**Application for Determination of Insignificant Activities**

**Facility Name:** Click or tap here to enter text.

**Permit Class:** Choose an item.

**Existing Facility ID: A**Click or tap here to enter text.

**Existing Permit Number: AP**Click or tap here to enter text.

****

**Please Submit Application to:**

Nevada Division of Environmental Protection

Bureau of Air Pollution Control, Permitting Branch

901 South Stewart Street, Suite 4001

Carson City, Nevada 89701-5249

Phone (775) 687-9349

June 2020

(Ver. 1)

**IMPORTANT INFORMATION**

* This application can **only** be used for the **Determination of Insignificant Activities** under Nevada Administrative Code (NAC) 445B.288(4) for either a Class I or a Class II Air Quality Operating Permit. The emission unit may be approved as an insignificant activity if the emission unit is not otherwise subject to another specific applicable requirement, including, without limitation, any requirement or standard set forth in 40 C.F.R. Part 60, 61 or 63. To be approved as an insignificant activity, an emission unit must meet the following criteria:
  + - * 1. The operation of the emission unit, not considering controls or limits on production, type of materials processed, combusted or stored, or hours of operation, will not result in:

Emissions of a hazardous air pollutant that exceed 1 pound per hour or 1,000 pounds per year, as appropriate;

Emissions of regulated air pollutants that exceed 4,000 pounds per year;

Emissions of regulated air pollutants that exceed any other limitation on emissions pursuant to any other applicable requirement; or

Emissions of regulated air pollutants that adversely impact public health or safety, or exceed any ambient air quality standards; and

* + - * 1. The emissions from the emission unit are not relied on to avoid any other applicable requirements.

If there are multiple emission units, the Director may, after considering the impact of the combined emissions of multiple emission units, determine whether to approve one or more of the specific emission units as an insignificant activity.

* A printed copy of the application must be submitted (mailed or hand delivered).
* The application filing fee of $1,000 required by NAC 445B.288(4) must be submitted with the completed application. Checks must be made payable to the “Nevada State Treasurer, Environmental Protection” with “BAPC” noted in the memo line. Fees may also be submitted electronically at <https://epayments.ndep.nv.gov/>.
* An Application for Determination of Insignificant Activities must be signed by the Responsible Official, as defined in NAC 445B.156. The certification/signature page is the last page of the application and the original “wet” signature must be provided.
* All items in the application must be addressed. If an item does not apply “N/A” or similar notation must be entered in the appropriate blank. All other information must be provided.
* The Application packet contains:
  + General Company Information Form
  + Industrial Process Form
  + Combustion Equipment Form
  + Storage Silo Form
  + Liquid Storage Tanks Form
  + Insignificant Activities Form
  + Application Certification Document with Required Attachments

**INDUSTRIAL PROCESS APPLICATION FORM**

**CLASS I/II OPERATING PERMIT**

|  |  |  |
| --- | --- | --- |
| **Emission Unit Description:** |  | |
| **Identify Utilized Portion of NAC 445B.288(4):** | |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Description** | | | **Data** |
| **Equipment Description** | Source Classification Code (SCC) | e.g. *3-03-024-04 for Conveyors* |  |
| Manufacturer | |  |
| Date Manufactured | |  |
| Model Number | |  |
| Equipment Dimensions (LxWxH) | feet |  |
| Drop Length *if applicable* | feet |  |
| Drop Height *if applicable* | feet |  |
| The drop height is measured from the  top of the drop length  middle of the drop length  bottom of the drop length, in reference to the ground. *Choose one, if applicable* | | |
| Drop Horizontal Dimension 1 *if applicable* | feet |  |
| Drop Horizontal Dimension 2 *if applicable* | feet |  |
| Emissions Released Inside building? | yes/no |  |
| **Location of Emission Source** | UTM Northing (NAD 83, Zone 11) | m |  |
| UTM Easting (NAD 83, Zone 11) | m |  |
| **Operating Parameters** | Material Type Processed | |  |
| Batch Process *if applicable* | *unit* /batch |  |
| Start Time *if operating less than 24 hours/day* | hour:minute |  |
| End Time *if operating less than 24 hours/day* | hour:minute |  |
| **Stack Parameters** | Stack Height | feet |  |
| Stack Inside Diameter | feet |  |
| Stack Temperature | ºF |  |
| Stack Exit Velocity | feet/second |  |
| Actual Gas Volume Flow Rate | acfm |  |
| Dry Gas Volume Flow Rate  *If not included in detailed calculations.* | dscfm |  |
| Stack Release Type | | vertical  capped  horizontal |

