

**Proposed Amended Rule 1180  
(PAR 1180)**

**Fenceline and Community Air Monitoring for  
Petroleum Refineries and Related Facilities**

**Proposed Amended Rule 1180.1  
(PAR 1180.1)**

**Fenceline and Community Air Monitoring for  
Other Refineries**

**Working Group Meeting #2**

June 23, 2026

10:30 AM PT

<https://aqmd.zoomgov.com/j/1617117189>

Zoom Webinar ID: 161 711 7189 (applies to all)



# Agenda



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WGM #1 Summary

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Current Applicable South Coast AQMD Rules

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Other Regulatory Requirements

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Initial Draft Rule Language

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Next Steps

# WGM #1 Summary

## In the first Working Group Meeting, staff presented:

- Overview of rule development process
- Rule background and implementation update
- Need for amendment
- Proposed amended rule 1180 and 1180.1 concepts

## Stakeholders commented on:

- Potential regulatory gaps between agencies for refinery decommissioning
- Outreach and education on the rules for affected communities

# Current South Coast AQMD Rules for Refineries

- Refinery operations are regulated by various South Coast AQMD rules
- Emission sources such as equipment operation are subject to source specific rules for emission control
  - Such as Rules 1109.1, 1118, 1178, etc. (more details in following slides)
- Emissions from major sources are monitored at the source by continuous emission monitoring systems
  - Subject to Rule 218 series or Regulation XX
- Emissions at the fenceline of a refinery are monitored by fenceline monitoring systems
  - Required by Rule 1180/1180.1

# Current Applicable South Coast AQMD Rules for Refineries

Rule	Title	Emissions	Regulated Emission Sources
<a href="#"><u>218</u></a>	Continuous Emission Monitoring	N/A	Monitoring rule setting specifications for CEMS operation and QA/QC
<a href="#"><u>401</u></a>	Visible Emissions	Any visible emission	Any source
<a href="#"><u>402</u></a>	Nuisance	Any emission that may cause a nuisance	Any source
<a href="#"><u>404</u></a>	Particulate Matter – Concentration	PM	Any source
<a href="#"><u>405</u></a>	Solid Particular Matter – Weight	PM	Any source
<a href="#"><u>407</u></a>	Liquid and Gaseous Air Contaminants	CO and SO <sub>2</sub>	Any source

# Current Applicable South Coast AQMD Rules for Refineries

Rule	Title	Emissions	Regulated Emission Sources
<a href="#">409</a>	Combustion Contaminants	PM	Any combustion source
<a href="#">461</a>	Gasoline Transfer and Dispensing	Gasoline vapor, primarily VOCs	Transfer points to and from gasoline storage tanks
<a href="#">462</a>	Organic Liquid Loading	VOCs	Facilities that load organic liquids into any tank truck, trailer or railroad tank car
<a href="#">463</a>	Organic Liquid Storage	VOCs	Stationary above-ground tanks
<a href="#">468</a>	Sulfur Recovery Units	SO <sub>x</sub> and H <sub>2</sub> S	Sulfur recovery units
<a href="#">1105.1</a>	Reduction of PM <sub>10</sub> and Ammonia Emissions from Fluid Catalytic Cracking Units	PM <sub>10</sub> and ammonia	FCCU and control equipment

# Current Applicable South Coast AQMD Rules for Refineries

Rule	Title	Emissions	Regulated Emission Sources
<a href="#"><u>1109.1</u></a>	Emissions of Oxides of Nitrogen from Petroleum Refineries and Related Operations	NOx and CO	Boilers, FCCUs, Gas Turbines fueled with gaseous fuel other than natural gas, petroleum coke calciner, process heaters, SMR heaters, SRU/TG incinerators, Sulfuric Acid Furnaces, Vapor Incinerators
<a href="#"><u>1110.2</u></a>	Emissions from Gaseous- and Liquid-Fueled Engines	NOx, VOCs, and CO	All stationary and portable engines for 50 rated brake horsepower
<a href="#"><u>1114</u></a>	Petroleum Refinery Coking Operations	Pressure of coke drum before releasing into atmosphere	Petroleum refinery coking units
<a href="#"><u>1118</u></a>	Control of Emissions from Refinery Flares	ROG, NOx, CO, PM <sub>10</sub> , and SOx	Refinery Flares

