

South Coast Air Quality Management District
Notice of Public Workshop

**PROPOSED RULE 1109.1 –
EMISSIONS OF OXIDES OF NITROGEN FROM PETROLEUM REFINERIES
AND RELATED OPERATIONS**

**PROPOSED RULE 429.1 – STARTUP AND SHUTDOWN PROVISIONS AT PETROLEUM
REFINERIES AND RELATED OPERATIONS**

**PROPOSED AMENDED RULE 1304 –
EXEMPTIONS**

**PROPOSED AMENDED RULE 2005 –
NEW SOURCE REVIEW FOR RECLAIM**

**PROPOSED RESCINDED RULE 1109 –
EMISSIONS OF OXIDES OF NITROGEN FROM BOILERS AND PROCESS HEATERS IN
PETROLEUM REFINERIES**

Wednesday September 1, 2021
1:00 p.m.

Join Zoom Meeting - from PC or Laptop:
<https://scaqmd.zoom.us/j/96791024440>
Zoom Webinar ID: 967 9102 4440 (applies to all)
To participate by phone or for audio by phone:
Dial In +1 669 900 6833
One tap mobile +16699006833,,96791024440#

(Please note if the Zoom meeting link provided does not work, copy the link into web browser, or directly enter the meeting ID into the Zoom web or mobile application)

The South Coast Air Quality Management District (South Coast AQMD) recognizes the challenges businesses and other stakeholders are experiencing due to COVID-19 and seeks to be consistent with Governor Newsom's Executive Order N-29-20 (March 18, 2020). To ensure we are practicing safe social distancing, the Public Workshop will only be conducted via video conferencing (Zoom) which can be accessed via your computer or smart phone. Alternatively, stakeholders can phone-in to participate. We understand that this is not the same as a face to face public meeting; however, staff will take the time to listen to comments from all stakeholders.

You are invited to attend the meeting electronically through Zoom. Instructions on how to participate can be found at the top of this notice.

Purpose of This Meeting

The South Coast AQMD has scheduled a Public Workshop to present and solicit information and suggestions from the public regarding the adoption of: Proposed Rule 1109.1 – Emissions of Oxides of Nitrogen from Petroleum Refineries and Related Operations (PR 1109.1), Proposed Rule 429.1 – Startup and Shutdown Provisions at Petroleum Refineries and Related Operations (PR 429.1), Proposed Amended Rule 1304 – Exemptions (PAR 1304), Proposed Amended Rule 2005 – New Source Review for RECLAIM (PAR 2005); and the rescinding of Rule 1109 – Emissions of Oxides of Nitrogen from Boilers and Process Heaters in Petroleum Refineries (Proposed Rescinded Rule 1109). PR 1109.1 and PR 429.1 are scheduled to be adopted, PAR 1304 and PAR 2005 are scheduled to be amended and Proposed Rescinded Rule 1109 is scheduled to be rescinded at a Public Hearing before the South Coast AQMD Governing Board on November 5, 2021 (subject to change).

Rule Background

The 2016 Air Quality Management Plan (AQMP) included Control Measure CMB-05 – Further NO_x Reductions from RECLAIM Assessment which committed to an assessment of the Regional Clean Air Incentives Market (RECLAIM) program in order to achieve further emission reductions of five tons per day of oxides of nitrogen (NO_x) to help the Basin achieve state and federal ozone air quality standards. Upon adoption of the 2016 AQMP, the Governing Board further committed to actions to sunset the NO_x RECLAIM program and transition to a command-and-control regulatory structure requiring NO_x emissions. PR 1109.1 will facilitate the transition of the NO_x RECLAIM program to a command-and-control regulatory structure requiring Best Available Retrofit Control Technology (BARCT) NO_x emission limits, or facility-wide emission reductions that are equivalent to BARCT, and partially implement Control Measure CMB-05 by contributing to the NO_x reduction commitment. PR 1109.1 is also designed to meet the requirements of California State Assembly Bill 617 requiring BARCT on all industrial sources and implementing BARCT requirements for Green House Gas Cap-and-Trade facilities.

