|  |  |
| --- | --- |
| **1. Business information:** | **Air Quality Use Only** |
| Business license name of corporation, company, individual owner, or governmental agency under which the application is submitted |
| **Source Number** |  |
| Type of organization: | [ ]  Corporation [ ]  Individual [ ]  Partnership [ ]  Government Agency  | Telephone | Fax |
| **2. Mailing address:** |
| Street | City, State, Zip |
| **3. Address at which the source will be operated:** |
| Street | City, State, Zip |
| **4. Operation description:** |
| Brief description of the operation at this address | NAICS Code |
| **5. Technical/source contact information:** |
| Print name of the technical/source contact |
| Telephone | Fax | Email |
| Mailing Street | Mailing city, state, zip |
| **6. Type of permit action requested:** (check and complete applicable items) |
| [ ]  Operating permit renewal |
| [ ]  Permit(s) transfer due to ownership change\*The new owner or operator hereby:* certifies no changes have been made to the stationary source that meet the definition of modification as defined in Knox County Air Quality Management Regulations (KCAQMR); and
* agrees to abide by the terms of the permit(s), Knox County Air Quality Management Regulations (KCAQMR), and any documented agreements made by the previous owner to the Director.
 |
| [ ]  Permit modification requested for Permit No.: |
| [ ]  Operating permit requested |
| Associated Construction Permit No.: |  | Initial Start-up Date: |  |
| [ ]  Construction permit requested (attach appropriate APC forms for sources being constructed)\*\* |  |
| Estimated starting date of construction: |  | Estimated completion date of construction: |  |
| \* Notifications of ownership change must be submitted at least thirty (30) days after the change. (KCAQMR Section 25.4-C)\*\* Construction applications must be submitted at least ninety (90) days prior to the estimated construction starting date. (KCAQMR Section 25.1-H) |
| **7. Sensitive receptors located less than the indicated distances:** (attach additional sheets if necessary) |
| Receptor type | Distance (ft) | Name/address of receptor |
| School/Daycare<250 ft |  |  |
| Nursing Home/Hospital <100ft |  |  |
| Residence <75ft |  |  |
| Business <50ft |  |  |
| **8. Comments** |
|  |
| **9. Based upon information and belief formed after a reasonable inquiry, I certify that the information contained in this application is accurate and true to the best of my knowledge.** |
| Print name of the responsible official | Title |
| Signature of responsible official | Date of application |

**Table of Emission Estimate Method Code**

|  |  |
| --- | --- |
| Not applicable/Emissions known to be zero | 0 |
| Emissions based on source testing | 1 |
| Emissions based on material balance using engineering expertise and knowledge of process | 2 |
| Emissions calculated using emission factors from EPA publications No. AP-42 Compilation of Air Pollution Emissions Factors | 3 |
| Judgment | 4 |
| Emission calculated using a special emission factor different from AP-42 | 5 |
| Other (specify in comments) | 6 |

**Table of Pollution Reduction Device or Method Code**

|  |  |  |  |
| --- | --- | --- | --- |
| No Equipment | 000 | Limestone Injection – Dry | 041 |
| Activated Carbon Adsorption | 048 | Limestone Injection – Wet | 042 |
| Afterburner – Direct Flame | 021 | Liquid Filtration System | 049 |
| Afterburner – Direct Flame with Heat Exchanger | 022 | Mist Eliminator – High Velocity | 014 |
| Afterburner – Catalytic | 019 | Mist Eliminator – Low Velocity | 015 |
| Afterburner – Catalytic with Heat Exchanger | 020 | Process Change | 046 |
| Alkalized Alumina | 040 | Process Enclosed | 054 |
| Catalytic Oxidation – Flue Gas Desulfurization | 039 | Process Gas Recovery | 060 |
| Cyclone – High Efficiency | 007 | Settling Chamber – High Efficiency | 004 |
| Cyclone – Medium Efficiency | 008 | Settling Chamber – Medium Efficiency | 005 |
| Cyclone – Low Efficiency | 009 | Settling Chamber – Low Efficiency | 006 |
| Dust Suppression by Chemical Stabilizers or Wetting Agents | 062 | Spray Tower (Gaseous Control Only) | 052 |
| Electrostatic Precipitator – High Efficiency | 010 | Sulfuric Acid Plant – Contact Process | 043 |
| Electrostatic Precipitator – Medium Efficiency | 011 | Sulfuric Acid Plant – Double Contact Process | 044 |
| Electrostatic Precipitator – Low Efficiency | 012 | Sulfur Plant | 045 |
| Fabric Filter – High Temperature | 016 | Vapor Recovery System (Including Condensers, Hooding and Other Enclosures) | 047 |
| Fabric Filter – Medium Temperature | 017 |
| Fabric Filter – Low Temperature | 018 | Venturi Scrubber (Gaseous Control Only) | 053 |
| Fabric Filter – Metal Screens (Cotton Gins) | 059 | Wet Scrubber – High Efficiency | 001 |
| Flaring | 023 | Wet Scrubber – Medium Efficiency | 002 |
| Gas Adsorption Column – Packed | 050 | Wet Scrubber – Low Efficiency | 003 |
| Gas Adsorption Column – Tray Type | 051 | Wet Suppression by Water Sprays | 061 |
| Gas Scrubber (General: Not Classified) | 013 |  |  |

**Note:** For cyclones, settling chambers, wet scrubbers, and electrostatic precipitators; the efficiency ranges correspond to the following percentages:

High: 95-99+% Medium: 80-95% Low: Less than 80%

If system has several pieces of connected equipment, indicate the sequence. For example: 008/010; 93%/99%

If none of the below codes fit, use 999 as a code for other and specify in the comments.