# Current Applicable South Coast AQMD Rules for Refineries

Rule	Title	Emissions	Regulated Emission Sources
<a href="#"><u>1119</u></a>	Petroleum Coke Calcining Operations – Oxides of Sulfur	SO <sub>2</sub>	Petroleum coke calcining equipment
<a href="#"><u>1149</u></a>	Storage Tank and Pipeline Cleaning and Degassing	VOCs	Storage tanks and pipelines
<a href="#"><u>1158</u></a>	Storage, Handling, and Transport of Coke, Coal, and Sulfur	PM	Storage, handling, and transport of coke, coal, and sulfur
<a href="#"><u>1166</u></a>	Volatile Organic Compound Emissions from Decontamination of Soil	VOCs	VOC contaminated soil as a result of leakage from storage or transfer operations, accidental spillage, or other deposition
<a href="#"><u>1173</u></a>	Control of Volatile Organic Compound Leaks and Released from Component at Petroleum Facilities and Chemical Plants	VOCs	Valves, fittings, pumps, compressor, pressure relief devices, fin fan, or other devices (diaphragm, Hatch, sight-glass, meter) in VOC service

# Current Applicable South Coast AQMD Rules for Refineries

Rule	Title	Emissions	Regulated Emissions Sources
<a href="#">1176</a>	VOC Emissions from Wastewater Systems	VOCs	Wastewater systems and associated control equipment
<a href="#">1178</a>	Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities	VOCs	Storage tanks at petroleum refineries
<a href="#">1189</a>	Emissions from Hydrogen Plant Process Vents	VOCs	Hydrogen plant process vents
<a href="#">1401</a>	New Source Review of Toxic Air Contaminants	Toxic contaminants	New, relocated, and modified permit units
<a href="#">1402</a>	Control of Toxic Air Contaminants from Existing Sources	Toxic Contaminants	Facilities subject to Air Toxics Inventory Report, Health Risk Assessment, or Risk Reduction Plan

# Current Applicable South Coast AQMD Rules for Refineries

Rule	Title	Emissions	Regulated Emissions Sources
<a href="#"><u>1470</u></a>	Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines	PM, CO, NMHC, and NOx	Stationary compression ignition with rated brake horsepower more than 50 bhp
<a href="#"><u>REG XIII</u></a>	New Source Review	Any air pollutant for which there is a national ambient air quality standard or precursor to such air pollutant	New, modified, or relocated facilities
<a href="#"><u>REG XX</u></a>	Regional Clean Air Incentives Market (RECLAIM)	NOx and SOx	Facilities meeting the criteria for Inclusion in RECLAIM
<a href="#"><u>REG XXX</u></a>	Title V Permits	VOC, NOx, SOx, CO, PM10, and HAPs	Facilities meeting the emission thresholds

# Refinery Compliance of South Coast AQMD Rules

- Rules apply to several facets of petroleum operations
- Source specific rules control or monitor emissions from the emission sources of a facility
- Rules 1180 and 1180.1 for fenceline monitoring bridge the gap between refinery operations and public safety
  - By providing continuous, verifiable data at the facilities boundary
- During a facility decommission process
  - Each impacted emission source will be evaluated for the requirement of permit and source specific rule
  - Technical justification will be required prior to ceasing any pollutant monitoring

# Other Regulations Applicable to Refineries

Federal, state, and regional agencies regulate refineries in addition to the South Coast AQMD

Refineries that plan to decommission will need to work with all level of agencies for proper compliance during this process

