

Guidance Document for Rule 1147 - NOx Reductions from Miscellaneous Sources

Applicability

- Manufacturers, distributors, retailers, installers, owners, and operators of various combustion equipment with NOx emissions that require a South Coast AQMD permit and are not subject to another Regulation XI rule
- All units, regardless of RECLAIM status, are subject to the rule requirements

Definitions

- Unit is considered “*In-Use Unit*” if, prior to May 6, 2022, the unit is in operation at the current location or the permit application is deemed complete
- Unit is considered “*New Unit*” if they are installed, relocated, or replaced after May 6, 2022
- A facility is considered a “*Former RECLAIM Facility*” if it has received a final determination notice

Concentration Limits and Implementation Schedule

“12-Year” Units

“32-Year” Units

| Criteria | 12-Year Units Units that do not meet Table 1 and must meet Table 2 on a 12-year schedule | 32-Year Units Units that do meet Table 1 and must meet Table 2 on a 32-year schedule |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| NOx Limit | Table 2 All Equipment Types | Table 1 and Table 2 All Equipment Types |
| Permit Application Submittal Deadline ^{1,2,3} | July 1, 2023 or July 1 of year after burner turns 12 years old | July 1, 2023 or July 1 of year after burner turns 32 years old |
| Compliance Schedule ³ | 12 months after permit issued (Rule 205 extension allowed) | |

RECLAIM Facilities: at time of permit application, both individual unit and facility-wide permit revision are required

¹*Decommissioned Units:* Units may be decommissioned in lieu of submitting a permit application by surrendering permit no later than 30 months after permit application submittal deadline

²*CO Limits:* Units without a CO permit condition or a non-compliant CO permit condition are only required to take a CO condition at the time of NOx permitting

³*Alternative compliance schedule:* units identified in Table 3 may elect for alternative schedule in Table 3

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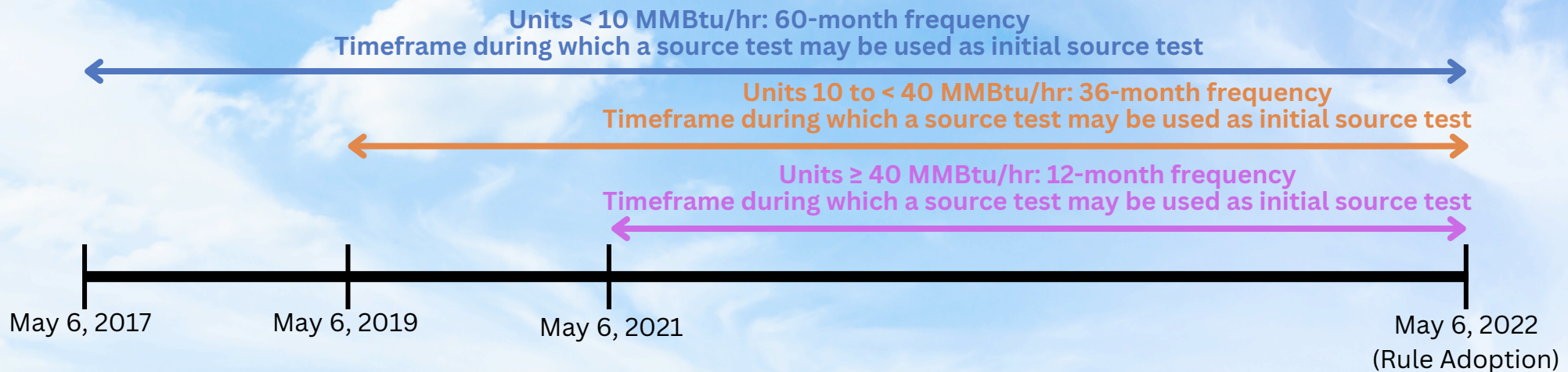
Multiple Unit Implementation Schedule

- Only eligible for facilities with five or more units with a July 1, 2023 permit application submittal deadline
- Minimum number of permit applications per year based on percentage of total affected rated heat input capacity
- Example: 7 units of 3 MMBtu/hr each
x4 permit applications submitted in 2023
x3 permit applications submitted in 2024

Less than One Pound NOx Per Day

- Units not subject to concentration limits of rule, but become subject if NOx emissions exceed one pound per day averaged over a given month
- Individual unit must install a non-resettable totalizing meter (for time or fuel) to demonstrate that NOx emissions are under one pound per day averaged over a given month

Monitoring and Source Testing Requirements



- *Permit Application Source Tests:* All units, regardless of RECLAIM status, may be required to source test as part of permit application process, which sets the frequency for subsequent source tests
- *Initial Source Test for Units Without a Source Test*
 - 24 months after rule adoption (all units) or 24 months after exiting RECLAIM (RECLAIM units only), whichever is later, subject to applicable limit at the time of testing
 - Previous source test may be used as initial source test if conducted within applicable frequency
- *Ongoing Source Test Frequency:* every five calendar years (for units < 10 MMBtu/hr), every three calendar years (for units 10 to < 40 MMBtu/hr), or every calendar year (for units ≥ 40 MMBtu/hr)