

**RULE 1100                      IMPLEMENTATION SCHEDULE FOR NO<sub>x</sub> FACILITIES**

(a) Purpose

The purpose of this rule is to establish the implementation schedule for Regulation XX NO<sub>x</sub> RECLAIM facilities that are transitioning to a command-and-control regulatory structure.

(b) Applicability

This rule applies to RECLAIM or FORMER RECLAIM facilities that own or operate equipment that meets the applicability provisions specified in:

- (1) Rule 1146 – Emissions of Oxides of Nitrogen from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters; or
- (2) Rule 1146.1 – Emissions of Oxides of Nitrogen from Small Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters.

(c) Definitions

- (1) BTU means British thermal unit or units.
- (2) FORMER RECLAIM FACILITY means a facility that was in the Regional Clean Air Incentives Market as of January 5, 2018, as established in Regulation XX, that has received a final determination notification, and is no longer in the RECLAIM program.
- (3) HEAT INPUT means the chemical heat released due to complete combustion of an amount of fuel in a unit, using the higher heating value of the fuel. This does not include the sensible heat of incoming combustion air.
- (4) INDUSTRY-SPECIFIC CATEGORY means RECLAIM or FORMER RECLAIM facilities that consists of refineries or electricity generating facilities.
- (5) NO<sub>x</sub> EMISSIONS means the sum of nitric oxides and nitrogen dioxides emitted, calculated as nitrogen dioxide.
- (6) RATED HEAT INPUT CAPACITY means the heat input capacity as specified by the permit issued by the Executive Officer, or if not specified on the permit, on the nameplate of the combustion unit. If the combustion unit has been altered or modified such that its maximum heat input is different than the heat input capacity specified on the nameplate, the new maximum heat input shall be considered as the rated heat input capacity.

- (7) RECLAIM FACILITY means a facility that was in the Regional Clean Air Incentives Market as of January 5, 2018, as established in Regulation XX.
  - (8) RULE 1146 UNIT means any boiler, steam generator, water heater, or process heater subject to Rule 1146 with a rated heat input capacity that is equal to or greater than 5 million Btu per hour, excluding units specified in Rule 1146 exemptions.
  - (9) RULE 1146.1 UNIT means any boiler, steam generator, or process heater subject to Rule 1146.1 with a rated heat input capacity that is greater than 2 million Btu per hour and less than 5 million Btu per hour, excluding units specified in Rule 1146.1 exemptions.
  - (10) TITLE V FACILITY means any facility that meets the criteria set forth in Rule 3001 - Applicability.
- (d) Rule 1146 and Rule 1146.1 Implementation Schedule
- (1) An owner or operator of a RECLAIM or FORMER RECLAIM facility with any Rule 1146 or Rule 1146.1 Unit shall:
    - (A) On or before [*12 months after date of adoption*], submit complete permit applications for any Rule 1146 and Rule 1146.1 Units that currently do not meet the applicable NOx concentration limit specified in paragraph (d)(3);
    - (B) On or before January 1, 2021 meet the applicable NOx concentration limit for a minimum of 75% of the cumulative total heat input capacity of all Rule 1146 and Rule 1146.1 Units at the facility; and
    - (C) On or before January 1, 2022 meet the applicable NOx concentration limit of 100% of Rule 1146 and Rule 1146.1 Units at the facility.
  - (2) An owner or operator of a RECLAIM or FORMER RECLAIM facility that elects to replace an existing Rule 1146 or Rule 1146.1 Unit with a new unit may use the heat input of the unit being replaced to meet the required percentage of the total heat input for all Rule 1146 and Rule 1146.1 Units at the facility specified under subparagraphs (d)(1)(B) and (d)(1)(C) provided the owner or operator:
    - (A) On or before [*12 months after date of adoption*], submits complete permit applications for any new Rule 1146 and Rule 1146.1 Units, as well as accepts a permit condition that identifies which unit(s) will be replaced and no longer operated when the new units are installed or after January 1, 2023, whichever is earlier; and

- (B) Replaces the existing unit on or before January 1, 2023.
- (3) The applicable NO<sub>x</sub> concentration limits specified in subparagraphs (d)(1)(B) and (d)(1)(C) are as follows:
  - (A) Rule 1146 Units shall meet the NO<sub>x</sub> concentration limit for the category of equipment specified in Rule 1146, Table 1146-1 – Standard Compliance Limits;
  - (B) Rule 1146 Units that meet the applicability provisions specified in Rule 1146 paragraph (c)(2) shall meet the ammonia emission limit specified in Rule 1146 paragraph (c)(2).
  - (C) Rule 1146.1 Units shall meet the NO<sub>x</sub> concentration limit for the category of equipment specified in Rule 1146.1, Table 1146.1-1; and
  - (D) Rule 1146.1 Units that meet the applicability provisions specified in Rule 1146.1 paragraph (c)(7) shall meet the NO<sub>x</sub> concentration limit specified in Rule 1146.1 paragraph (c)(7).
- (4) Notwithstanding paragraph (d)(1), an owner or operator of a RECLAIM or FORMER RECLAIM facility that has installed or modified the following Rule 1146 or Rule 1146.1 Units prior to [date of adoption] shall meet the NO<sub>x</sub> emission limit specified in paragraph (d)(3) by [15 years after the date of adoption] or when 50 percent or more of the unit's burners are replaced, whichever is earlier:
  - (A) Units subject to Rule 1146 subparagraph (c)(1)(F) with a NO<sub>x</sub> emission limit of 7 ppm or less as specified in a SCAQMD Permit to Operate; or
  - (B) Units subject to Rule 1146 subparagraph (c)(1)(H) or (c)(1)(I) with a NO<sub>x</sub> emission limit of 12 ppm or less as specified in a SCAQMD Permit to Operate; or
  - (C) Units subject to Rule 1146.1 subparagraph (c)(1)(E) or (c)(1)(F) with a NO<sub>x</sub> emission limit of 12 ppm or less as specified in a SCAQMD Permit to Operate; or
  - (D) Thermal fluid heaters, as defined in Rule 1146 paragraph (b)(27), subject to Rule 1146 subparagraph (c)(1)(K) with a NO<sub>x</sub> emission limit of 20 ppm or less as specified in a SCAQMD Permit to Operate; or
  - (E) Thermal fluid heaters, as defined in Rule 1146.1 paragraph (b)(21), subject to Rule 1146.1 subparagraph (c)(1)(G) with a NO<sub>x</sub> emission limit of 20 ppm or less as specified in a SCAQMD Permit to Operate.

- (5) Any unit at a RECLAIM or FORMER RECLAIM facility that is subject to a NO<sub>x</sub> emission limit in a different rule for an industry-specific category is not subject to the requirements contained in this subdivision.
- (e) The applicable monitoring, reporting, and recordkeeping requirements are as follows:
  - (1) For Title V facilities, an owner or operator of a RECLAIM facility shall comply with the monitoring, reporting, and recordkeeping requirements specified in Rule 2012.
  - (2) Except for Title V facilities, the owner or operator of a RECLAIM that becomes a FORMER RECLAIM facility shall comply with the monitoring, reporting, and recordkeeping requirements in the applicable rule(s) as specified in subdivision (b) upon the date the facility becomes a FORMER RECLAIM facility.