

Rombough, Kyrik

From: David Keen [keen@rtpenv.com]
Sent: Thursday, July 12, 2007 8:28 AM
To: Rombough, Kyrik
Cc: David Keen
Subject: RE: Hyperion Language

Kyrik,

Thanks very much for the quick turn around. I have a couple of questions pertaining to the inventory that we need to resolve. Primarily, the inventory does not list the potential emissions for the major sources. The actual emissions are listed and I can use these rates for the increment analysis. However, I will also need an estimate of potential emissions to complete the NAAQS evaluation.

Secondly, we had discussed modeling the minor sources as volume sources using 99 tpy as both the allowable and actual emission rate for the NAAQS and increment evaluations. Do you have a standard initial sigma y and z value and release height that you would like to see us use for these sources?

Thanks for your help,
Dave

-----Original Message-----

From: Kyrik.Rombough@state.sd.us [mailto:Kyrik.Rombough@state.sd.us]
Sent: Wednesday, July 11, 2007 2:21 PM
To: keen@rtpenv.com
Cc: Brian.Gustafson@state.sd.us; JimA.Anderson@state.sd.us; Brad.Schultz@state.sd.us
Subject: FW: Hyperion Language

Mr. Keen:

You asked for an emission inventory for the proposed Oil Refinery project. I have enclosed two documents for your information. The first document is a jpeg file outlining a map. The second document is an excel file outlining the emission inventory information.

The map indicates the proposed projects location (light red), the estimated 10 kilometer significant impact area of the project (light blue), the 50 kilometer review area around the significant impact area (light yellow), and the location of the permitted sources in the counties encompassed in the review area. As can be seen some of the permitted facilities are outside of the review area (light yellow) and most of them, if not all, are outside of the significant impact area (light blue).

The excel spreadsheet contains three worksheets. The first worksheet covers the basic information of the facility. The second worksheet contains the emission inventory. I included the actual emission for the Title V permits covering the 2006 operations. As discussed by phone, we do not track actual emissions of minor sources. Therefore, I listed the potential emissions for these sources. The third spreadsheet is the stack parameter information for the Title V sources.

Most of these permitted facilities have an impact area less than 1 mile from its property boundary. Therefore, these permitted facilities will not impact your project and would not need to be included in the modeling analysis. There are a few sources on the edge of the proposed projects significant impact area that may need to be included.

If you have any questions, please feel free to contact me either by email at Kyrik.Rombough@state.sd.us or by phone at 605-773-5708.

Kyrik

Kyrik Rombough