

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Air Quality Control Commission

REGULATION NUMBER 3

Stationary Source Permitting and Air Pollutant Emission Notice Requirements

5 CCR 1001-5

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

>>>>>>

PART D CONCERNING MAJOR STATIONARY SOURCE NEW SOURCE REVIEW AND PREVENTION OF SIGNIFICANT DETERIORATION

>>>>>>

II. Definitions

>>>>>>

II.A.22. Major Emissions Unit

II.A.22.a. Any emissions unit that emits or has the potential to emit one hundred tons per year or more of the PAL pollutant in an attainment area; or

II.A.22.b. Any emissions unit that emits or has the potential to emit the PAL pollutant in an amount that is equal to or greater than the major stationary source threshold (as defined in Section II.A.25. of this part) for the PAL pollutant for nonattainment areas. ~~For example, in accordance with the definition of a major stationary source (as defined in Section II.A.25. of this part), an emissions unit would be a major emissions unit for volatile organic compounds if the emissions unit is located in an ozone nonattainment area and emits or has the potential to emit one hundred or more tons of voc per year.~~

II.A.22.c. For a GHG PAL issued on a CO2e basis, any emissions unit that emits or has the potential to emit equal to or greater than the amount of GHGs on a CO2e basis that would be sufficient for a new source to trigger permitting requirements under paragraph Part A, Section I.B.44. at the time the PAL permit is being issued.

>>>>>>

II.A.25. Major Stationary Source

II.A.25.a. For the purpose of determining whether a source in an attainment or unclassifiable area is subject to the requirements of this Part D, major stationary source means:

II.A.25.a.(i) Any of the following stationary sources of air pollutants that emits, or has the potential to emit, one hundred tons per year or more of any regulated NSR pollutant:

II.A.25.a.(i)(A) Fossil fuel-fired steam electric plants of more than 250 million British thermal units per hour heat input

II.A.25.a.(i)(B) Coal cleaning plants (with thermal dryers)

II.A.25.a.(i)(C) Kraft pulp mills

II.A.25.a.(i)(D) Portland cement plants

II.A.25.a.(i)(E) Primary zinc smelters

II.A.25.a.(i)(F) Iron and steel mill plants

II.A.25.a.(i)(G) Primary aluminum ore reduction plants

II.A.25.a.(i)(H) Primary copper smelters

II.A.25.a.(i)(I) Municipal incinerators capable of charging more than 250 tons of refuse per day

II.A.25.a.(i)(J) Hydrofluoric, sulfuric, and nitric acid plants

II.A.25.a.(i)(K) Petroleum refineries

II.A.25.a.(i)(L) Lime plants

II.A.25.a.(i)(M) Phosphate rock processing plants

II.A.25.a.(i)(N) Coke oven batteries

II.A.25.a.(i)(O) Sulfur recovery plants

II.A.25.a.(i)(P) Carbon black plants (furnace process)

II.A.25.a.(i)(Q) Primary lead smelters

II.A.25.a.(i)(R) Fuel conversion plants

II.A.25.a.(i)(S) Sintering plants

II.A.25.a.(i)(T) Secondary metal production plants

II.A.25.a.(i)(U) Chemical process plants

II.A.25.a.(i)(V) Fossil fuel boilers (or combinations thereof) totaling more than 250 million British thermal units per hour heat input

II.A.25.a.(i)(W) Petroleum storage and transfer units with a total storage capacity exceeding 300,000 barrels

II.A.25.a.(i)(X) Taconite ore processing plants

II.A.25.a.(i)(Y) Glass fiber processing plants

II.A.25.a.(i)(Z) Charcoal production plants

II.A.25.a.(ii) Notwithstanding the stationary source size specified in Section II.A.25.a.(i), any stationary source that emits, or has the potential to emit, two hundred and fifty tons per year or more of any regulated NSR pollutant.

II.A.25.b. For the purpose of determining whether a source in a nonattainment area is subject to the requirements of Section V. of this part, and whether a source in an attainment area affecting a nonattainment area is subject to the requirements of Section VI.D. of this part, major stationary source means any stationary source of air pollutants that emits, or has the potential to emit 100 tons per year or more of any regulated NSR pollutant for which the area is nonattainment, except where the lower emissions in Sections II.A.25.b.(i)-(vi) apply. Additionally, a source causing or contributing to a violation of a national ambient air quality standard for any pollutant regulated under Section 110 of the Federal Act shall be considered a major stationary source when it has the potential to emit one hundred tons per year or more of that pollutant. The source will be considered to cause or contribute to a violation where the source exceeds the significance levels in the table under Section VI.D.2. of this Part D. Such source is subject to the requirements of Section VI. of this Part D.