**COMBUSTION EQUIPMENT APPLICATION FORM**

**CLASS I/II OPERATING PERMIT**

|  |  |  |
| --- | --- | --- |
| **Emission Unit Description:** |  | |
| **Identify Utilized Portion of NAC 445B.288(4):** | |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Description** | | | **Data** |
| **Equipment Description** | Source Classification Code (SCC) | e.g. *3-03-024-04 for Conveyors* |  |
| Manufacturer | |  |
| Date Manufactured | |  |
| Model and Serial Number | |  |
| Emissions Released Inside building? | yes/no |  |
| **Location of Emission Source** | UTM Northing (NAD 83, Zone 11) | m |  |
| UTM Easting (NAD 83, Zone 11) | m |  |
| **Operating Parameters /Fuel Usage** | Fuel Type | |  |
| Fuel Flow Meter Installed? | yes/no/NA |  |
| Sulfur Content | % |  |
| Heat Content | Btu/*unit* |  |
| **Stack Parameters** | Stack Height | feet |  |
| Stack Inside Diameter | feet |  |
| Stack Temperature | ºF |  |
| Stack Exit Velocity | feet/second |  |
| Actual Gas Volume Flow Rate | acfm |  |
| Dry Gas Volume Flow Rate  *If not included in detailed calculations.* | dscfm |  |
| Stack Release Type | | vertical  capped  horizontal |

**STORAGE SILO APPLICATION FORM**

**CLASS I/II OPERATING PERMIT**

|  |  |  |
| --- | --- | --- |
| **Emission Unit Description:** |  | |
| **Identify Utilized Portion of NAC 445B.288(4):** | |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Description** | | | **Data** | |
| **Silo Loading** | **Silo Unloading** |
| **Equipment Description** | Source Classification Code (SCC) | e.g. *3-03-024-04 for Conveyors* |  |  |
| Manufacturer | |  |  |
| Date Manufactured | |  |  |
| Model Number | |  |  |
| Equipment Dimensions (LxWxH) | feet |  |  |
| Drop Dimensions (LxWxH)  *if applicable* | feet |  |  |
| Emissions Released Inside building? | yes/no |  |  |
| **Location of Emission Source** | UTM Northing (NAD 83, Zone 11) | m |  |  |
| UTM Easting (NAD 83, Zone 11) | m |  |  |
| **Operating Parameters** | Material Type Processed | |  |  |
| Batch Process *if applicable* | *unit*/batch |  |  |
| **Stack Parameters** | Stack Height | feet |  |  |
| Stack Inside Diameter | feet |  |  |
| Stack Temperature | ºF |  |  |
| Stack Exit Velocity | feet/second |  |  |
| Actual Gas Volume Flow Rate | acfm |  |  |
| Dry Gas Volume Flow Rate  *If not included in detailed calculations.* | dscfm |  |  |
| Stack Release Type | Vertical/Capped/ Horizontal |  |  |

**LIQUID STORAGE TANK APPLICATION FORM**

**CLASS I/II OPERATING PERMIT**

|  |  |  |
| --- | --- | --- |
| **Emission Unit Description:** |  | |
| **Identify Utilized Portion of NAC 445B.288(4):** | |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Description** | | | **Data** |
| **Equipment Description** | Source Classification Code (SCC) | e.g. *3-03-024-04 for Conveyors* |  |
| Manufacturer | |  |
| Date Manufactured | |  |
| Model Number | |  |
| Heated Tank | yes/no |  |
| Shell Height | feet |  |
| Shell Diameter | feet |  |
| Maximum Liquid Height | feet |  |
| Average Liquid Height | feet |  |
| Capacity of Tank | gallons |  |
| Shell Color | |  |
| Roof Condition | good/poor |  |
| Roof Type  (Cone, Dome, External, or Internal Floating Roof) | |  |
| Roof Height | feet |  |
| Cone Roof Slope | |  |
| Dome Roof Radius | feet |  |
| True Vapor Pressure of Liquid | psig |  |
| Reid Vapor Pressure of Liquid | psig |  |
| Orientation of Tank | Horizontal/Vertical |  |
| Submerged Fill  [NAC 445B.22093(3)] | yes/no |  |
| Equipment Dimensions (LxWxH) | feet |  |
| **Location of Emission Source** | UTM Northing (NAD 83, Zone 11) | m |  |
| UTM Easting (NAD 83, Zone 11) | m |  |

