**Section 217.388 Control and Maintenance Requirements**

a) On and after the applicable compliance date in Section 217.392, an owner or operator of an affected unit must inspect and maintain affected units as required by subsection (a)(4) of this Section and comply with one of the following: the applicable emissions concentration as set forth in subsection (a)(1) of this Section, the requirements for an emissions averaging plan as specified in subsection (a)(2) of this Section, or the requirements for operation as a low usage unit as specified in subsection (a)(3) of this Section.

1) Limits the discharge from an affected unit into the atmosphere of any gases that contain NOx to no more than:

A) 150 ppmv (corrected to 15 percent O2 on a dry basis) for spark-ignited rich-burn engines;

B) 210 ppmv (corrected to 15 percent O2 on a dry basis) for spark-ignited lean-burn engines, except for existing spark-ignited Worthington engines that are not listed in Appendix G;

C) 365 ppmv (corrected to 15 percent O2 on a dry basis) for existing spark-ignited Worthington engines that are not listed in Appendix G;

D) 660 ppmv (corrected to 15 percent O2 on a dry basis) for diesel engines;

E) 42 ppmv (corrected to 15 percent O2 on a dry basis) for gaseous fuel-fired turbines; and

F) 96 ppmv (corrected to 15 percent O2 on a dry basis) for liquid fuel-fired turbines.

2) Complies with an emissions averaging plan as provided for in either subsection (a)(2)(A) or (a)(2)(B) of this Section:

A) For any affected unit identified by Section 217.386: The requirements of the applicable emissions averaging plan as set forth in Section 217.390; or

B) For units identified in Section 217.386(a)(2) The requirements of an emissions averaging plan adopted pursuant to any other Subpart of this Part. For such affected engines and turbines the applicable requirements of this Subpart apply, including, but not limited to, calculation of NOx allowable and actual emissions rates, compliance dates, monitoring, testing, reporting, and recordkeeping.

3) Operates, for units not listed in Appendix G, the affected unit as a low usage unit pursuant to subsection (a)(3)(A) or (a)(3)(B) of this Section. Low usage units that are not part of an emissions averaging plan are not subject to the requirements of this Subpart Q except for the requirements to inspect and maintain the unit pursuant to subsection (a)(4) of this Section, test as required by Section 217.394(f), and retain records pursuant to Section 217.396(b) and (d). Either the limitation in subsection (a)(3)(A) or (a)(3)(B) may be utilized at a source, but not both:

A) The potential to emit (PTE) is no more than 100 TPY NOx aggregated from all engines and turbines located at the source that are not otherwise exempt pursuant to Section 217.386(b), and not complying with the requirements of subsection (a)(1) or (a)(2) of this Section, and the NOx PTE limit is contained in a federally enforceable permit; or

B) The aggregate bhp-hrs/MW-hrs from all affected units located at the source that are not exempt pursuant to Section 217.386(b), and not complying with the requirements of subsection (a)(1) or (a)(2) of this Section, are less than or equal to the bhp-hrs and MW-hrs operation limit listed in subsections (a)(3)(B)(i) and (a)(3)(B)(ii) of this Section. The operation limits of subsections (a)(3)(B)(i) and (a)(3)(B)(ii) of this Section must be contained in a federally enforceable permit, except for units that drive a natural gas compressor located at a natural gas compressor station or storage facility. The operation limits are:

i) 8 mm bhp-hrs or less on an annual basis for engines; and

ii) 20,000 MW-hrs or less on an annual basis for turbines.

4) Inspects and performs periodic maintenance on the affected unit, in accordance with a Maintenance Plan that documents:

A) For a unit not located at natural gas transmission compressor station or storage facility, either:

i) The manufacturer's recommended inspection and maintenance of the applicable air pollution control equipment, monitoring device, and affected unit; or

ii) If the original equipment manual is not available or substantial modifications have been made that require an alternative procedure for the applicable air pollution control device, monitoring device, or affected unit, the owner or operator must establish a plan for inspection and maintenance in accordance with what is customary for the type of air pollution control equipment, monitoring device, and affected unit.

B) For a unit located at a natural gas compressor station or storage facility, the operator's maintenance procedures for the applicable air pollution control device, monitoring device, and affected unit.

b) Owners and operators of affected units may change the method of compliance with this Subpart, as follows:

1) When changing the method of compliance from subsection (a)(3) of this Section to subsection (a)(1) or (a)(2) of this Section, the owner or operator must conduct testing and monitoring according to the requirements of Section 217.394(a) through (e), as applicable. For this purpose, references to the "applicable compliance date" in Section 217.394(a)(2) and (a)(3) shall mean the date by which compliance with subsection (a)(1) or (a)(2) of this Section is to begin.

2) An owner or operator of an affected unit that is changing the method of compliance from subsection (a)(1) or (a)(2) of this Section to subsection (a)(3) of this Section must:

A) Continue to operate the affected unit's control device, if that unit relied upon a NOx emissions control device for compliance with the requirements of subsection (a)(1) or (a)(2) of this Section; and

B) Prior to changing the method of compliance to subsection (c) of this Section, complete any outstanding initial performance testing, subsequent performances testing or monitoring as required by Section 217.394(a), (b), (c), (d) or (e) for the affected unit. If the deadline for such testing or monitoring has not yet occurred (e.g., the five-year testing or monitoring sequence has not yet elapsed), the owner or operator must complete the test or monitoring prior to changing the method of compliance to subsection (a)(3) of this Section. After changing the method of compliance to subsection (a)(3) of this Section, no additional testing or monitoring will be required for the affected unit while it is complying with subsection (a)(3) of this Section, except as provided for in Section 217.394(f).

(Source: Amended at 35 Ill. Reg. 18801, effective October 25, 2011)