

3745-14-12 **Stationary internal combustion engines.**

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see the "Incorporation by Reference" section at the end of rule 3745-14-01 of the Administrative Code.]

(A) The requirements of this rule apply to the owner or operator of any large NO_x SIP call engine.

(B) Compliance plan.

(1) After May 1, 2007, an owner or operator of a large NO_x SIP call engine shall not operate the engine in the 2007 control period or any subsequent year's control period unless the owner or operator complies with the requirements of a compliance plan which meets the provisions listed below.

(a) The compliance plan shall be approved by the director.

(b) The compliance plan shall demonstrate enforceable emission reductions from one or more stationary internal combustion engines equal to or greater than the facility seasonal NO_x 2007 tonnage reduction.

(c) The compliance plan may cover some or all engines at an individual facility or at several facilities or at all facilities in the state of Ohio that are in control of the same owner/operator.

(d) The compliance plan shall be submitted to the director by May 1, 2006.

(e) The compliance plan may include credit for decreases in NO_x emissions from large NO_x SIP call engines in the state of Ohio due to NO_x control equipment. Credit may also be included for decreases in NO_x emissions from other engines in the state of Ohio due to NO_x control equipment not reflected in the 2007 base NO_x emissions in the NO_x SIP call engine inventory.

(f) The compliance plan shall include the following items:

(i) List of engines subject to the plan, including the engine's manufacturer, model, facility location address, and facility identification number;

(ii) The projected control period hours of operation for each engine and supporting documentation;

- (iii) A description of the NO_x emissions control installed, or to be installed, on each engine and documentation to support the projected NO_x emission rates;
 - (iv) The past and projected NO_x emission rates for each affected engine in grams per brake horsepower-hour;
 - (v) A numerical demonstration that the emission reductions obtained from all engines included under the plan will be equivalent to or greater than the owner/operator's facility seasonal NO_x 2007 tonnage reduction, based on the difference between the past NO_x emission rate and the projected NO_x emission rate multiplied by the projected operating hours for each affected engine, and taking into account any credit under paragraph (B)(1)(e) of this rule; and
 - (vi) Provisions for monitoring, reporting and recordkeeping for each affected engine.
- (2) The projected NO_x emission rate in grams per brake horsepower-hour for each affected engine shall be included in a federally enforceable permit.
- (C) Any owner or operator subject to the requirements of paragraph (B) of this rule shall comply with the following requirements:
- (1) Monitoring requirements:
- (a) Complete an initial performance test consistent with the requirements of 40 CFR Part 60, Appendix A, following installation of emission controls required to achieve the emission rate limit specified in paragraph (B)(2) of this rule.
 - (b) Perform periodic monitoring sufficient to yield reliable data from the relevant time period that is representative of a source's compliance with the emission rate limit specified in paragraph (B)(2) of this rule. Such periodic monitoring may include either:
 - (i) Performance tests consistent with the requirements of 40 CFR Part 60, Appendix A, or portable monitors using ASTM D6522-00(2005);
 - (ii) A parametric monitoring program that specifies operating parameters, and their ranges, that will provide reasonable assurance that each engine's emissions are consistent with the requirements of paragraph (B)(2) of this rule;
 - (iii) A predictive emissions measurement system that relies on automated data collection from instruments; or

- (iv) A continuous emission monitoring system that complies with 40 CFR Part 60 or 40 CFR Part 75.

(2) Record keeping requirements:

- (a) Maintain all records necessary to demonstrate compliance with the requirements of this rule for a period of two calendar years at the plant at which the subject engine is located. The records shall be made available to the director and administrator upon request.
- (b) For each engine subject to the requirements of this rule, the owner or operator shall maintain records of:
 - (i) Identification and location of each engine subject to the requirements of this rule:
 - (ii) Calendar date of record:
 - (iii) The number of hours the unit is operated during each control period compared to the projected operating hours:
 - (iv) Type and quantity of fuel used: and
 - (v) The results of all compliance tests.

(3) Reporting requirements.

Any owner or operator subject to the requirements of this rule shall submit results of all compliance tests to the director.

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