



NO_x RECLAIM WORKING GROUP MEETING

JUNE 16, 2021

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[HTTPS://SCAQMD.ZOOM.US/J/98344812021](https://scaqmd.zoom.us/j/98344812021)

MEETING ID: 983 4481 2021

TELECONFERENCE DIAL-IN: 1-669-900-6833

Agenda

- Rulemaking Status on Landing Rules
- Ongoing Efforts and Next Steps



RULEMAKING STATUS ON LANDING RULES



Rules Under Development



PR 1147.1 – Aggregate Facilities

Public Hearing: August 6, 2021



PR 1147.2 – Metal Melting and Heating Furnaces

Public Hearing: October 1, 2021



PR 1109.1 – Refinery Equipment

Public Hearing: September 3, 2021



PR 1159.1 – Nitric Acid Processing Tanks

Public Hearing: Second Quarter 2022



PAR 1147 – Miscellaneous Combustion Sources

Public Hearing: January 7, 2022



PAR 1153.1 – Commercial Food Ovens

Public Hearing: February 4, 2022

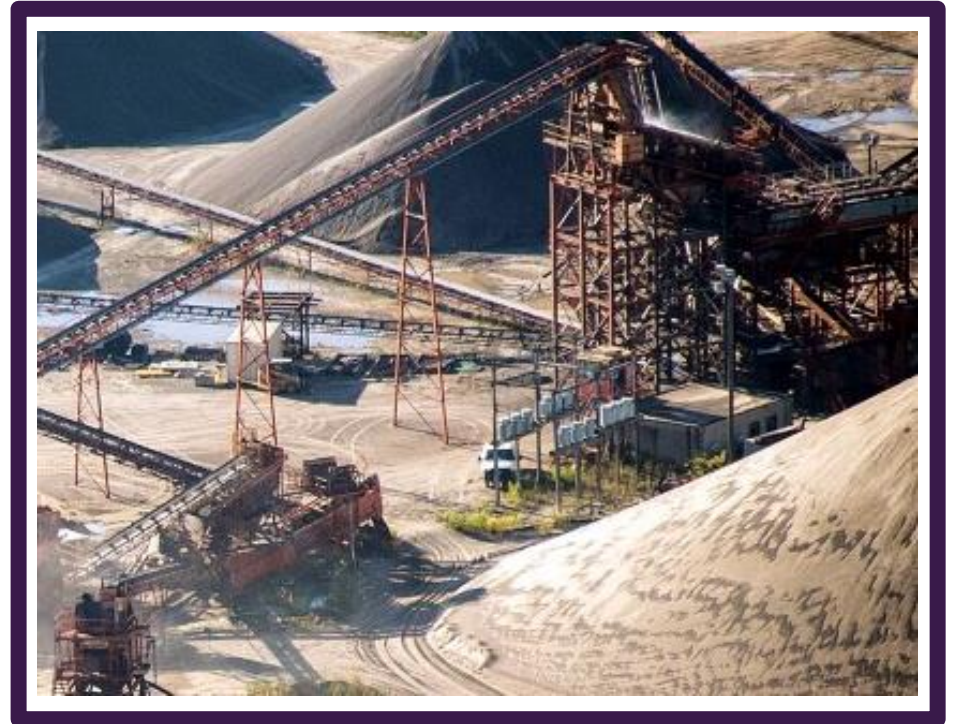
PAR 1147 – Miscellaneous Combustion Sources

- Previous Working Group Meeting held March 10, 2021
- Working with equipment vendors and burner manufacturers
- Cost-effectiveness analysis for remaining equipment categories anticipated to be presented at the next Working Group Meeting
- Next Working Group Meeting: late June/early July
- Public Hearing moved to January 7, 2022



PR 1147.1 – Aggregate Facilities

- Released preliminary rule language and draft staff report on May 21, 2021
- Public Workshop held on May 26, 2021
- Staff is continuing to work with stakeholders on comments presented during Public Workshop
- Stationary Source Committee: June 18, 2021
- Public Hearing: August 6, 2021



