Draft Staff Report: Developing Expedited BARCT Implementation Schedule June 13, 2018

- 2. Review the information developed to assess the cost-effectiveness of the potential control option. For purposes of this paragraph, "cost-effectiveness" means the cost, in dollars, of the potential control option divided by emission reduction potential, in tons, of the potential control option.
- 3. Calculate the incremental cost-effectiveness for the potential control options identified in paragraph (1). To determine the incremental cost-effectiveness under this paragraph, the District shall calculate the difference in the dollar costs divided by the difference in the emission reduction potentials between each progressively more stringent potential control option as compared to the next less expensive control option.
- 4. Consider, and review in a public meeting, all of the following:
  - a. The effectiveness of the proposed control option in meeting the above requirements as well as impact on downwind regions' ozone concentrations due to emissions transport.
  - b. The cost-effectiveness of each potential control option.
  - c. The incremental cost-effectiveness between the potential control options.
- 5. Make findings at the public hearing at which the regulation is adopted stating the reasons for the district's adoption of the proposed control option or options.

AB 617 also requires ARB to establish and maintain a statewide clearinghouse that identifies the best available control technology, best available retrofit control technology for criteria air pollutants, and related technologies for the control of toxic air contaminants.

Unlike other regions in the state, the District has not relied on market-based systems such as South Coast AQMD's RECLAIM program to satisfy BARCT requirements. Furthermore, businesses in the San Joaquin Valley must comply with BARCT in accordance to the implementation schedules established in District rules rather than waiting until permit modifications. Given the District's ongoing and extensive work to identify and apply most stringent measures necessary to attain the ever-tightening federal health-based standards under the Clean Air Act, it is anticipated that most District rules satisfy BARCT requirements. However, the District recognizes that BARCT requirements are always evolving as technology advances and more feasible controls are identified.

In satisfying the applicable mandates under AB 617, significant work is necessary to either demonstrate that existing rules meet BARCT requirements or identify potential gaps. The District must also share its findings with the state as ARB compiles the

Draft Staff Report: Developing Expedited BARCT Implementation Schedule June 13, 2018

BARCT clearinghouse. Given that the District's ongoing efforts related to development and implementation of comprehensive and stringent attainment plans includes such activities, today's recommendations do not include any additional staffing for these efforts.

# IV. ESTABLISHING DISTRICT'S EXPEDITED BARCT EVALUATION SCHEDULE

AB 617 identifies specific requirements for the District to meet in establishing the expedited BARCT implementation schedule, as captured in Section 40920.6 of the Health and Safety Code:

- (c) (1) On or before January 1, 2019, each district that is a nonattainment area for one or more air pollutants shall adopt an expedited schedule for the implementation of best available retrofit control technology (BARCT), by the earliest feasible date, but in any event not later than December 31, 2023.
  (2) The schedule shall apply to each industrial source that, as of January 1, 2017, was subject to a market-based compliance mechanism adopted by the state board pursuant to subdivision (c) of Section 38562.
  (3) The schedule shall give highest priority to those permitted units that have not modified emissions-related permit conditions for the greatest period of time. The schedule shall not apply to an emissions unit that has implemented BARCT due to a permit revision or a new permit issuance since 2007.
- (d) Prior to adopting the schedule pursuant to paragraph (1) of subdivision (c), a district shall hold a public meeting and take into account:
  - (1) The local public health and clean air benefits to the surrounding community.
  - (2) The cost-effectiveness of each control option.
  - (3) The air quality and attainment benefits of each control option.

It is important to note that section (c)(2) limits the BARCT analysis to facilities subject to the state's Cap and Trade program, and (c)(3) establishes a prioritization system and also eliminates from the BARCT analysis any source-types that have implemented BARCT since 2007.

The District has begun implementing the requirements of AB 617 with the following steps:

- 1. Conducted a survey to identify the facilities subject to the AB 3228 Cap and Trade program: 109 facilities. (see Appendix A)
- 2. Determined which prohibitory rules apply to these Cap and Trade facilities that need to be evaluated for BARCT: 35 District rules. (see Appendix B)

Draft Staff Report: Developing Expedited BARCT Implementation Schedule June 13, 2018

During the scoping meeting, the District will request input on these two appendices, as they represent the boundaries of the District's future work to establish the BARCT implementation schedule by January 1, 2019, and develop any necessary BARCT rule revisions by December 31, 2023.

