



# NO<sub>x</sub> RECLAIM WORKING GROUP MEETING

JANUARY 21, 2021

JOIN ZOOM MEETING

[HTTPS://SCAQMD.ZOOM.US/J/95820623927](https://scaqmd.zoom.us/j/95820623927)

MEETING ID: 958 2062 3927

PASSCODE: 243471

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

# Agenda

- Rulemaking Status on Landing Rules
- Ongoing Efforts and Next Steps
  - Stakeholders requested additional time to provide comments on the RECLAIM Transition Plan
    - Extended comment period to January 22, 2021
  - Staff will discuss stakeholder comments on the RECLAIM Transition Plan at the next Working Group Meeting



# RULEMAKING STATUS ON LANDING RULES



# Rules Under Development



PAR 218 and  
PR 218.2/218.3 – Continuous  
Emissions Monitoring Systems

Public Hearing: March 5, 2021



PR 1147.1 – Aggregate  
Facilities (Will be incorporated  
into PAR 1147)

Public Hearing: June 4, 2021



PR 1109.1 – Refinery  
Equipment

Public Hearing: June 4, 2021



PAR 1147 – Miscellaneous  
Combustion Sources

Public Hearing: June 4, 2021



PR 1147.2 – Metal Melting  
and Heating Furnaces

Public Hearing: August 6, 2021



PR 1159.1 – Nitric Acid  
Processing Tanks

Public Hearing: November 5, 2021



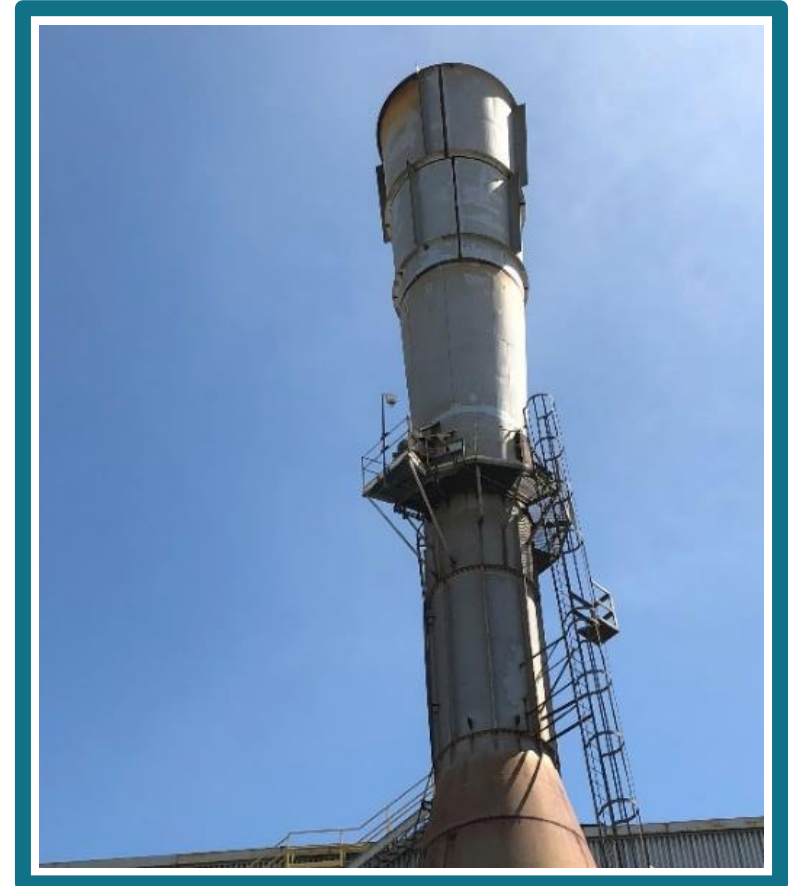
PAR 1153.1 – Commercial  
Food Ovens

Public Hearing: To-Be-Determined

## PAR 218 and PR 218.2 & 218.3 – Requirements for Continuous Emissions Monitoring Systems

- Streamlined CEMS requirements and performance standards
- Implementation approach proposed for the transition
- Preliminary Draft Rules and Draft Staff Report released December 18, 2020
- Public Workshop: January 6, 2021
- Public Hearing: March 5, 2021

