

Instruction Sheet
DEP7007Y Good Engineering Practice and Stack Height Determination

This form identifies information needed to determine Good Engineering Practice (GEP) Stack Height for emission points where stacks and other exhaust points are 65 meters or taller.

Source Name: Enter the name of the facility.

KY EIS (AFS) #: Enter the Kentucky Emissions Inventory Section identification number of the facility. The KY EIS number follows the format: 21-____-_____. A new facility will not have a KY EIS (AFS) number.

Permit #: Enter the permit number of the permitted facility. This number is found on the front page of the permit. A new facility will not have a permit number.

Agency Interest (AI) ID: Enter the agency interest number of the facility. This number is found on the front page of the permit. A new facility will not have an agency interest number.

Date: Enter the date the form was completed. If the form is being revised, enter the date the form was revised.

Section Y.1: Building Dimension Information

Exhaust Point #: Assign an exhaust point number to each process which has a potential to emit any air pollutant (includes smoke, dust, soot, grime, carbon, or any other particulate matter, radioactive matter, noxious acid, fumes, gases, odor, vapor, or any combination). Each exhaust point number should be unique.

Exhaust Point Name: Enter the name of the exhaust point.

Description of Exhaust Point: Enter a description of the exhaust point (stack, vent, roof monitor, etc.).

List all processes and control devices serviced by the exhaust point:

Name: Enter the names of all emission points and control devices serviced by the exhaust point.

Flow Diagram Designation: Identify the exhaust point on a flow diagram.

Building dimensions where exhaust point is located:

Length: Record the length of the building in feet.

Width: Record the width of the building in feet.

Height: Record the height of the building in feet.

Distance to nearest building: Record the distance to the nearest building in feet.

Dimensions of the nearest building:

Length: Record the length of the nearest building in feet.

Width: Record the width of the nearest building in feet.

Height: Record the height of the nearest building in feet.

Section Y.2: Exhaust Point Information

*Complete this section for all exhaust points. If the exhaust point discharges indoors, provide the information for the building exhaust nearest to the emission unit.

Exhaust Point: Enter the exhaust point.

Distance to nearest plant boundary from exhaust point discharge: Record the distance to the nearest boundary from where the exhaust point discharges in feet.

Good Engineering practice (GEP) height, if known: Record the good engineering practice stack height in feet.

Diameter of exhaust point: Record the diameter of the exhaust point in feet. For a square or rectangular unit, the equivalent diameter is 1.128 multiplied by the square root of the stack area.

Direction of exhaust: Describe the direction that the exhaust stack directs the exhaust gas stream.

Geographical Coordinates:

Latitude: Record the latitude coordinate at the center of the unit, in decimal degrees with at least five decimals.

Longitude: Record the longitude coordinate at the center of the unit, in decimal degrees with at least five decimals.

UTM Coordinates:

Northing: Record the vertical UTM Coordinates in meters.

Easting: Record the horizontal UTM Coordinates in meters.

Exit Gas Flow Rate:

Minimum: Record the minimum exit gas flow rate in actual cubic feet per minute (acfm).

Maximum: Record the maximum exit gas flow rate actual cubic feet per minute (acfm).

Exit Gas Temperature:

At minimum Flow Rate: Record the minimum exit gas temperature in degrees Fahrenheit.

At maximum Flow Rate: Record the maximum exit gas temperature in degrees Fahrenheit.

Section Y.3: Notes, Comments, and Explanations

Use this sheet provide additional notes, comments, or explanations on the information provided in Sections Y.1 and Y.2.