Future work between now and a future public meeting at which the District will identify the BARCT adoption schedule required by AB 617 will include:

- Identify all sources that have implemented BARCT since 2007.
- Identify any sources for which a BARCT analysis is required under AB 617
- Identify potential control options for each category, and as required by AB 617, take into account:
  - The local public health and clean air benefits to the surrounding community,
  - The cost-effectiveness of each control option,
  - The air quality and attainment benefits of each control option.
- Establish a schedule for adopting any necessary BARCT rules by the earliest feasible date, no later than December 31, 2023.
- Establish a prioritization for the BARCT schedule based on those permitted units that have not modified emissions-related permit conditions for the greatest period of time.

During the scoping meeting District staff will also be requesting input on this proposed process.

After the adoption of the expedited schedule to amend rules and regulations to meet the requirements for BARCT, the District will perform the full rule development process to amend rules and regulations following applicable CH&SC requirements.

### V. DISTRICT TIMELINE

The District's proposed timeline for this process is as follows:

- Scoping Meeting Present/discuss process to evaluate BARCT: June 14<sup>th</sup>
- Perform BARCT analysis & review and finalize BARCT analyses: Begin June 18<sup>th</sup>
- Workshop Present analysis/outcome:

Third Quarter 2018

- Adopt expedited BARCT schedule, as needed:
- Send BARCT schedule to ARB:

End of 2018 Before Jan 1, 2019

6

Draft Staff Report: Developing Expedited BARCT Implementation Schedule June 13, 2018

#### Appendices

- A. List of Facilities Within District Subject to Cap and Trade
- B. Rules to be Evaluated for BARCT

Draft Staff Report: Developing Expedited BARCT Implementation Schedule June 13, 2018

Appendix A

List of Facilities Within District Subject to Cap and Trade

District Facility	Facility Name			
Number				
C-261 CERTAINTEED CORPORATION				
C-273	CALIFORNIA RESOURCES PRODUCTION CORP.			
C-276	CALIFORNIA RESOURCES PRODUCTION CORP.			
C-311	CHEVRON USA INC			
C-366	DEL MONTE FOODS HANFORD PLANT 24			
C-402	CALIFORNIA DAIRIES, INC.			
C-413	CRIMSON RESOURCE MANAGEMENT			
C-447	E & J GALLO WINERY			
C-598	GUARDIAN INDUSTRIES, LLC			
C-705	J R SIMPLOT COMPANY			
C-787	LOS GATOS TOMATO PRODUCTS			
C-801	ARDAGH GLASS INC			
C-948	VITRO FLAT GLASS LLC			
C-1121	AERA ENERGY LLC			
C-1163	OLAM WEST COAST INC			
C-1243	TOMA-TEK INC			
C-1683	HOLMES WESTERN OIL CORPORATION			
C-2658	HOLMES WESTERN OIL CORPORATION			
C-2872	CHEVRON USA, INC.			
C-3955	LEPRINO FOODS COMPANY			
C-4261	PACIFIC ETHANOL MADERA LLC			
C-7336	J G BOSWELL COMPANY			
C-7748	OLAM WEST COAST INC			
N-238	INGREDION INCORPORATED			
N-593	OWENS-BROCKWAY GLASS CONTAINER			
N-672	MIZKAN AMERICA, INC			
N-1252	FOSTER FOOD PRODUCTS			
N-1275	HILMAR CHEESE COMPANY			
N-1276	INGOMAR PACKING COMPANY			
N-1326	MORNING STAR PACKING COMPANY			
N-1399	LIBERTY PACKING CO - THE MORNING STAR CO			
N-1657	SENSIENT NATURAL INGREDIENTS LLC			
N-1662	GALLO GLASS COMPANY			
N-1680	STANISLAUS FOOD PRODUCTS			
N-1976	CONAGRA FOODS			
N-2149	CALIFORNIA DAIRIES, INC.			
N-7365	PACIFIC ETHANOL STOCKTON LLC			
N-7488				
S-36	SAN JOAQUIN REFINING CO			
S-37	KERN OIL & REFINING CO			
S-39	CRESTWOOD WEST COAST LLC			
S-49	CHEVRON USA INC			
S-55	CHEVRON USA INC LOST HILLS GP			
S-71				
S-382	CALIFORNIA RESOURCES ELK HILLS LLC			
S-416	WM BOLTHOUSE FARMS INC			
<u>S-525</u>	LAND O' LAKES INC			
S-724	ALL AMERICAN OIL & GAS CO			
<u>S-1114</u>	SENECA RESOURCES			
S-1121	NAFTEX OPERATING CO			
S-1128	CHEVRON USA INC			
S-1129	CHEVRON USA INC			