**LIQUID STORAGE TANK APPLICATION FORM**

**CLASS I/II OPERATING PERMIT (CONTINUED)**

|  |  |  |
| --- | --- | --- |
| **Emission Unit Description:** |  | |
| **Identify Utilized Portion of NAC 445B.288(4):** | |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Description** | | | **Data** |
| **Operating Parameters** | Material Type | |  |
| Maximum Throughput | gallon/month |  |
| Maximum Throughput | gallon/year |  |
| **Control Equipment** | Type of Control | |  |
| Control Efficiency | % |  |
| Pollutant(s) Controlled | |  |
| Manufacturer | |  |
| Manufacturer’s Guarantee Included? | yes/N/A |  |
| **Volatile Organic Compounds (VOC) Emissions** | Emission Limit | ton/year |  |
| **Other Pollutants** | Emission Factor (with units) | *(insert unit)* |  |
| Emission Factor Reference | |  |
| Emission Limit | pound/hour |  |
| Emission Limit | ton/year |  |

**INDUSTRIAL PROCESS AND STORAGE SILO DETAILED CALCULATIONS**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit**  **Description** | **Operating Hours** | | **Throughput** | | | **Uncontrolled Emissions** | | | | | **References** |
| **Daily** | **Annual** | **Hourly** | **Annual** | **Units** | **Pollutant** | **Factor** | **Unit** | **Hourly Rate**  **(lbs/hr)** | **Yearly Rate**  **(tons/yr)** |
|  | 24 | 8,760 |  |  |  | PM |  |  |  |  |  |
| PM10 |  |  |  |  |  |
| PM2.5 |  |  |  |  |  |
|  | 24 | 8,760 |  |  |  | PM |  |  |  |  |  |
| PM10 |  |  |  |  |  |
| PM2.5 |  |  |  |  |  |
|  | 24 | 8,760 |  |  |  | PM |  |  |  |  |  |
| PM10 |  |  |  |  |  |
| PM2.5 |  |  |  |  |  |
|  | 24 | 8,760 |  |  |  | PM |  |  |  |  |  |
| PM10 |  |  |  |  |  |
| PM2.5 |  |  |  |  |  |

\*Exact format may be changed, but requested information is still required.

**COMBUSTION EQUIPMENT DETAILED CALCULATIONS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit**  **Description** | **Operating Hours** | | **Heat Input**  **(MMBtu)** | | **Fuel Usage** | | | **Power Output** | | **Uncontrolled Emissions** | | | | | **References** |
| **Daily** | **Annual** | **Hourly** | **Annual** | **Hourly** | **Annual** | **Units** | **Amount** | **Units** | **Pollutant** | **Factor** | **Unit** | **Hourly Rate**  **(lbs/hr)** | **Yearly Rate**  **(tons/yr)** |
|  | 24 | 8,760 |  |  |  |  |  |  |  | PM |  |  |  |  |  |
| PM10 |  |  |  |  |  |
| PM2.5 |  |  |  |  |  |
| SO2 |  |  |  |  |  |
| NOX |  |  |  |  |  |
| CO |  |  |  |  |  |
| VOC |  |  |  |  |  |
| Pb |  |  |  |  |  |
| Hg |  |  |  |  |  |
| H2S |  |  |  |  |  |
|  | 24 | 8,760 |  |  |  |  |  |  |  | PM |  |  |  |  |  |
| PM10 |  |  |  |  |  |
| PM2.5 |  |  |  |  |  |
| SO2 |  |  |  |  |  |
| NOX |  |  |  |  |  |
| CO |  |  |  |  |  |
| VOC |  |  |  |  |  |
| Pb |  |  |  |  |  |
| Hg |  |  |  |  |  |
| H2S |  |  |  |  |  |
|  | 24 | 8,760 |  |  |  |  |  |  |  | PM |  |  |  |  |  |
| PM10 |  |  |  |  |  |
| PM2.5 |  |  |  |  |  |
| SO2 |  |  |  |  |  |
| NOX |  |  |  |  |  |
| CO |  |  |  |  |  |
| VOC |  |  |  |  |  |
| Pb |  |  |  |  |  |
| Hg |  |  |  |  |  |
| H2S |  |  |  |  |  |

\*Exact format may be changed, but requested information is still required.

