

INTER-OFFICE COMMUNICATION

TO: SSP Staff
FROM: ^{MB} Matt Burgett & Adam Wozniak ^{AW}
DATE: January 14, 2014
RE: APEN Update Clarification

This memo is intended to clarify when an APEN needs to be updated due to a change in actual criteria pollutant emissions compared to a prior APEN.

Regulation No. 3, Part A, Section II.C.2.b details the criteria pollutant emission increases that require an APEN update. A summary of the requirements and an explanation of how the Division understands these requirements follow.

Sources emitting < 100 tpy:

A change in annual actual emissions of > 5 tpy above the level reported on the previous APEN for the criteria pollutant.

VOC & NOx sources in ozone NAA emitting < 100 tpy of VOC and NOx:

A change in annual actual emissions of > 1 tpy or 5%, whichever is greater, above the level reported on the previous APEN for VOC or NOx emissions.

Sources emitting > 100 tpy:

A change in annual actual emissions of > 50 tpy or 5%, whichever is less, above the level reported on the previous APEN for the criteria pollutant.

Sources emitting lead:

A change in annual actual emissions of > 50 lb of lead above the level reported on the previous APEN.

Discussion:

“Source”, as used in this piece of the Regulation, means one emission unit, or multiple emission units grouped on one APEN as allowed by the grouping provisions of Reg. 3. Therefore, the 100 tpy thresholds are not based on facility-wide emissions. This is supported in the June 22, 1993 Reg. 3 statement of basis which states:

The Colorado Clean Air Act states that APENs are valid for five years, unless a significant change in emissions occurs. This provision is added to the regulation.

Language is added to clarify that each unit is considered to be a "source" for APEN purposes, unless similar sources can be grouped together.

The 100 tpy threshold is based on actual emissions, not PTE or the permit limit.

The 100 tpy threshold should be considered on a pollutant-by-pollutant basis. For example, an APEN that reports 150 tpy of CO and 10 tpy of PM₁₀ would need to update CO emissions using the "> 100 tpy" element (i.e. a change of 7.5 tpy = (0.05)x(150)), and update PM₁₀ emissions using the "< 100 tpy" element (i.e. a change of 5 tpy).

Please note: This guidance assumes any reported emissions increase is allowed through an issued permit. A revised APEN is always required any time a permit emission limit will be exceeded, regardless of the amount of the increase. A revised APEN is needed in this case in order to request a permit modification that is necessary to increase the relevant emission limit prior to making the emission increase.