\* Please note that the list of facilites is based on 2015 reporting data. The list will be updated as necessary for 2017 reporting data when it becomes available.

District	Facility	Facility Name		
Number Facility Name				
S-11	131	CHEVRON USA INC		
S-11	S-1135 AERA ENERGY LLC			
S-11	141	CHEVRON USA INC		
S-12	203	SAPUTO CHEESE USA INC		
S-12	216	CALIFORNIA RESOURCES ELK HILLS LLC		
S-12	242	SENECA RESOURCES		
S-12	246	BERRY PETROLEUM COMPANY LLC		
S-13	326	CALIFORNIA RESOURCES PRODUCTION CORP		
S-13	327	CALIFORNIA RESOURCES PRODUCTION CORP		
S-13	346	CALIFORNIA DAIRIES INC		
S-13	372	SENTINEL PEAK RESOURCES CA LLC		
S-14	123	CHEVRON USA INC		
S-15	543	AERA ENERGY LLC		
S-15	547	AERA ENERGY LLC		
S-15	548	AERA ENERGY LLC		
S-16	624	E&B NATURAL RESOURCES MGMT		
S-16	626	HOLMES WESTERN OIL CORP		
S-16	627	HOLMES WESTERN OIL CORP		
S-16	630	SENECA RESOURCES		
S-16	641	SENTINEL PEAK RESOURCES CA LLC		
S-16	699	AERA ENERGY LLC		
S-17	703	MACPHERSON OIL CO		
S-17	737	CALIFORNIA RESOURCES PRODUCTION CORP		
S-17	738	CALIFORNIA RESOURCES PRODUCTION CORP		
S-18	307	E&B NATURAL RESOURCES MGMT CORP		
S-20	010	CHEVRON USA INC		
S-20	)58	E&B NATURAL RESOURCES		
S-20	076	FRITO-LAY INC		
S-21	152	CHEVRON USA INC		
S-2234				
S-22	265			
S-26	022			
<u>S-29</u>	918			
5-30	079			
5-30	188			
5-31	107			
0-01	107			
0-32	247			
S-33	507			
0-30	550			
<u> </u>	585			
<u> </u>	755			
<u> </u>	708			
S-39	30			
S-30	26			
<u>S_40</u>	)34			
<u>S_40</u>	242			
<u>S_65</u>	534	PIXI FY COGEN PARTNERS		
<u>S_70</u>	)63			
S_72	295	CHEVRON LISA INC		
S-75	527			

\* Please note that the list of facilites is based on 2015 reporting data. The list will be updated as necessary for 2017 reporting data when it becomes available.

	District Facility Number	Facility Name CHEVRON USA	
	S-8084		
S-8148 CHEVRON USA INC		CHEVRON USA INC	
Γ	S-8282	CALIFORNIA RESOURCES PRODUCTION CORP	
Γ	S-8454	CALIFORNIA RESOURCES PRODUCTION CORP	

<sup>\*</sup> Please note that the list of facilites is based on 2015 reporting data. The list will be updated as necessary for 2017 reporting data when it becomes available.