II.A.25.b.(i) Fifty tons per year or more of volatile organic compounds or nitrogen oxides in any serious ozone nonattainment area.

II.A.25.b.(ii) Fifty tons per year or more of volatile organic compounds in any ozone transport region, except for any severe or extreme ozone nonattainment area.

II.A.25.b.(iii) Twenty five tons per year or more of volatile organic compounds or nitrogen oxides in any severe ozone nonattainment area.

II.A.25.b.(iv) Ten tons per year or more of volatile organic compounds or nitrogen oxides in any extreme ozone nonattainment area.

II.A.25.b.(v) Fifty tons per year or more of carbon monoxide in any serious carbon monoxide nonattainment area, and which contributes significantly to carbon monoxide levels.

II.A.25.b.(vi) Seventy tons per year or more of PM10 in any serious PM10 nonattainment area.

II.A.25.c. Major stationary source includes any physical change that would occur at a stationary source not otherwise qualifying as a major stationary source under Sections II.A.25.a and II.A.25.b. of this part, if the change would constitute a major stationary source by itself.

II.A.25.d. A major stationary source that is major for volatile organic compounds or NO_x shall be considered major for ozone, except that emissions of negligibly reactive volatile organic compounds, as defined in the Common Provisions, shall not be included in the determination of major stationary source status for ozone.

II.A.25.e. The fugitive emissions of a stationary source shall not be included in determining for any of the purposes of this section whether it is a major stationary source, unless the source belongs to one of the categories of stationary sources listed in Section II.A.25.a.(i) or any other stationary source category which, as of August 7, 1980, is regulated under Section 111 or 112 of the Federal Act.

II.A.25.f. Emissions caused by indirect air pollution sources (as defined in Section I.B.24. of Part A of this regulation), emissions from internal combustion engines on any vehicle, and emissions resulting from temporary activities, such as construction or exploration, shall be excluded in determining whether a source is a major stationary source. Emissions from ongoing construction are not considered to be temporary emissions and are included in determining whether a major modification will occur.

II.A.25.g. A major stationary source in the Denver Metro PM10 attainment/maintenance area that is major for sulfur dioxide or nitrogen oxides shall be considered major for PM10.

>>>>>>

II.A.44. Significant

II.A.44.a. Unless the context otherwise requires, a significant rate of emissions in tons per year is defined as a value that would equal or exceed any of the following:

Carbon monoxide: 100 tons per year

Nitrogen Oxides: 40 (nitric oxide + nitrogen dioxide) tons per year

Sulfur dioxide: 40 tons per year

Particulate matter: 25 tons per year particulate matter emissions or, 15 tons per year of PM10 emissions

PM10 - Precursors in the Denver Metropolitan PM10 attainment/maintenance area: 40 tons per year for each individual precursor (nitrogen oxides or sulfur oxides)

PM2.5: 10 tons per year of direct PM2.5 emissions; 40 tons per year of sulfur dioxide emissions; or 40 tons per year of nitrogen dioxide emissions

Ozone: 40 tons per year of volatile organic compounds or nitrogen oxides

Lead: 0.6 tons per year

Fluorides: 3 tons per year

Sulfuric acid mist: 7 tons per year

Hydrogen sulfide: 10 tons per year

Total reduced sulfur (including hydrogen sulfide): 10 tons per year

Reduced sulfur compounds (including hydrogen sulfide): 10 tons per year

Municipal Waste Combustor Organics (measured as total tetra- through octa-chlorinated dibenzo-p-dioxins and dibenzofurans): 3.2×10^{-6} megagrams per year (3.5×10^{-6} tons per year)

Municipal Waste Combustor Metals (measured as particulate matter): 14 megagrams per year (15 tons per year)

Municipal Waste Combustor Acid Gases (measured as sulfur dioxide and hydrogen chloride): 36 megagrams per year (40 tons per year)

Municipal Solid Waste Landfill Gases (measured as non-methane organic compounds): 45 megagrams per year (50 tons per year)

[In a serious or severe ozone nonattainment area: 25 tons per year of volatile organic compounds or nitrogen oxides](#)

[In an extreme ozone nonattainment area: any increase of volatile organic compounds or nitrogen oxides](#)

II.A.44.b. Significant means, in reference to a net emissions increase or the potential of a source to emit a regulated NSR pollutant that this definition does not list, any emissions rate, except that this definition shall not apply to hazardous air pollutants listed in or pursuant to Section 112 of the Federal Act.

II.A.44.c. Notwithstanding the significant emission rates above, significant means any emissions rate or any net emissions increase associated with a major stationary source or major modification, that would construct within ten kilometers of a Class I area, and have an impact on such area equal to or greater than one microgram/cubic meter ($(\mu\text{g}/\text{m}^3)$) (twenty-four hour average).