Objective of the Proposed, Amended, and Rescinded Rules

The objective of PR 1109.1 is to reduce NO_x emissions, while not increasing CO emissions, for combustion equipment located at petroleum refineries and facilities with operations related to petroleum refineries, which includes, asphalt plants, biofuel plants, hydrogen production plants, facilities that operate petroleum coke calciners, sulfuric acid plants, and sulfur recovery plants. Rule 1109 will also be rescinded because with the adoption of PR 1109.1, the existing Rule 1109 will be outdated and not necessary.

PR 429.1 will provide an exemption from the NO_x and CO emission limits in PR 1109.1 during startup, shutdown, and certain maintenance events. PR 429.1 will establish provisions for startup, shutdown, and certain maintenance events, and notification and recordkeeping provisions for units that are subject to PR 1109.1.

To achieve the BARCT NO_x concentration limits under PR 1109.1, operators are expected to install Selected Catalytic Reduction (SCR) systems. Installations or modifications of post combustion controls such as SCR to comply with PR 1109.1 emission limits may result in an increase of particulate matter and sulfur oxides, which may trigger Best Available Control Technology (BACT) requiring sulfur clean-up of the refinery fuel gas. The objective of PAR 1304 and PAR 2005 is to include a narrow BACT exemption for PM₁₀ and SO_x emission increases associated with add-on air pollution control equipment or installation of new units with add-on pollution control equipment installations or modifications to comply with proposed NO_x limits in PR 1109.1.

California Environmental Quality Act

Pursuant to the California Environmental Quality Act (CEQA) and South Coast AQMD's certified regulatory program (Public Resources Code Section 21080.5, CEQA Guidelines Section 15251(l) and South Coast AQMD Rule 110), the South Coast AQMD, as lead agency for the proposed project, will prepare the appropriate CEQA documentation for the proposed project in accordance with CEQA requirements.

Available Supporting Documents

The following supporting documents will be available no later than August 21, 2021:

- Proposed Rule 1109.1 – Emissions of Oxides of Nitrogen from Petroleum Refineries and Related Operations;
- Rule 1109 – Emissions of Oxides of Nitrogen from Boilers and Process Heaters in Petroleum Refineries;
- Preliminary Draft Staff Report for Proposed Rule 1109.1 and Proposed Rescinded Rule 1109;
- Proposed Rule 429.1 – Startup and Shutdown Provisions at Petroleum Refineries and Related Operations;
- Preliminary Draft Staff Report for Proposed Rule 429.1;
- Proposed Amended Rule 1304 – Exemptions;
- Proposed Amended Rule 2005 – New Source Review for RECLAIM; and
- Preliminary Draft Staff Report for Proposed Amended Rules 1304 and 2005.

To Obtain Copies of the Above Documents

Copies of the rules subject to this workshop and the preliminary draft staff report will be available no later than August 21, 2021, and may be obtained from:

Derrick Alatorre
Deputy Executive Officer/Public Advisor
dalatorre@aqmd.gov or by calling (909) 396-2432

The documents will also be available for download from the South Coast AQMD website at:
<http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules>

Americans with Disabilities Act and Language Accessibility

Disability and language-related accommodations can be requested to allow participation in the Public Workshop. The agenda will be made available, upon request, in appropriate alternative formats to assist persons with a disability (Government Code Section 54954.2(a)). In addition, other documents may be requested in alternative formats and languages. Any disability or language-related accommodation must be requested as soon as practicable. Requests will be accommodated unless providing the accommodation would result in a fundamental alteration or undue burden to the South Coast AQMD. Please contact Michael Krause at (909) 396-2706 from 7:00 a.m. to 5:30 p.m., Tuesday through Friday, or send the request to mkrause@aqmd.gov.

Submission of Documents or Comments

Please submit any relevant comments, documents, studies, reports, or other relevant information to Sarady Ka at the contact information listed below.

Sarady Ka
Planning, Rule Development and Area Sources
South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765
Email: ska@aqmd.gov
Phone: (909) 396-2331

Written comments on the rules subject to this workshop should be submitted by September 17, 2021.