

Application for Determination of Insignificant Activities as defined under NAC 445B.288(4)

Facility Name: _____

Permit Class:

Existing Facility ID: A _____

Existing Permit Number: AP _____



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

September 2020
(Ver. 2)

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:
 - (a) 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:
 - (1) Emissions of a hazardous air pollutant that exceed 1 pound per hour or 1,000 pounds per year, as appropriate;
 - (2) Emissions of regulated air pollutants that exceed 4,000 pounds per year;
 - (3) Emissions of regulated air pollutants that exceed any other limitation on emissions pursuant to any other applicable requirement; or
 - (4) Emissions of regulated air pollutants that adversely impact public health or safety, or exceed any ambient air quality standards; and
 - (b) 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.
- **Do not submit this application for emission units that qualify as Insignificant Activities under NAC 445B.288(2). You may notify the BAPC of the addition of these units via a letter.**
 - 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 <i>if applicable</i>	feet
	Drop Height <i>if applicable</i>	feet
	The drop height is measured from the <input type="checkbox"/> top of the drop length <input type="checkbox"/> middle of the drop length <input type="checkbox"/> bottom of the drop length, in reference to the ground. <i>Choose one, if applicable</i>	
	Drop Horizontal Dimension 1 <i>if applicable</i>	feet
	Drop Horizontal Dimension 2 <i>if applicable</i>	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 <i>if applicable</i>	unit /batch
	Start Time <i>if operating less than 24 hours/day</i>	hour:minute
	End Time <i>if operating less than 24 hours/day</i>	hour:minute
Stack Parameters	Stack Height	feet
	Stack Inside Diameter	feet
	Stack Temperature	°F
	Stack Exit Velocity	feet/second
	Actual Gas Volume Flow Rate	acfm
	Dry Gas Volume Flow Rate <i>If not included in detailed calculations.</i>	dscfm
	Stack Release Type	<input type="checkbox"/> vertical <input type="checkbox"/> capped <input type="checkbox"/> 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	°F
	Stack Exit Velocity	feet/second
	Actual Gas Volume Flow Rate	acfm
	Dry Gas Volume Flow Rate <i>If not included in detailed calculations.</i>	dscfm
	Stack Release Type	<input type="checkbox"/> vertical <input type="checkbox"/> capped <input type="checkbox"/> 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) <i>if applicable</i>	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 <i>if applicable</i>	unit/batch		
Stack Parameters	Stack Height	feet		
	Stack Inside Diameter	feet		
	Stack Temperature	°F		
	Stack Exit Velocity	feet/second		
	Actual Gas Volume Flow Rate	acfm		
	Dry Gas Volume Flow Rate <i>If not included in detailed calculations.</i>	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)	<i>(insert unit)</i>
	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					
						PM ₁₀					
						PM _{2.5}					
	24	8,760				PM					
						PM ₁₀					
						PM _{2.5}					
	24	8,760				PM					
						PM ₁₀					
						PM _{2.5}					
	24	8,760				PM					
						PM ₁₀					
						PM _{2.5}					

*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						
			PM ₁₀													
			PM _{2.5}													
			SO ₂													
			NO _x													
			CO													
			VOC													
			Pb													
			Hg													
			H ₂ S													
	24	8,760								PM						
			PM ₁₀													
			PM _{2.5}													
			SO ₂													
			NO _x													
			CO													
			VOC													
			Pb													
			Hg													
			H ₂ S													
	24	8,760								PM						
			PM ₁₀													
			PM _{2.5}													
			SO ₂													
			NO _x													
			CO													
			VOC													
			Pb													
			Hg													
			H ₂ S													

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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						CO ₂		1				
								CH ₄		25				
								N ₂ O		298				
	24	8,760						CO ₂		1				
								CH ₄		25				
								N ₂ O		298				
	24	8,760						CO ₂		1				
								CH ₄		25				
								N ₂ O		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