**3-State Air Quality Study: Emissions Data Request Details**

Well-site Data

In general, the well-site data being requested should include any and all well-site emissions related to oil and gas exploration and production operations in each state for the calendar year 2014. These sources include wellsite sources associated with well drilling, completion/hydraulic fracturing, and production phase operations. Similar to previous oil and gas inventory efforts, we are not requesting emissions data for on-road vehicles or for well-site construction and maintenance equipment.

Ramboll Environ would like to request this data in the format of a Microsoft Access database if possible or convenient.  If it is more expeditious to provide the data as an ASCII file with a comma-separated variable (CSV) format, this would be acceptable or if the data is in Microsoft Excel format that would also be acceptable.  The provided data should include, at a minimum by source classification code (SCC) and county emissions for each criteria pollutant.

Midstream Data

In general, the midstream data being requested should include any and all point sources and facility sources related to midstream oil and gas operations in each state for which data are gathered and tracked through permits and an annual inventory update for the calendar year 2014.  These sources include some or all of the following types of sources:

* Natural gas processing plants (all source categories associated with these facilities)
* Large compressor stations (all source categories associated with these facilities)
* Lateral/wellhead compressor engines (where installed at a site such that the total horsepower at the site exceeds 500hp)
* Oil tank batteries
* Gas well condensate tank batteries
* Field dehydrators (not already captured in other sources above)
* Field amine units (not already captured in other sources above)
* Landfarms
* Water treatment/water injection facilities associated with the oil and gas sector

This list is not intended as a complete list of all oil and gas midstream sources.  If there are other midstream oil and gas sources that your agency is aware of, these should be included in the emissions request.

Ramboll Environ has identified the following North American Industry Classification System (NAICS) codes to segregate oil and gas sources from other source types.  Again, this list may not be a complete list of NAICS codes for these sources, and if you are aware of other NAICS codes corresponding to these midstream oil and gas sources, these should be included.  Alternatively if you recommend other database search mechanisms (such as by company names) those should be used.  The NAICS codes for midstream oil and gas sources are:

| **Description** | **NAICS** |
| --- | --- |
| Oil and Gas Extraction | 2111 |
| Pipeline Transportation of Natural Gas | 4862 |
| Oil and Gas Extraction | 21111 |
| Pipeline Transportation of Crude Oil | 48611 |
| Pipeline Transportation of Natural Gas | 48621 |
| Crude Petroleum and Natural Gas Extraction | 211111 |
| Natural Gas Liquid Extraction | 211112 |
| Drilling Oil and Gas Wells | 213111 |
| Support Activities for Oil and Gas Operations | 213112 |
| Pipeline Transportation of Crude Oil | 486110 |
| Pipeline Transportation of Natural Gas | 486210 |

Ramboll Environ would like to request this data in the format of a Microsoft Access database if possible or convenient.  If it is more expeditious to provide the data as an ASCII file with a comma-separated variable (CSV) format, this would be acceptable or if the data is in Microsoft Excel format that would also be acceptable.  For each permitted source included in the database, it is requested that all fields for that source be included.  This should include at a minimum:

* Source ID
* Source SCC/SIC
* Source description
* Owner/operator
* Point/facility name
* Location (county designation and latitude/longitude preferably)
* Throughput or other activity data (if applicable)
* Emission factor (if available)
* Status (active/inactive)
* Potential to emit for each point source/process (PTE) for all pollutants available
* Actual emissions for each point source/process (if available) for all pollutants available

Additionally, if information related to the following fields is available, please provide this information as well:

* Stack Parameters
* Control type (if applicable)
* Control efficiency (if applicable)
* Number of engines (if applicable)
* Engine horsepower (if applicable)
* Engine type (rich/lean burn, if applicable)