GUIDELINES

TO: New Source Review Sections
FROM: Joe Thomas, Permitting Branch Manager
DATE: March 26, 2021
SUBJECT: Source Type Determination Flowcharts

Purpose
Flowcharts 1 & 2 are intended to aid new source review (NSR) engineers, sources, and the public in determining if a source is considered a major source, minor source, or small source.

Analysis
As part of the permitting process it is necessary to ascertain if a source is a major source, minor source, or small source in order to determine any applicable rules or requirements.

Implementation
Applying source specific parameters to Flowcharts 1 & 2 provides a method to NSR engineers, sources, and the public in determining if a source is a major source, minor source, or small source. Flowchart 1 applies to sources that are located inside the PM$_{2.5}$ serious non-attainment area, and Flowchart 2 applies to sources that are located outside the PM$_{2.5}$ Serious non-attainment area.

Authority

This Guideline shall be audited every five years by the NSR Minor Section Manager to determine the current status and relevance of the information.
Flowchart 1
Sources Inside PM$_{2.5}$ Serious Non-attainment Area

(PTE = Potential To Emit)

START

Are PTE less than 5 tons for each criteria pollutant, 500 pounds for any single HAP, and 2000 pounds for all HAPs combined?

YES

Source is a Small Source (AO is not required. Source may register for a Small Source Exemption (SSE), but registration is not required).

NO

Are PTE including fugitives less than 100 tons for CO or PM$_{10}$?

YES

Must analyze both scenarios

NO

Are PTE including fugitives less than 70 tons for PM$_{2.5}$ or any of its precursor pollutants?

YES

Is the source a listed source.

YES

Are non-fugitive PTE less than 70 tons for PM$_{2.5}$ or any of its precursor pollutants?

YES

Are PTE including fugitives, less than 10 tons for any single HAP, or 25 tons for all HAPs combined?

YES

Source is a Minor Source - AO is required.

NO

NO

NO

NO

NO

NO

YES

Are non-fugitive PTE less than 100 tons for CO or PM$_{10}$?

YES

Are PTE including fugitives, less than 10 tons for any single HAP, or 25 tons for all HAPs combined?

YES

Source is a Title V Major Source, PSD may apply; contact a DAQ NSR Engineer for details.

NO

Source is a Minor Source - AO is required.

END
Flowchart 2
Sources Outside PM$_{2.5}$ Serious Non-attainment Area

(PTE = Potential To Emit)

START

Are PTE less than 5 tons for each criteria pollutant, 500 pounds for any single HAP, and 2000 pounds for all HAPs combined?

YES

Source is a Small Source (AO is not required. Source may register for a Small Source Exemption (SSE), but registration is not required).

NO

Are PTE including fugitives, less than 100 tons for each criteria pollutant?

YES

Are PTE including fugitives, less than 10 tons for any single HAP, or 25 tons for all HAPs combined?

YES

Source is a Minor Source - AO is required.

NO

NO

Are non-fugitive PTE less than 100 tons for each criteria pollutant?

YES

Source is a Title V Major Source, PSD may apply; contact a DAQ NSR Engineer for details.

NO

Is the source a listed source.

YES

NO

END