

Nonattainment provisions - baseline for
determining credit for emission and air quality
offsets.

(A) Applicability

This section applies to any *major stationary source* or *major modification* that is to be constructed in an area designated in 40 CFR 81.336 et seq as nonattainment for an air pollutant for which the *major stationary source* or *major modification* is major.

(B) Baseline time period

- (1) The time period used to calculate the emissions offset credits shall be the most recent two year period of operation within the past five year period.
- (2) If, because of cyclic business conditions, the most recent two year period is not representative of actual *emissions unit* operation, then the director may consider an alternative two year period. An applicant desiring an alternative period shall submit a request in writing and shall submit supporting information documenting why the most recent two year period is not representative of actual operation and why the requested two year period is representative of actual operation.

(C) Calculation of baseline emissions

- (1) If the *emissions units* operated in compliance with all applicable emission limits during the two year baseline time period, then the baseline emissions shall be the annual *actual emissions* during the baseline time period.
- (2) If the *emissions units* operated out of compliance with any applicable emission limit during the two year baseline time period, then the baseline emission shall be the annual *allowable emissions* during the baseline time period.

(D) Old growth cushion

Only those emissions that have been set aside for *new source growth* in the most recent *Ohio state implementation plan* can be used by a *major stationary source* or *major modification* to offset emissions. Emissions reserved for *new source growth* in past *Ohio state implementation plans* cannot be used by a *major stationary source* or *major modification* to

offset emissions.

(E) Combustion of fuels

Generally, the emissions for determining emission offset credit involving an existing fuel combustion *stationary source* will be the *allowable emissions* under the *Ohio state implementation plan* for the type of fuel being burned at the time the *major stationary source* application is filed (i.e., if the existing owner or operator of the *stationary source* has switched to a different type of fuel at some earlier date, any resulting emission reduction [either actual or allowable] shall not be used for emission offset credit). If the owner or operator of the existing *stationary source* commits to switch to a cleaner fuel at some future date, emission offset credit based on the *allowable emissions* for the field involved is not acceptable unless the permit is conditioned to require the use of specific alternative control measures that would achieve the same degree of emission reductions should the *stationary source* be switched back to a dirtier fuel at some later date. The applicant must provide information to the director that documents that adequate long-term supplies of the new fuel are available.

(F) Rocket engines or motors

The director shall allow the owner or operator of a *major stationary source* to offset by alternative or innovative means emission increases from rocket engine and motor firing, and cleaning related to such firing, at an existing or modified *major stationary source* that tests rocket engines or motors under the following conditions:

- (1) Any *major modification* proposed is solely for the purpose of expanding the testing of rocket engines or motors at an existing *stationary source* that is permitted to test such engines on November 15, 1990.
- (2) The applicant demonstrates to the satisfaction of the director that it has used all reasonable means to obtain and utilize offsets, as determined on an annual basis, for the emissions increases beyond allowable levels, that all available offsets are being used, and that sufficient offsets are not available to the *major stationary source*.

- (3) The applicant has obtained a written finding from the United States department of defense, United States department of transportation, national aeronautics and space Administration or other appropriate federal agency, that the testing of rocket motors or engines at the *major stationary source* is required for a program essential to the national security.
 - (4) The *major stationary source* will be in compliance with an alternative measure, imposed by the director, designed to offset any emission increases beyond permitted levels not directly offset by the *stationary source*.
- (G) Operating hours and *stationary source* shutdown.
- (1) The owner or operator of a *stationary source* may be credited with emissions reductions achieved by shutting down an existing *stationary source* or permanently curtailing production or operating hours below baseline levels if such reductions are permanent, quantifiable, and *federally enforceable*. In addition, the shutdown or curtailment is creditable only if it occurred on or after the date specified for this purpose in the *Ohio state implementation plan*, and if such date is on or after the date of the most recent emissions inventory used in the *Ohio state implementation plan's* demonstration of attainment. Where the *Ohio state implementation plan* does not specify a cutoff date for shutdown credits, the date of the most recent emissions inventory or attainment demonstration, as the case may be, shall apply. However, in no event may credit be given for shutdowns which occurred prior to August 7, 1977. For purposes of this paragraph, the director may choose to consider a prior shutdown or curtailment to have occurred after the date of its most recent emissions inventory, if the inventory explicitly includes as current "existing" emissions the emissions from such previously shutdown or curtailed *stationary sources*.
 - (2) Emissions reductions may be credited in the absence of an approved attainment demonstration only if the shutdown or curtailment occurred on or after the date the *major stationary source* application is filed, or, if the applicant can establish that the proposed *major stationary source* is a replacement for the shutdown or

curtailed *stationary source* and the cutoff date provisions of paragraph (G) (1) of rule 3745-31-24 of the Administrative Code are observed.

(H) Credit for *volatile organic compound* substitution.

No emission offset credit may be allowed for replacing one *volatile organic compound* with another of lesser reactivity, except for those compounds listed in Table 1 of the U.S. EPA's "Recommended Policy on Control of *volatile organic compounds*" (42 FR 35314, July 8, 1977).

(I) Banking of emission offset credit

For owners or operators of *major stationary sources* obtaining permits by applying offsets after January 16, 1979, the director may allow offsets that exceed the requirements of reasonable progress toward attainment to be "banked" (i.e., saved to provide offsets for a *major stationary source* seeking a permit in the future) for use under this rule. Likewise, the director may allow the owner of an existing *stationary source* that reduces its own emissions to bank any resulting reductions beyond those required by the *Ohio state implementation plan* for use under this ruling, even if none of the offsets are applied immediately to a new *major stationary source* permit. The director may allow these banked offsets to be used under the preconstruction review program, as long as these banked emissions consistent with the *Ohio state implementation plan* control strategy. The director may not approve the construction of a *major stationary source* using banked offsets if the new *major stationary source* would interfere with the *Ohio state implementation plan* control strategy or if such use would violate any other condition set forth for use of offsets.

(J) Offset credit for meeting New Source Performance Standards or National Emissions Standards for Hazardous Air Pollutant Standards

Where a *stationary source* is subject to an emission limitation established in a new source Performance Standard or a National Emission Standard for Hazardous Air Pollutants, (i.e., requirements under Sections 111 and 112, respectively, of the Clean Air Act), and a different Ohio State implementation plan limitation, the more stringent limitation shall be used as a baseline for determining

credit for emission offsets. The difference in emissions between the *Ohio state implementation plan* and the New Source Performance Standards or National Emissions Standards for Hazardous Air Pollutant Standards, for such *stationary source* may not be used as offset credit.

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Certification: original signed by Donald R. Schregardus
Donald R. Schregardus, Director
Ohio Environmental Protection Agency

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Date

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