COSMOS
Navigate the Compliance Universe

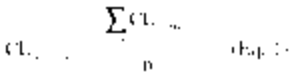
40 C.F.R. § 63.8234

What equations and procedures must I use for the initial compliance demonstration?

(a) *By-product hydrogen streams and end box ventilation system vents.* You must determine the total grams of mercury per Megagram of chlorine production (g Hg/Mg Cl_2) of chlorine produced from all by-product hydrogen streams and all end box ventilation system vents, if applicable, at a mercury cell chlor-alkali production facility, and you must follow the procedures in paragraphs (a)(1) through (6) of this section.

(1) Determine the mercury emission rate for each test run in grams per day for each by-product hydrogen stream and for each end box ventilation system vent, if applicable, from Method 101, 101A, or 102 (40 CFR part 61, appendix A).

(2) Calculate the average measured electric current through the operating mercury cells during each test run for each by-product hydrogen stream and for each end box ventilation system vent, if applicable, using Equation 1 of this section as follows:



Where:

$CL_{avg, run}$ = Average measured cell line current load during the test run, amperes; $CL_{i, run}$ = Individual cell line current load measurement (*i.e.,* 15 minute reading) during the test run, amperes; and n = Number of cell line current load measurements taken over the duration of the test run.

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