Draft Staff Report: Developing Expedited BARCT Implementation Schedule June 13, 2018

Appendix B

Rules to be Evaluated for BARCT

District Rule Number	Rule Name	Pollutants Controlled	Purpose of Rule
4104	REDUCTION OF ANIMAL MATTER	PM2.5	The purpose of this rule is to limit air contaminants from source operations used for the reduction of animal matter.
4305	BOILERS, STEAM GENERATORS, AND PROCESS HEATERS - PHASE 2	NOx, CO	The purpose of this rule is to limit emissions of oxides of nitrogen (NOx) and carbon monoxide (CO) from boilers, steam generators, and process heaters.
4306	BOILERS, STEAM GENERATORS, AND PROCESS HEATERS - PHASE 3	PM2.5, NOx, SOx, VOC	This rule limits emissions from boilers, steam generators, and process heaters from any gaseous fuel or liquid fuel fired boiler, steam generator, or process heater with a total rated heat input > 5 MMBtu/hr.
4307	BOILERS, STEAM GENERATORS, AND PROCESS HEATERS - 2.0 MMBTU/HR TO 5.0 MMBTU/HR (RULE 4307 CERTIFIED UNITS)	PM2.5, NOx, SOx, VOC	This rule limits emissions from boilers, steam generators, and process heaters from any gaseous fuel or liquid fuel fired boiler, steam generator, or process heater with a total rated heat input of 2.0 MMBtu/hr up to and including 5.0 MMBtu/hr.
4309	DRYERS, DEHYDRATORS, AND OVENS	PM2.5, NOx, SOx, VOC	This rule limits emissions from dryers, dehydrators, and ovens fired on gaseous fuel, liquid fuel, or is fired on gaseous and liquid fuel sequentially, and the total rated heat input for the unit is ≥ 5.0 MMBtu/hr.
4311	FLARES	PM2.5, NOx, SOx, VOC	The purpose of this rule is to limit emissions from the operation of flares.
4320	ADVANCED EMISSION REDUCTION OPTIONS FOR BOILERS, STEAM GENERATORS, AND PROCESS HEATERS GREATER THAN 5.0 MMBTU/HR (RULE 4320 FAQS)	PM2.5, NOx, SOx, VOC	The purpose of this rule is to limit emissions from boilers, steam generators, and process heaters from any gaseous fuel or liquid fuel fired boiler, steam generator, or process heater with a total rated heat input > 5 MMBtu/hr.
4351	BOILERS, STEAM GENERATORS, AND PROCESS HEATERS - PHASE 1	NOx	The purpose of this rule is to limit emissions of oxides of nitrogen (NOx) from boilers, steam generators, and process heaters to levels consistent with reasonably available control technology (RACT).
4354	GLASS MELTING FURNACES	PM2.5, NOx, SOx, VOC	The purpose of this rule is to limit emissions from glass melting furnaces.
4401	STEAM-ENHANCED CRUDE OIL PRODUCTION WELLS (RULE 4401 FAQS)	VOC	The purpose of this rule is to limit VOC emissions from steam-enhanced crude oil production wells.
4402	CRUDE OIL PRODUCTION SUMPS	VOC	The purpose of this rule is to limit VOC emissions from first, second, and third stage sumps at facilities producing, gathering, separating, processing, and/or storing crude oil in an oil field.
4405	OXIDES OF NITROGEN EMISSIONS FROM EXISTING STEAM GENERATORS USED IN THERMALLY ENHANCED OIL RECOVERY - CENTRAL AND WESTERN KERN COUNTY FIELDS	NOx	The purpose of this rule is to limit NOx emissions from oil field steam generators. This rule also specifies an implementation schedule.
4406	SULFUR COMPOUNDS FROM OIL-FIELD STEAM GENERATORS - KERN COUNTY	SOx	The purpose of this rule is to limit the emissions of sulfur from oil field steam generators in Kern County.
4407	IN-SITU COMBUSTION WELL VENTS	VOC	The purpose of this rule is to implement federally enforceable emission limitations for insitu combustion well vents. This rule is applicable to all crude oil production wells where production has been enhanced by in-situ combustion.
4408	GLYCOL DEHYDRATION SYSTEMS	VOC	The purpose of this rule is to limit VOC emissions from glycol dehydration systems.
4409	COMPONENTS AT LIGHT CRUDE OIL PRODUCTION FACILITIES, NATURAL GAS PRODUCTION FACILITIES, AND NATURAL GAS PROCESSING FACILITIES	VOC	The purpose of this rule is to limit VOC emissions from leaking components at light crude oil production facilities, natural gas production facilities, and natural gas processing facilities.
4453	REFINERY VACUUM PRODUCING DEVICES OR SYSTEMS	VOC	The purpose of this rule is to limit VOC emissions from refinery vacuum producing devices or systems, including hot wells and accumulators installed in a refinery operation.
4454	REFINERY PROCESS UNIT TURNAROUND	VOC	The purpose of this rule is to limit VOC emissions resulting from the purging, repair, cleaning, or otherwise opening or releasing pressure from a refinery vessel during a process unit turnaround.
4455	COMPONENTS AT PETROLEUM REFINERIES, GAS LIQUIDS PROCESSING FACILITIES, AND CHEMICAL PLANTS	VOC	The purpose of this rule is to limit VOC emissions from leaking components at petroleum refineries, gas liquids processing facilities, and chemical plants.
4566	ORGANIC MATERIAL COMPOSTING OPERATIONS	VOC	The purpose of this rule is to limit VOC emissions from composting operations.
4601	ARCHITECTURAL COATINGS	VOC	The purpose of this rule is to limit VOC emissions from architectural coatings.
4603	SURFACE COATING OF METAL PARTS AND PRODUCTS, PLASTIC PARTS AND PRODUCTS, AND PLEASURE CRAFTS	VOC	The purpose of this rule is to limit VOC emissions from the coating of metal parts and products, large appliances parts or products, metal furniture, plastic parts and products, automotive/transportation and business machine plastic parts and products, and pleasure crafts.
4606	WOOD PRODUCTS AND FLAT WOOD PANELING PRODUCTS COATING OPERATIONS	VOC	The purpose of this rule is to limit VOC emissions from wood products coating operations.
4612	MOTOR VEHICLE AND MOBILE EQUIPMENT COATING OPERATIONS	VOC	The purpose of this rule is to limit VOC emissions from coatings of motor vehicles, mobile equipment, and associated parts and components.

