Instruction Sheet
DEP7007A Indirect Heat Exchangers and Turbines

The purpose of this form is to acquire information about combustion sources such as boilers, indirect heat exchangers, and combustion turbines.

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 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 a permit number.

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

Section A.1: General Information

Emission Unit #: Enter the unique number used to identify the emission unit. If the emission unit is currently permitted, use the existing identification number.

Emission Unit Name: Enter the name of the emission unit. Include the descriptor “fugitive” for processes that are fugitive emissions.

Process ID: Enter the process number.

Process Name: Name the process.

Identify General Type: Describe the emission point/process by choosing one of the following, “Indirect Heat Exchanger”, “Gas Turbine”, or “Combustion Turbine.”

Manufacturer: Enter the manufacturer’s name.

Model No. /Serial No.: Enter the model and serial number of the indirect heat exchanger or turbine.

Proposed/Actual Date of Construction Commencement: Enter the proposed or actual date of construction commencement for the indirect heat exchanger or turbine.

SCC Code: Enter the Source Classification Code (SCC).

SCC Units: Enter the SCC Units.

Control Device ID: Enter the control device ID.

Stack ID: Enter the number of the stack. A detailed description of the stack should be provided on DEP7007N.

Section A.2: Operating and Fuel Information

Emission Unit #: Enter the unique number used to identify the emission unit. If the emission unit is currently permitted, use the existing identification number.

If multipurpose unit, identify the percentage of use by purpose: Indicate if the unit is multi-purpose, and enter a percentage of use for each purpose.

Rated Capacity Heat Input: Record the rated capacity of heat input in MMBtu/hr.

Rated Capacity Power Output: Enter the rated capacity power output and specify the appropriate units: horsepower, megawatts, or pounds of steam per hour.

Describe Operating Scenario: Provide a description of the operating scenario if the unit will be used in different configurations.

Classify Fuel as Primary or Secondary: Classify each type of fuel as primary or secondary. For example, a back-up fuel would be considered secondary. If an emission unit uses a third type of fuel, identify it as well.

Identify Fuel Type: Identify the type of primary fuel as: Coal, Natural Gas, Wood, Biomass, Landfill/Digester Gas, Fuel Oil #1-6, and Other. If “Other”, indicate what fuel type is being used.

Heat Content (HHV): Provide the heat content (in Btu/pound, Btu/gallon, or Btu/cubic feet) for each fuel type.

Maximum Operating Hours: Record the maximum operating hours for each fuel type.

Ash Content: For each fuel type, record the ash content as a percentage.

Sulfur Content: For each fuel type, record the sulfur content as a percentage.

Section A.3: Notes, Comments, and Explanations

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