**GREENHOUSE GASES (GHG) DETAILED CALCULATIONS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit**  **Description** | **Operating Hours** | | **Heat Input**  **(MMBtu)** | | **Fuel Usage** | | | **Uncontrolled Emissions** | | | | | | **References** |
| **Daily** | **Annual** | **Hourly** | **Annual** | **Hourly** | **Annual** | **Units** | **Pollutant** | **Factor** | **GWP Multiplier** | **Unit** | **Hourly Rate**  **(lbs/hr)** | **Yearly Rate**  **(tons/yr)** |
|  | 24 | 8,760 |  |  |  |  |  | CO2 |  | 1 |  |  |  |  |
| CH4 |  | 25 |  |  |  |  |
| N2O |  | 298 |  |  |  |  |
|  | 24 | 8,760 |  |  |  |  |  | CO2 |  | 1 |  |  |  |  |
| CH4 |  | 25 |  |  |  |  |
| N2O |  | 298 |  |  |  |  |
|  | 24 | 8,760 |  |  |  |  |  | CO2 |  | 1 |  |  |  |  |
| CH4 |  | 25 |  |  |  |  |
| N2O |  | 298 |  |  |  |  |

\*Exact format may be changed, but requested information is still required.

**HAZARDOUS AIR POLLUTANTS (HAPS) DETAILED CALCULATIONS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit**  **Description** | **Operating Hours** | | **Heat Input**  **(MMBtu)** | | **Fuel Usage** | | | **Uncontrolled Emissions** | | | | | **References** |
| **Daily** | **Annual** | **Hourly** | **Annual** | **Hourly** | **Annual** | **Units** | **Pollutant** | **Factor** | **Unit** | **Hourly Rate**  **(lbs/hr)** | **Yearly Rate**  **(tons/yr)** |
|  | 24 | 8,760 |  |  |  |  |  |  |  |  |  |  |  |
|  | 24 | 8,760 |  |  |  |  |  |  |  |  |  |  |  |
|  | 24 | 8,760 |  |  |  |  |  |  |  |  |  |  |  |

\*Exact format may be changed, but requested information is still required.

**APPLICATION CERTIFICATION DOCUMENT**

(With Required Attachments)

Please check all applicable boxes below to indicate the information provided in your application submittal:

General Company Information Form

Industrial Process Application Form(s)

Combustion Equipment Application Form(s)

Storage Silos Application Form(s)

Liquid Storage Tank Application Form(s)

Detailed Emission Calculations for requested IA units

Manufacturer’s Guarantee *if applicable*

Equipment Specifications *if applicable*

TANKs Modeling Output *if applicable*

Application Fee Attached or Electronically Submitted

Application Certification Document with Original Responsible Official Signature

The Responsible Official must sign and date this application certification. ***If the application is signed by a person other than the Responsible Official, as defined in NAC 445B.156, the application will be returned as incomplete.***

**PLEASE NOTE THE FOLLOWING REQUIREMENTS WHICH APPLY TO PERMIT APPLICANTS DURING THE APPLICATION PROCESS:**

A. A permit applicant must submit supplementary facts or corrected information upon discovery [NAC 445B.297(1)(b)].

B. A permit applicant is required to provide any additional information which the Director requests in writing within the time specified in the Director's request [NAC 445B.297(1)(c)].

C. Submission of fraudulent data or other information may result in prosecution for an alleged criminal offense [NRS 445B.470].

**CERTIFICATION:**

**I certify that, based on information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate and complete.**

|  |
| --- |
|  |
| Signature of Responsible Official |
|  |
| Print or Type Name and Title |
|  |
| Date |