District Rule Number	Rule Name	Pollutants Controlled	Purpose of Rule
4621	GASOLINE TRANSFER INTO STATIONARY STORAGE CONTAINERS, DELIVERY VESSELS, AND BULK PLANTS	VOC	The purpose of this rule is to limit VOC emissions from stationary storage containers, delivery vessels, and bulk plants.
4622	GASOLINE TRANSFER INTO MOTOR VEHICLE FUEL TANKS	VOC	The purpose of this rule is to limit emissions of gasoline vapors from the transfer of gasoline into motor vehicle fuel tanks.
4623	STORAGE OF ORGANIC LIQUIDS	VOC	The purpose of this rule is to limit VOC emissions from the storage of organic liquids.
4624	TRANSFER OF ORGANIC LIQUID	VOC	The purpose of this rule is to limit VOC emissions from the transfer of organic liquids.
4625	WASTEWATER SEPARATORS	VOC	The purpose of this rule is to limit VOC emissions from wastewater separators used for the separation of crude oil and water after custody transfer.
4641	CUTBACK, SLOW CURE, AND EMULSIFIED ASPHALT, PAVING AND MAINTENANCE OPERATIONS	VOC	The purpose of this rule is to limit VOC emissions by restricting the application and manufacturing of certain types of asphalt for paving and maintenance operations.
4694	WINE FERMENTATION AND STORAGE TANKS	VOC	The purpose of this rule is to reduce VOC emissions from the fermentation and bulk storage of wine, or achieve equivalent reductions from alternative emission sources.
4701	INTERNAL COMBUSTION ENGINES (CERTIFIED EQUIPMENT FOR INTERNAL COMBUSTION ENGINES)	NOx, CO, VOC	The purpose of this rule is to limit the emissions of nitrogen oxides (NOx), carbon monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines.
4702	INTERNAL COMBUSTION ENGINES - PHASE 1	PM2.5, NOx, SOx, VOC	The purpose of this rule is to limit emissions from internal combustion engines rated at 25 bhp or greater.
4703	STATIONARY GAS TURBINES	PM2.5, NOx, SOx, VOC	The purpose of this rule is to limit emissions from stationary gas turbine systems.
7012	HEXAVALENT CHROMIUM - COOLING TOWERS	Toxic Air Contaminants (TAC)	The purpose of this rule is to limit emissions of hexavalent chromium from circulating water in cooling towers and to prohibit the use or sale of products containing these compounds for treating cooling tower water.