Staff compiled a list of applicable requirements by various agencies

# Regulatory Oversight of the Refineries in the South Coast AQMD

- Federal:
  - U.S. EPA – Federal Clean Air Act and Clean Water Act compliance
  - U.S. Department of Energy – Energy policy, parent to Energy Information Agency and Office of Fossil Energy
- State:
  - Department of Toxic Substances Control (DTSC) – hazardous waste generation, storage, treatment, and disposal
  - California Public Utilities Commission – utility disconnections
  - California Energy Commission – notification of fuel supply
  - Department of Fish and Wildlife Office of Spill Prevention and Response – oil spill contingency plans
  - California State Water Resources Control Board – waste discharge and water remediation
  - California Geologic Energy Management Division – operation, maintenance, and permanent closure of wells/pipelines
- Regional:
  - South Coast AQMD – local air quality control
  - Los Angeles Regional Water Quality Control Board – waste discharge and water remediation
  - Fire Department and local emergency planning commissions – emergency response coordination and risk communication
  - Local government (e.g. cities) – zoning and local public health/safety ordinances



# Initial Preliminary Draft

PAR 1180 & 1180.1

# PAR 1180 & 1180.1

## Initial Preliminary Draft

The following slides present PAR 1180 initial preliminary draft rule language for discussion purposes

PAR 1180.1 will mirror PAR 1180 with similar rule concepts

Initial preliminary draft rule language subject to change

# PAR 1180 & 1180.1

## Initial Draft Definitions

- Key new definitions:

FACILITY WITH RECLASSIFIED OPERATIONS (RECLASSIFIED FACILITY) is any Petroleum Refinery or Related Facility that has notified the Executive Officer in writing of an intent for Full Decommission.

FULL DECOMMISSION is a complete and final removal of all petroleum refining-related process units at a Facility from service with no future plan to use the Facility as a Petroleum Refinery or Related Facility; Full Decommission is when the Facility no longer has active South Coast AQMD permits, except permits for essential operations such as Soil Decontamination Measure as defined by Rule 1166 – Volatile Organic Compound Emissions from Decontamination of Soil, and Emergency Standby Engines as defined by Rule 1110.2 – Emissions from Gaseous- and Liquid-Fueled Engines.

RECLASSIFIED AIR MONITORING PLAN (RAMP) is a compliance plan that details information about air monitoring instrumentation, maintenance and quality control procedures, backup systems, auditing, and data reporting methods for the Facility in the process of Full Decommission.

- New definitions added to address full decommission and Reclassified Air Monitoring Plan (RAMP) process

# PAR 1180 & 1180.1

## RAMP Requirements

(n) RAMP Process for Full Decommission

(1) An owner or operator of a Reclassified Facility with any active South Coast AQMD permit shall comply with all applicable requirements in the rule:

(A) Until the Facility is issued an approved RAMP and begins to comply with the approved RAMP and all applicable requirements in subdivision (n); or

(B) If a Reclassified Facility with an approved RAMP notifies the Executive Officer in writing that they intend to discontinue the Full Decommission to restart operations.

- Facilities required to comply with applicable requirements of rule unless issued an approved RAMP
- If Reclassified Facility decides to cease plans for full decommission, they are required to continue to comply with all applicable requirements

# PAR 1180 & 1180.1 RAMP Requirements

- Requiring the submittal of Reclassified Air Monitoring Plan (RAMP)
  - Information on decommissioning process and any changes to FAMP
  - Specified requirements for Facilities with or without an existing Fenceline Air Monitoring System

## (2) RAMP Requirements

An owner or operator of a Reclassified Facility shall submit a RAMP within 12 calendar months after notifying the Executive Officer in writing of intent for Full Decommission, at a minimum, including the following:

