North Coast Unified Air
Quality Management District
707 L Street
Eureka, CA 95501
(707) 443-3093

APPLICATION FORM 1300B

Emissions, Fuel and Process Materials

Complete this Form if you are requesting an Authority to Construct, a Permit renewal or to modify an existing Permit.

Section I – Emission Rates for Criteria Pollutants (Potential to Emit) and Stack Exit Conditions

First, specify both a unit number and stack identifier as well. Unit and stack numbering must correspond throughout the application package. Next, list the emission rate of all criteria pollutants in both pounds per hour and tons per year. Last, identify the state configuration and characteristics of the exhaust gas under typical operating conditions. Emissions of Toxic Air Contaminants are reported in Section II. **This Form is <u>not</u> required for Gas Stations – use Form 1306.**

		Emission Rates for Criteria Pollutants[1]							Estimation Method[2]	Stack Exit Conditions (Not Applicable for Fugitives)			
		PM lb/hr	PM10 lb/hr	NOx lb/hr	CO lb/hr	VOC lb/hr	SOx lb/hr	Lead or H_2S lb/hr	Manufacturer's data Stack test USEPA AP-42	Orientation (H=Horizontal V=Vertical)	Height Above Ground (ft)	Flow Rate (acfm)	Inside Diam. or L ×W (ft)
Unit No.	Stack No.	ton/yr	ton/yr	ton/yr	ton/yr	ton/yr	ton/yr	ton/yr		Rain Caps (Yes or No)	Temp. (°F)	Velocity (ft/sec)	
Sample	1	1.0	2.0	-	-	-	-	-	AP-42 Table 1.0	Vertical	50	1000	1.2
		4.38	8.76	-	-	-	-	-		No	275	50	
TOTALS →													

[1] List all fugitives associated with the normal, routine, or non-emergency operation of the facility. [2] Submit copy of manufacturer's data or stack test report.

Section II - Emission Rates for Toxic Air Contaminants (Potential to Emit)

Use the same unit and stack numbering must correspond

Specify below the name of the Substance as it appears in the California OEHHA Air Toxic Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, August 2003, Appendix A and A-II.	Unit # / Stack#	Unit # / Stack#	Unit # / Stack#	Unit # / Stack#	Unit # / Stack#	Unit # / Stack#	Unit # / Stack#	TOTALS
	A 1							
	lb/hr	lb/hr	lb/hr	lb/hr	lb/hr	lb/hr	lb/hr	lb/hr
	ton/yr	ton/yr	ton/yr	ton/yr	ton/yr	ton/yr	ton/yr	ton/yr
Sample – "Acrolein"	0.0001 lb/hr							
	0.000001 ton/yr							
	-							
	-							
	-							
	-							
	-							
	-							
	-							
	-							
	-							
	-							
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	-							
	-							
	-							

Use additional sheets if necessary.

Section III – Potential to Emit Greenhouse Gases

Unit and stack numbering must correspond throughout the application package. Use English units of measurement (e.g. "short tons").

Specify the name of the Substance below (CO2, N2O, CH4, HFC's, PFC's, SF6)	Unit # / Stack#	Unit # / Stack#	Unit # / Stack#	Unit # / Stack#	Unit # / Stack#	Unit # / Stack#	Unit # / Stack#	TOTALS
	A 1							
	lb/hr	lb/hr	lb/hr	lb/hr	lb/hr	lb/hr	lb/hr	lb/hr
	ton/yr	ton/yr	ton/yr	ton/yr	ton/yr	ton/yr	ton/yr	ton/yr
Sample –"CO2"	100 lb/hr							
	125,000 ton/yr							
	-							
	-							
	-							
	-							
	-							
	-							
	-							
	-							
	-							
	-							
	-							
	-							
	-							
	-							

Section IV: Fuel Characteristics and Usage

Use the same unit and stack numbering must correspond

Unit No.	Fuel Type (No. 2 Diesel, Natural Gas, Coal, etc.)	Higher Heating Value	Hourly Usage	Annual Usage	% Sulfur	% Ash

Section V: Materials Processed and Produced

Raw Material Processed				End Product / Material Produced			
Description	Chemical Composition	Phase[1]	Quantity (specify units)	Description	Chemical Composition	Phase[1]	Quantity (specify units)

[1] G = Gas, L = Liquid, S = Solid

Section VI: Attachments

1. Written Description of the Facility Operations

Provide a written description of the routine operations of the facility. Include a description of how each piece of equipment will be operated, how controls will be used, and the fate of both products and waste generated. For modifications, explain how the changes will affect the existing process. ☐

2. Plot Plan and Location Information

A drawing or sketch shall be submitted to scale and shall show at least the following;

a. A scale and indication of which direction is North. ☐
b. The property owned, leased, or under direct control of the applicant and outlines and heights of all buildings on it. Identify property lines plainly. ☐
c. Property location with respect to public and private streets, and all adjacent properties. Show surrounding property owners and uses within 600 feet radius of property. Identify all buildings (as residence, apartment house, machine shop, warehouse, etc.) specifying height of each building (number of stories). ☐
d. Location and identification of the proposed equipment on the property and emission points. ☐
e. Access and haul roads. ☐
f. Areas with restricted public access with explanation of how restricted. ☐
g. Distance and direction to the nearest residence. ☐
h. Distance and direction to the nearest school property boundary. ☐
i. Identify by name schools which have their outer property boundaries located within 1000 feet of the equipment. ☐
j. If the source is in a remote location provide a map such as a 7.5 minute topographic quadrangle showing: ☐
1) indication of which direction is North, 2) a scale, and 3) topographic features of the area. ☐

3. Process Flow Diagram

Provide a process flow sheet and/or block diagram indicating the individual equipment, all emission points and types of control applied to those points. Use a numbering system that cross references with attachment 1. ☐

4. Regulations Applicability (not required for gasoline stations)

Provide a discussion demonstrating compliance with each air-related local, state and federal regulation that you are aware would normally be applicable to your source. If such a regulation does not apply to your facility explain way. For example 40 CFR 60 Subpart OOO for crushers, 40 CFR 60 Subpart D for fossil-fuel fired steam generators, etc. ☐

5. NSR/ PSD Applicability

For any new or modified source subject to new source review (AQMD Regulation 1, Rule 220 (b)) use the procedures for Determining the Net Emissions. Change at a Source as specified by Table A-5 (Page a.45) of the USEPA New Source Review Workshop Manual to determine if the source is subject to PSD review. If PSD review is required, submit a top-down BACT analysis. ☐

6. Air Quality Impact

For any new or modified source subject to new source review (AQMD Regulation 1, Rule 220 (b)), provide an analysis of the air quality impact (including air quality dispersion modeling and risk assessment). ☐

7. Fees and General Information

Every Permit Application submitted must be accompanied by the appropriate Application Processing Fee. ☐

Further information or clarification concerning permits can be obtained by writing or calling:

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