**PLEASE DO NOT SEND A COPY OF THE INSTRUCTIONS IN WITH YOUR APPLICATION**

The information in this form will provide emissions data from all equipment, processes, and emission points throughout the facility and will provide a summary of facility wide total emissions.

Additional tables or rows may be added to this form as needed by selecting the **“unprotect document”** or **“stop protection”** function. The location and use of this function varies depending on your version of Word. The forms **“protect document”** tool should then be reselected so that you may resume navigating through the forms with the “tab” key.

**Emission Data for Regulated Pollutants**

*Equipment ID / Process ID:* The equipment identification (tag number) for each source. Each piece of equipment should have its own unique ID (alpha-numeric). This is an ID designated by the facility, such as Boiler #1 or Tank #1. This ID number should be carried throughout the application whenever Equipment ID is requested. If several processes will be included in a single emission unit, an ID for that process should be added to the equipment ID. An example of this is three lines, each with two saws. The equipment ID for each of the two saws could be: SAW1, SAW2. The process ID for each line could be: L1, L2, and L3. The equipment/process ID could then be L1SAW1, L1SAW2, L2SAW1, L2SAW2, L3SAW1, and L3SAW2.

*Emission Point ID(s):* Each point where a pollutant may exhaust at the equipment/process shall be identified with a unique number or label. Please use the same emission point ID that is used in your current air dispersion modeling scenario, if applicable. This ID number should be carried throughout the application whenever an emission point ID is requested.

*Type of Pollutant:* State whether the pollutant is a criteria pollutant, HAP, TAP, or 112(r) pollutant. Contact your permit writer for questions regarding type of pollutant.

*Pollutant Name:* List all pollutants emitted from each Emission Point ID. All Hazardous Air Pollutants (HAP), Toxic Air Pollutants (TAP), or 112(r) pollutants emitted need to be listed. In addition to listing each individual Volatile Organic Compound (VOC), "Total VOC" should be listed as a separate line item in this table. Be sure to include particulate matter with an aerodynamic diameter of less than or equal to 2.5 micrometers (PM2.5).

*CAS Number:* If applicable, include the Chemical Abstract Service Number (CAS #) for all of the Toxic Air Pollutants and/or Hazardous Air Pollutants.

*Maximum Uncontrolled (lb/hr and TPY):* Uncontrolled emissions need to be given in units of lb/hr and tons/year and calculated at maximum design capacity without any type of controls while operating 8760 hours per year.

*Maximum Controlled/Potential to Emit (PTE) (lb/hr and TPY):* Controlled emissions need to be given in units of lb/hr and tons/year and calculated operating 8760 hours per year at maximum design capacity with control equipment operating. Keep in mind any limits the facility has taken, such as hours of operation, etc. and if there are any limits imposed by equipment that may not allow for operation at maximum design capacity.

*Calculation Methods / Limits Taken / Other Comments:* State the method or cite the reference used to calculate emissions (i.e. AP-42, Chapter 11.19.2, Table 11.19.2-2, Engineering Calculations, Material Balance, quantity of raw materials etc.). If Engineering Estimate is used as the calculation method, supporting documentation will need to be included. State any limits the facility has taken, such as hours of operation, etc. and if there are any limits imposed by equipment that may not allow for operation at maximum design capacity.

**Facility Wide Total Emissions**

***NOTE:*** Be sure to include any insignificant activity emissions from Form 2944 – Insignificant Activity Equipment.

*Pollutants:* List all pollutants emitted from all emission units, equipment, and process throughout the facility. All Hazardous Air Pollutants (HAP), Toxic Air Pollutants (TAP), or 112(r) pollutants emitted need to be listed. In addition to listing each individual Volatile Organic Compound (VOC), "Total VOC" should be listed as a separate line item in this table. Be sure to include particulate matter with an aerodynamic diameter of less than or equal to 2.5 micrometers (PM2.5).

*Total Uncontrolled Emissions (TPY):*  The total potential uncontrolled emissions for each pollutant from the facility in tons/year and calculated at maximum design capacity without any type of controls while operating 8760 hours per year. The total should include any potential uncontrolled insignificant activity emissions for each pollutant as well.

*Total Controlled/PTE (TPY):* The total potential controlled emissions for each pollutant from the facility in tons/year and calculated operating 8760 hours per year at maximum design capacity with control equipment operating. Keep in mind any limits the facility has taken, such as hours of operation, etc. and if there are any limits imposed by equipment that may not allow for operation at maximum design capacity. The total should include any potential controlled insignificant activity emissions for each pollutant as well.

| **APPLICATION IDENTIFICATION**  *(Please ensure that the information list in this table is the same on all of the forms and required information submitted in the Title V application package.)* | | | |
| --- | --- | --- | --- |
| Facility Name  *(This should be the name used to identify the facility)* | SC Air Permit Number (8-digits only)  *(Leave blank if one has never been assigned)*       - | Application Date | |

| **EMISSION DATA FOR REGULATED POLLUTANTS** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Equipment ID / Process ID | Emission Point ID | Type of Pollutant | Pollutant Name | CAS # | Maximum Uncontrolled | | Maximum Controlled | | Maximum PTE | | Calculation Methods / Limits Taken / Other Comments |
| lbs/hr | tons/yr | lbs/hr | tons/yr | lbs/hr | tons/yr |
|  |  |  |  |  |  |  |  |  |  |  |  |

| **SUMMARY OF FACILITY WIDE TOTAL EMISSIONS** | | | |
| --- | --- | --- | --- |
| Pollutants | Total Uncontrolled Emissions  (tons/year) | Total Controlled Emissions  (tons/year) | Total PTE Emissions  (tons/year) |
| Particulate Matter (PM) |  |  |  |
| Particulate Matter <10 Microns (PM10) |  |  |  |
| Particulate Matter <2.5 Microns (PM2.5) |  |  |  |
| Sulfur Dioxide (SO2) |  |  |  |
| Nitrogen Oxides (NOx) |  |  |  |
| Carbon Monoxide (CO) |  |  |  |
| Total Volatile Organic Compounds (VOC) |  |  |  |
| Lead (Pb) |  |  |  |
| Highest HAP (CAS #:      ) |  |  |  |
| Other HAP (CAS #:      ) |  |  |  |
| Other HAP (CAS #:      ) |  |  |  |
| Other HAP (CAS #:      ) |  |  |  |
| Other HAP (CAS #:      ) |  |  |  |
| Other HAP (CAS #:      ) |  |  |  |
| Total HAP Emissions\* |  |  |  |
| 112(r) Pollutant (     ) |  |  |  |
| 112(r) Pollutant (     ) |  |  |  |
| 112(r) Pollutant (     ) |  |  |  |
| 112(r) Pollutant (     ) |  |  |  |
| 112(r) Pollutant (     ) |  |  |  |
| (\*All HAP emitted from the various equipment or processes must be listed in "Emission Data for Regulated Pollutants" table.) | | | |