

Texas Commission on Environmental Quality
Table 1(a)
Emission Point Summary
Instructions

Beginning June 1, 2019, Table 1(a) is not required for applications being submitted with the Form PI-1 General Application workbook. Refer to the [New Source Review \(NSR\) Application Tools](#) webpage for further information.

Table 1(a) can continue to be submitted for other permit actions and types, as needed.

1. Emission Point Number and Name:

- Identify each emission point with a unique number for this plant site. The emission point numbers (EPN) must be consistent with the emission point identification used on the plot plan, any previous permits, and “Emissions Inventory Questionnaire.”
- Associate the EPN to the appropriate facility with a facility identification number (FIN). These numbers can be alphanumeric and maximum of 10 characters.
- Examples of emission point names are; “heater,” “vent,” “boiler,” “tank,” “reactor,” “separator,” “baghouse,” or “fugitive.” Examples of EPN and/or FIN numbers are, “BOILER1,” “100B1,” “BH1.” If appropriate, a FIN can be the same as the EPN. Abbreviations are acceptable.

2. Component or Air Contaminant Name:

- List each component or air contaminant name. Examples of component names are; “air,” “H₂O,” “nitrogen,” “oxygen,” “CO₂,” “CO,” “NO_x,” “SO₂,” “hexane,” or “particulate matter (PM).” Abbreviations are acceptable.

3. Air Contaminant Emission Rate:

- Pounds per hour is the maximum short-term emission rate expected to occur in any one-hour period.
- Tons per year (tpy) is the annual (any rolling 12-month period) total maximum emissions expected by the facility, taking the process operating schedule into account.

4. Universal Transverse Mercator (UTM) Coordinates of Emission Points:

The applicant must furnish a facility plot plan drawn to scale showing a plant benchmark. Latitude and longitude must be correct and to the nearest second for the benchmark, and the dimension of all emission points with respect to the benchmark as required by the Form PI-1 (General Application for Air Preconstruction Permits and Amendments). This information is essential for the calculation of emission point UTM coordinates. Please show emission point UTM coordinates if known. Use the southwest corner as the emission point coordinate for each area source.

5. Building Height:

- Enter the height of the building.

6. Height Above Ground:

- Enter the height of the stacks above the ground.

7. Stack Exit Data:

- Enter the length, width and equivalent diameter for rectangular stacks. Also indicate horizontal discharge or covered stacks (raincap).
- Enter the velocity of emissions in actual feet per second.
- Enter the actual temperature if the exit temperature is “room” or “climate controlled.” Enter “ambient” to represent exit temperatures that are the same as the outdoor environment. Flare exit temperatures are not required.

8. Fugitives:

- For area fugitive sources, enter the dimensions of a rectangle, which will “enclose” all fugitive sources included in this EPN. Length to width ratio should be 10:1 or less. Subdivide larger areas to meet this requirement.
- Enter the width of the fugitive source area.
- Enter the number of degrees the long axis of the fugitive area is offset from north south.

Note: The TCEQ standard conditions are 68° F and 14.7 PSIA (Title 30 Texas Administrative Code § 101.1)

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Table 1(a) Emission Point Summary
Air Contaminant Data (Page 1)**

Date:	
Permit No.:	
Regulated Entity No.:	
Area Name:	
Customer Reference No.:	

Review of application and issuance of permits will be expedited by supplying all necessary information requested on the Table

EPN	FIN	Name	Component or Air Contaminant Name	Air Contaminant Emission Rate lb/hr	Air Contaminant Emission Rate TPY

EPN = Emission Point
FIN = Facility Identification Number

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Table 1(a) Emission Point Summary
Air Contaminant Data (Page 2)**

Date:	
Permit No.:	
Regulated Entity No.:	
Area Name:	
Customer Reference No.:	

Review of application and issuance of permits will be expedited by supplying all necessary information requested on the Table

EPN	FIN	Name	UTM Coordinates of Emission Point Zone	UTM Coordinates of Emission East (Meters)	UTM Coordinates of Emission North (Meters)	Emission Point Discharge Parameters Building Height (ft)	Emission Point Discharge Parameters Height Above Ground (ft)	Stack Exit Data Diameter (ft)	Stack Exit Data Velocity (FPS)	Stack Exit Data Temperature (°F)	Fugitives Length (ft)	Fugitives Width (ft)	Fugitives Axis Degrees

EPN = Emission Point

FIN = Facility Identification Number

TCEQ - 10153 (APDG 5178v7, revised 06/19) Table 1(a)

This form is for use by sources subject to air quality permit requirements and may be revised periodically.