

Prevention of Significant Deterioration (PSD), Emissions Modeling Package

March 31, 2016

File Contents

County_BaselineDates.xlsx - Minor source baseline dates for each county.

PSD_2014.xlsx - Most recent year of emissions inventory data

Model_PSD_baseline.xlsx - Emissions modeling parameters for minor source baseline dates

Notes

The emissions modeling datasets contain criteria pollutant emissions estimates for Washington point sources for the most recent year of inventory data available and for minor source baseline years. All emissions estimates are actual emissions. Allowable emissions for all sources are not available at this time, but may be available for individual sources. Please contact the local authority for availability (see links below).

Further work may need to be done on individual emission points in these datasets. An emission point can consist of several or many stacks/vents. When this is the case, the height and diameter are usually given for the average stack; but the flow rate is the total for all the stacks. A typical example of this is an aluminum smelter potline.

Operating schedules should be examined to identify short term-sources.

In *Model_PSD_Baseline.xls*, the metric values were calculated from their English equivalents. Exit velocities were calculated from the flow rate and stack diameter. If either the stack diameter or flow rate is missing or incorrect, the exit velocity will also be incorrect. The emission rates in g/sec were calculated using tons/yr and hours/yr, so if any of hrs/day, days/wk or wk/yrs are missing or incorrect, the g/sec rates are also incorrect. Please note that the units for flow rate may be actual cubic ft per minute or actual cubic feet per second.

PSD_2014.xlsx has the most recent emissions estimates.

If you need more detailed information, or information on smaller sources, please contact the appropriate local authority for the area you require (<http://www.ecy.wa.gov/programs/air/local.html>). Regardless of county, all primary aluminum mills and kraft/sulfite pulp and paper mills are under the jurisdiction of Ecology's Industrial Section <http://www.ecy.wa.gov/programs/swfa/industrial/>. The Hanford nuclear reservation is under the jurisdiction of Ecology's Nuclear Waste Program <http://www.ecy.wa.gov/programs/nwp/index.html>.

Questions?

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