\* No amendments needed for Rule 218.1



# PAR 1147 – Miscellaneous Combustion Sources

- Working with equipment vendors and burner manufacturers
- Presented cost-effectiveness analysis results for four more equipment categories
- Cost-effectiveness analysis for remaining equipment categories anticipated to be presented at the next Working Group Meeting
- Working Group Meeting: January 20, 2021
- Public Hearing: June 4, 2021





# PR 1147.1 – Aggregate Facilities

- Vendor meeting held on October 2, 2020
- Virtual site visit of industrial sand facility conducted on November 5, 2020
- Working Group Meetings December 3, 2020 and January 20, 2021
- After January Working Group Meeting, PR 1147.1 will be incorporated into PAR 1147



## PR 1147.2 – Metal Melting and Heating Furnaces

- 6<sup>th</sup> Working Group Meeting held on September 3, 2020
- Will be presenting cost-effectiveness for all categories and implementation approach at next Working Group Meeting
- Next Working Group Meeting: January 28, 2021
- Public Hearing: August 6, 2021





# PR 1109.1 – Refinery Equipment

- Scheduling meetings with facilities to discuss BARCT Compliance Alternative Plan (B-CAP)
- Reviewing stakeholder comment letters
- Released 3<sup>rd</sup> version of Rule Language December 2020
- Next Working Group Meeting: Early February
- Public Hearing: June 4, 2021



# PR 1159.1 – Nitric Acid Processing Tanks

- Addresses NOx emissions from nitric acid processing tanks
- Staff in data gathering phase
- Public Hearing: November 5, 2021



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

## PAR 1153.1 – Commercial Food Ovens

- Staff identified 6 RECLAIM facilities which operate food ovens, smokers, or dryers that will be subject Rule 1153.1
- BARCT analysis is needed
- Food ovens at RECLAIM facilities will become subject to the requirements of Rule 1153.1
- Public Hearing: To-Be-Determined





# Emission Reductions (Tons per Day\*)



Rules 1146, 1146.1,  
1146.2 – Boilers,  
heaters, and steam  
generators

0.27



Rule 1135 – Electric  
Generating Facilities

1.7



Rule 1118.1 – Non  
Refinery Flares

0



Rule 1110.2 –  
Gaseous- and Liquid-  
Fueled Engines

0.29



Rule 1134 – Gas  
Turbines

1.8



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

# 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



Discuss stakeholder comments on the RECLAIM Transition Plan (Draft Version 2.0) at the next working group meeting



# Contacts

## General Questions

Susan Nakamura  
Assistant Deputy Executive Officer  
909-396-3105  
[snakamura@aqmd.gov](mailto:snakamura@aqmd.gov)

## General RECLAIM Questions

Gary Quinn, P.E.  
Program Supervisor  
909-396-3121  
[gquinn@aqmd.gov](mailto:gquinn@aqmd.gov)

Isabelle Shine  
Air Quality Specialist  
909-396-3064  
[ishine@aqmd.gov](mailto:ishine@aqmd.gov)

## New Source Review

Michael Morris  
Planning and Rules Manager  
909-396-3282  
[mmorris@aqmd.gov](mailto:mmorris@aqmd.gov)

Uyen-Uyen Vo  
Program Supervisor  
909-396-2238  
[uvo@aqmd.gov](mailto:uvo@aqmd.gov)

Lizabeth Gomez  
Air Quality Specialist  
909-396-3103  
[lgomez@aqmd.gov](mailto:lgomez@aqmd.gov)

To receive e-mail notifications for Regulation XX or Regulation XIII, sign up at: [www.aqmd.gov/sign-up](http://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>

