

Instruction Sheet
DEP7007FF Secondary Aluminum Processing

This form summarizes the activities and emissions at secondary aluminum process facilities.

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 permitted 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.

Attach a process flow diagram for each emission unit. Show entry and exit points of all raw materials, including air pollution emissions and other waste materials. Label the process equipment and add-on emissions control equipment utilized.

Section FF.1: Aluminum Scrap Shredders

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 ID for the aluminum scrap shredder.

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

SCC Units: Enter the SCC Units.

Proposed/Actual Date of Construction Commencement: Enter the proposed or actual date of construction commencement for the aluminum scrap shredder.

Maximum Design Capacity of Each Unit: Enter the maximum design capacity of each unit in SCC units per hour.

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

Type of Scrap: Enter the type of scrap that is produced.

Control Device ID: Enter the Control Device ID.

Describe Capture Method: Describe the capture method used.

Capture Efficiency: Record the capture efficiency as a percentage.

Have ACGIH requirements been completed? Indicate either “Yes” or “No” as to whether an ACGIH requirement has been completed.

Section FF.2: Dryer or Kiln

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 ID for the dryer or kiln.

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

SCC Units: Enter the SCC Units.

Proposed/Actual Date of Construction Commencement: Enter the proposed or actual date of construction commencement for the dryer or kiln.

Rated Burner Capacity: Record the rated burner capacity in MMBTU/hr.

Fuel(s) Used: Enter the type of fuel used. If multiple fuels are used, list each fuel type.

Maximum Design Capacity of Each Unit: Enter the maximum design capacity of each unit in SCC Units/hr.

Type of Scrap: Enter the type of scrap that is produced.

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.

Describe Capture Method: Describe the capture method.

Capture Efficiency: Record the capture efficiency as a percentage.

Have ACGIH requirements been completed? Indicate either “Yes” or “No” as to whether an ACGIH requirement has been completed.

Section FF.3: Furnace

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 ID for the furnace.

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

SCC Units: Enter the SCC Units.

Proposed/Actual Date of Construction Commencement: Enter the proposed or actual date of construction commencement for the furnace.

Type of Furnace: Enter the type of furnace.

Group 1 or 2: Indicate if the furnace is group 1 or group 2.

Type of Flux: Identify the type of flux used.

Maximum Flux Used: Record the maximum flux used in pounds per cycle (lb/cycle).

Rated Burner Capacity: Record the rated burner capacity in MMBTU/hr.

Fuel(s) Used: Enter the type of fuel used. If multiple fuels are used, list each fuel type.

Maximum Design Capacity of Each Unit: Enter the maximum design capacity of each unit in SCC Units/hr.

Cycle Time: Record the cycle time of the furnace in hours.

Clean Charge: Indicate if the furnace has a clean charge by entering yes or no.

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

Control Device ID: Enter the Control Device ID.

Describe Capture Method: Describe the capture method.

Capture Efficiency: Record the capture efficiency as a percentage.

Have ACGIH requirements ben completed? Indicate either “Yes” or “No” as to whether an ACGIH requirement has been completed.

Section FF.4: In-Line Fluxer

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.

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

SCC Units: Enter the SCC Units.

Proposed/Actual Date of Construction Commencement: Enter the proposed or actual date of construction commencement for the in-line fluxer.

Fluxing Agent: Identify the fluxing agent used.

HAPs in Flux: Enter the HAPs in Flux; include the CAS number for Hazardous Air Pollutants. Attach a safety data sheet.

Maximum Flux Used: Record the maximum flux used in lb/cycle.

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

Control Device ID: Enter the Control Device ID.

Describe Capture Method: Describe the capture method.

Capture Efficiency: Record the capture efficiency as a percentage.

Have ACGIH requirements ben completed? Indicate either “Yes” or “No” as to whether an ACGIH requirement has been completed.

Section FF.5: Hot Dross

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 ID for the hot dross.

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

SCC Units: Enter the SCC Units.

Proposed/Actual Date of Construction Commencement: Enter the proposed or actual date of construction commencement for the hot dross.

Maximum Design Capacity of Each Unit: Enter the maximum design capacity of each unit in SCC Units/hr.

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

Control Device ID: Enter the Control Device ID.

Describe Capture Method: Describe the capture method.

Capture Efficiency: Record the capture efficiency as a percentage.

Have ACGIH requirements ben completed? Indicate either “Yes” or “No” as to whether an ACGIH requirement has been completed.

Section FF.6: Rotary Dross Cooler

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 ID for the rotary dross cooler.

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

SCC Units: Enter the SCC Units.

Proposed/Actual Date of Construction Commencement: Enter the proposed or actual date of construction commencement for the rotary dross cooler.

Maximum Design Capacity of Each Unit: Enter the maximum design capacity of each unit in SCC Units/hr.

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

Control Device ID: Enter the Control Device ID.

Describe Capture Method: Describe the capture method.

Capture Efficiency: Record the capture efficiency as a percentage.

Have ACGIH requirements ben completed? Indicate either “Yes” or “No” as to whether an ACGIH requirement has been completed.

Section FF.7: Secondary Aluminum Processing Unit (SAPU) Identification

SAPU Identifier: Identify the secondary aluminum processing unit.

Existing or New SAPU?: Indicate if the secondary aluminum processing unit is existing or new.

Emission Units Included in SAPU: Identify the emission units included with the secondary aluminum processing unit.

Section FF.8: Notes, Comments, and Explanations

Use this sheet provide additional notes, comments, or explanations on the information provided in Sections FF.1, FF.2, FF.3, FF.4, FF.5, FF.6 and FF.7.