Emissions Calculation Spreadsheet

The latest version of the spreadsheet is available to download here:

Oil and Gas Emissions Spreadsheet (xlsm) - Version dated October 2014

The oil and gas team has assembled an emission calculation spreadsheet for use in estimating emissions from sites involved in the production of oil and gas. The purpose of this tool is to determine compliance with permit by rule (PBR) or standard permit emission limits. The intent is that an oil and gas production site owner/operator can determine emissions from data available at their site with as little outsourced help as possible. The spreadsheet also includes an impacts analysis tool, specifically to aid in demonstrating compliance with the emission impact tables in the new Barnett Shale area PBR requirements and standard permit. After emissions are estimated, the impact of the emissions can be assessed using the spreadsheet, provided the Barnett Shale area emission impact tables are the appropriate impact review method. Separate from the spreadsheet, modeling can be done to show compliance with applicable emission limits or calculations can be done to show compliance with the PBR 106.261/262 emission limits (as required for non-Barnett Shale area standard permit).

Revised: The team has also incorporated the "Facility Information" tab to represent the latest Planned Maintenance, Startup, and Shutdown (MSS) at Oil and Gas Handling and Production Facilities memo revised in August, 2014.

Some of the main features of this spreadsheet are:

- The spreadsheet is customized for the user, meaning (1) only the calculation sheets needed for the site are included based on what you select and (2) only the information related to the applicable requirements are included based on whether you select the non-Barnett Shale area rule requirements or the Barnett Shale area rule requirements, whichever is applicable.
- The emission summary table pulls in all the emission point values from the individual emission calculation tabs.
- The impacts review for the Barnett Shale area rule requirements using the modeling tables from the rules is built into this spreadsheet.
- Instructions and explanations are included throughout both as text and comments in order to guide the user and make the spreadsheet as easy as possible to use.

Lists of changes made between posted versions of the spreadsheet are available here:

Oil and Gas Emissions Spreadsheet Changes Made From January 2014 to October 2014.

Oil and Gas Emissions Spreadsheet Changes Made From November 2013 to January 2014

Oil and Gas Emissions Spreadsheet Changes Made From May 2013 to November 2013

Oil and Gas Emissions Spreadsheet Changes Made From April 2012 to May 2013

Oil and Gas Emissions Spreadsheet Changes Made From January 2012 to April 2012

Oil and Gas Emissions Spreadsheet Changes Made From May 2011 to January 2012

Previous versions of the spreadsheet are available to download here:

Oil and Gas Emissions Spreadsheet (xlsm) - Version dated January 2014

Oil and Gas Emissions Spreadsheet (xlsm) - Version dated November 2013

Oil and Gas Emissions Spreadsheet (xlsm) - Version dated May 2013

Oil and Gas Emissions Spreadsheet (xlsm) - Version dated April 2012

Oil and Gas Emissions Spreadsheet (xlsm) - Version dated January 2012

It should be noted that (1) the spreadsheet will only work with Excel 2007 or higher version; (2) in order for the spreadsheet to function properly, macros must be enabled (see instructions on the first tab of the spreadsheet); and (3) the spreadsheet will not work on Excel for Mac (the spreadsheet will not run properly).

It is suggested that for each different site, you start out with either a newly downloaded copy or a copy you have saved and never made any edits to. Then, for each site, open that one and save it with a new name. This should ensure each use is a brand new start. It is possible for some of the formulas to be overwritten by the user, so if you start fresh, it will ensure that the original formulas are present and everything is reset.

This spreadsheet is a default tool for oil and gas site registrations. Because it is set up to estimate emissions with pre-approved calculation methods, use of the spreadsheet will minimize the likelihood of questions, deficiencies, and audits for registrations. Please check this website periodically for updated versions as it will constantly be refined based on user feedback.