PR 1147.2 – Metal Melting and Heating Furnaces

- Working Group Meeting held on February 2, 2021
- Meeting with the California Metals Coalition and individual facilities to obtain more information
- Next Working Group Meeting: Late June
- Public Hearing: October 1, 2021



PR 1109.1 – Refinery Equipment

- Working Group Meeting held on May 27, 2021
- Norton Engineering finalized review of revised cost data
- Staff proposed BARCT near limits for gas turbines and SMR heaters
- Staff is reassessing proposed BARCT limits, cost-effectiveness, and incremental cost-effectiveness for:
 - Heaters and boilers (>40 MMBtu/hr)
 - FCCU with existing SCRs
 - Vapor incinerators and thermal oxidizers
- Ongoing meetings to address issues and concerns from stakeholders
- Public Hearing: September 3, 2021



PR 429.1 – Start-up and Shutdown of Refinery Equipment

- Working Group Meetings for PR 429.1 are incorporated in the PR 1109.1 Working Group Meetings
- Discussed revised provisions at the May 27, 2021 PR 1109.1 Working Group
- Meeting with stakeholders to address issues and concerns
- Public Hearing: September 3, 2021 (with PR 1109.1)



PR 1159.1 – Nitric Acid Processing Tanks

- Addresses NOx emissions from nitric acid processing tanks
- Staff in data gathering phase
- Public Hearing moved to 2nd Quarter 2022



<https://tri-mer.com/tanks/polypro-tanks-case-study.html>

PAR 1153.1 – Commercial Food Ovens

- Staff identified six RECLAIM facilities which operate food ovens, smokers, or dryers that will be subject to Proposed Amended Rule 1153.1
- Staff in data gathering phase
- Food ovens at RECLAIM facilities will become subject to the requirements of Proposed Amended Rule 1153.1
- Public Hearing moved to February 4, 2022



Adopted/Amended Rules for RECLAIM Transition and NOx Reductions



Rules 1146, 1146.1, 1146.2 – Boilers, Process Heaters, and Steam Generators

0.27



Rule 1118.1 – Non Refinery Flares

0



Rules 218, 218.2, 218.3 – Continuous Emissions Monitoring Systems

N/A



Rule 1134 – Gas Turbines

1.8



Rule 1135 – Electricity Generating Facilities

1.7



Rule 1110.2 – Gaseous- and Liquid-Fueled Engines

0.29



Rule 1117 – Container Glass Melting/Sodium Silicate Furnaces

0.57

Total NOx Reductions = 4.63 tons per day*

* Sum of NOx reductions from RECLAIM facilities only. Some NOx reductions may be attributed to the 2015 RECLAIM shave.

Landing Rules Staff is Revisiting

- Staff is proposing amendments for landing rules that have been adopted or amended to address:
 - Ammonia slip limits
 - Startup and shutdown provisions
 - References to Rules 218.2 and 218.3 for CEMS
- The following rules are scheduled for amendments:
 - Proposed Amended Rule 1134 – Emissions of Oxides of Nitrogen from Stationary Gas Turbines (December 2021)
 - Proposed Amended Rule 1135 – Emissions of Oxides of Nitrogen from Electricity Generating Facilities (November 2021)
 - Proposed Amended Rule 429 – Start-Up and Shutdown Exemption Provisions for Oxides of Nitrogen (Rule 1146 and 1134 units; December 2021)
 - Proposed Rule 429.2 – Startup and Shutdown Exemption Provisions for Oxides of Nitrogen (Rule 1135 units; November 2021)

Ongoing Efforts and Next Steps



Continue rulemaking activities



Continue working with U.S. EPA, CARB, and stakeholders



Monthly RECLAIM and Regulation XIII NSR Working Group Meetings



Quarterly Stationary Source Committee updates

Contacts – RECLAIM & New Source Review

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To receive e-mail notifications for Regulation XX or Regulation XIII, sign up at: www.aqmd.gov/sign-up
 To view proposed rules and supporting documentation, visit the South Coast AQMD Proposed Rules webpage at:
<http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules>

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