# Rule Contacts – Proposed Amended/Adopted

|   |                  |                                  |              |  |
|---|------------------|----------------------------------|--------------|--|
| Proposed Rule 1109.1                                      | Heather Farr     | Program Supervisor               | 909-396-3672 | <a href="mailto:hfarr@aqmd.gov">hfarr@aqmd.gov</a>         |
|   | Sarady Ka        | Air Quality Specialist           | 909-396-2331 | <a href="mailto:ska@aqmd.gov">ska@aqmd.gov</a>             |
| Proposed Amended Rule 1147                                | Gary Quinn, P.E. | Program Supervisor               | 909-396-3121 | <a href="mailto:gquinn@aqmd.gov">gquinn@aqmd.gov</a>       |
|   | Shawn Wang       | Air Quality Specialist           | 909-396-3319 | <a href="mailto:swang@aqmd.gov">swang@aqmd.gov</a>         |
| Proposed Rule 1147.1                                      | Gary Quinn, P.E. | Program Supervisor               | 909-396-3121 | <a href="mailto:gquinn@aqmd.gov">gquinn@aqmd.gov</a>       |
|   | Steve Tsumura    | Air Quality Specialist           | 909-396-2549 | <a href="mailto:stsumura@aqmd.gov">stsumura@aqmd.gov</a>   |
| Proposed Rule 1147.2                                      | Rudy Chacon      | Air Quality Specialist           | 909-396-2726 | <a href="mailto:rchacon@aqmd.gov">rchacon@aqmd.gov</a>     |
|   | James McCreary   | Assistant Air Quality Specialist | 909-396-2451 | <a href="mailto:jmccreary@aqmd.gov">jmccreary@aqmd.gov</a> |
| Proposed Rule 1159.1                                      | Rudy Chacon      | Air Quality Specialist           | 909-396-2726 | <a href="mailto:rchacon@aqmd.gov">rchacon@aqmd.gov</a>     |
|   | Isabelle Shine   | Air Quality Specialist           | 909-396-3064 | <a href="mailto:ishine@aqmd.gov">ishine@aqmd.gov</a>       |
| Proposed Amended Rule 218<br>Proposed Rules 218.2 & 218.3 | Gary Quinn, P.E. | Program Supervisor               | 909-396-3121 | <a href="mailto:gquinn@aqmd.gov">gquinn@aqmd.gov</a>       |
|   | Yanrong Zhu      | Air Quality Specialist           | 909-396-3289 | <a href="mailto:y Zhu1@aqmd.gov">yzhu1@aqmd.gov</a>        |

# Rule Contacts – Amended/Adopted

|                              |                     |                            |              |  |
|------------------------------|---------------------|----------------------------|--------------|--|
| Rule 1117                    | Uyen-Uyen Vo        | Program Supervisor         | 909-396-2238 | <a href="mailto:uvo@aqmd.gov">uvo@aqmd.gov</a>           |
|                              | Rudy Chacon         | Air Quality Specialist     | 909-396-2726 | <a href="mailto:rchacon@aqmd.gov">rchacon@aqmd.gov</a>   |
| Rule 1110.2                  | Uyen-Uyen Vo        | Program Supervisor         | 909-396-2238 | <a href="mailto:uvo@aqmd.gov">uvo@aqmd.gov</a>           |
|                              | Rudy Chacon         | Air Quality Specialist     | 909-396-2729 | <a href="mailto:rchacon@aqmd.gov">rchacon@aqmd.gov</a>   |
| Rules 1134 & 1135            | Michael Morris      | Planning and Rules Manager | 909-396-3282 | <a href="mailto:mmorris@aqmd.gov">mmorris@aqmd.gov</a>   |
|                              | Uyen-Uyen Vo        | Program Supervisor         | 909-396-2238 | <a href="mailto:uvo@aqmd.gov">uvo@aqmd.gov</a>           |
| Rules 1146, 1146.1, & 1146.2 | Gary Quinn, P.E.    | Program Supervisor         | 909-396-3121 | <a href="mailto:gquinn@aqmd.gov">gquinn@aqmd.gov</a>     |
|                              | Kalam Cheung, Ph.D. | Program Supervisor         | 909-396-3281 | <a href="mailto:kcheung@aqmd.gov">kcheung@aqmd.gov</a>   |
|                              | Lizabeth Gomez      | Air Quality Specialist     | 909-396-3103 | <a href="mailto:lgomez@aqmd.gov">lgomez@aqmd.gov</a>     |
|                              | Shawn Wang          | Air Quality Specialist     | 909-396-3319 | <a href="mailto:swang@aqmd.gov">swang@aqmd.gov</a>       |
| Rule 1118.1                  | Heather Farr        | Program Supervisor         | 909-396-3672 | <a href="mailto:hfarr@aqmd.gov">hfarr@aqmd.gov</a>       |
|                              | Steve Tsumura       | Air Quality Specialist     | 909-396-2549 | <a href="mailto:stsumura@aqmd.gov">stsumura@aqmd.gov</a> |