- (A) Estimated date by which Full Decommission shall commence;
- (B) Estimated date by which Full Decommission shall be completed;
- (C) Description of all planned actions for the Full Decommission;
- (D) Description of local, state, and federal laws, regulations, and orders involved in the Full Decommission;
- (E) For any information contingent upon local, state, and federal laws, regulations, and order involved in the Full Decommission, the Reclassified Facility shall provide an approximate timeline in the RAMP by which the information should be made available;
- (F) Technical justification for excluding a compound listed in Table 1 if applicable;
- (G) For a Reclassified Facility with an existing Fenceline Air Monitoring System:
  - (i) Description of current Fenceline Air Monitoring System;
  - (ii) Description of proposed changes to Fenceline Air Monitoring System and implementation schedule for the changes; and
  - (iii) Description of proposed changes to the web-based fenceline data display and notification program and implementation schedule for the changes; and
- (H) For a Reclassified Facility without an existing Fenceline Air Monitoring System, before the RAMP is due:
  - (i) Description of proposed changes to the FAMP submitted according to subdivision (e); and
  - (ii) Implementation schedule.

# PAR 1180 & 1180.1

## RAMP Review Process

### (3) RAMP Review Process

The Executive Officer will notify the owner or operator of a Reclassified Facility in writing whether the RAMP submitted pursuant to paragraph (n)(2) is approved or disapproved as follows:

(A) The Executive Officer will approve a RAMP if:

- (i) The owner or operator of a Reclassified Facility submits all applicable information in paragraph (n)(2);
- (ii) Subparagraph (n)(2)(F) is approved; and
- (iii) Subparagraphs (n)(2)(G) or (n)(2)(H) is approved; and

(B) If the RAMP or revised RAMP is disapproved because it does not meet the conditions in subparagraph (n)(3)(A), the owner or operator of a Reclassified Facility shall submit a revised RAMP after notification of disapproval of the plan. The revised plan shall include any information necessary to address deficiencies identified in the disapproval letter;

(C) The Executive Officer will make the RAMP or revised RAMP that is submitted pursuant to paragraph (n)(2) or subparagraph (n)(3)(B) available for public review no less than 14 calendar days prior to approval; and

(D) The owner or operator of a Reclassified Facility shall pay compliance plan review fees as specified in Rule 306 – Plan Fees for the review, approval, and modifications of RAMPs and revised RAMPs.

- RAMP review process similar to FAMP review process
  - Approval contingent upon technical information required for RAMP
  - RAMPs will either be approved or disapproved
  - No partial approval or partial disapproval
  - Continue to comply with FAMP before RAMP is approved

# PAR 1180 & 1180.1

## Implementation Schedule

### (4) Fenceline Air Monitoring System

An owner or operator of a Reclassified Facility shall not remove or cease operation of any Fenceline Air Monitoring System, unless it is implemented in accordance with an approved RAMP.

### (5) Web-based Fenceline Data Display and Notification

An owner or operator of a Reclassified Facility shall not cease operation of a web-based fenceline data display and notification program, unless it is maintained in accordance with an approved RAMP.

### (6) Community Air Monitoring Fees

An owner or operator of a Reclassified Facility shall pay the annual operating and maintenance fees for the community air monitoring system(s) pursuant to Rule 301–Permitting and Associated Fees, until a fiscal year after the Reclassified Facility achieves Full Decommission.

- Decommission will be implemented according to the approved RAMP for:
  - Fenceline air monitoring system; and
  - Web-based fenceline data display and notification system
- Community monitoring fees to be paid until a fiscal year after achieving full decommission

# PAR 1180 & 1180.1

## Recordkeeping & Reporting

### (7) Recordkeeping and Reporting Requirements

(A) An owner or operator of a Reclassified Facility shall comply with all applicable recordkeeping and reporting requirements specified in subdivision (k); and

(B) An owner or operator of a Reclassified Facility shall submit a report for each calendar quarter no later than 30 days following the reporting period after the approval of the RAMP, providing the following information:

(i) Emission sources with active South Coast AQMD permits and their operation status; and

(ii) Monitoring equipment in operation.

- Same general recordkeeping requirements as for an operating facility
- Additionally, quarterly report for decommissioning status

# Next Steps



Continue stakeholder meetings and working group meetings

Public Workshop – Q3 2026

- Release of Preliminary Draft Rules and Staff Report

Public Hearing – Q4 2026

- Release of Draft Rules and Staff Report 30 days before the Hearing

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