

## **Instruction Sheet**

### **DEP7007L Mineral Processes**

This form acquires information regarding mineral processes in relation to fertilizer handling operations, asphalt operations, coal operations, aggregate processing operations, feed, corn, and flour operations, grain elevators, and concrete operations.

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 source will not have a KY EIS number.

Permit #: Enter the permit number of the permitted facility. This is the number 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 L.1: Source Operating Information

Type of Plant: Indicate the type of plant.

Operating Schedule: Enter the operating schedule of the equipment by inputting hours per day (hours/day), days per week (days/week), and weeks per year (weeks/year).

Percent Annual Throughput: Enter the percent annual throughput for the months December-February (%), March-May (%), June-August (%), and September-November (%).

Maximum Rated Source Capacity: Record the maximum rated source capacity in tons per hour and tons per year.

Combustion Equipment:

Submit DEP7007EE for each generator.

Is there a generator located on site? Indicate if there is a generator located on site by marking "yes" or "no".

Is it possible for the generator to remain at one site longer than twelve months? Indicate whether it is possible for the generator to remain at one site longer than twelve months by marking "yes" or "no".

Submit DEP7007A for each heater.

Is there a hot water heater located on site? Indicate whether there is a hot water heater located on site by marking “yes” or “no”.

Submit DEP7007B for each dryer.

Is there a dryer located on site? Indicate whether there is a dryer located on site by marking “yes” or “no”.

Submit DEP7007A for each heater.

Is there a hot oil heater (asphalt heater) located on site? Indicate whether there is a hot oil heater located on site by marking “yes” or “no”.

Submit DEP7007HH for all unpaved haul roads, paved haul roads and aggregate stockpiles and loadout.

Attach an accurate flow diagram of the total process, which clearly depicts each piece of process equipment and the associated control equipment.

Describe briefly the disposal of particulates collected in the baghouse and/or other waste generated at the site: Describe the disposal method of particulates collected in the baghouse and/or other waste generated at the site.

Is there additional information attached to support the data required in this form?: Indicate whether there is additional information attached by marking “yes” or “no”.

Brief description of additional information included: Describe the additional information included.

Total number of additional pages, including drawings, maps, and diagrams: Enter the total number of additional pages, including drawings, maps, and diagrams.

### Section L.2: Concrete Operations

Type of Concrete Operation: Indicate the type of concrete operation.

Will a crushing unit be used to resize aggregate or recycled concrete, brick, and/or concrete blocks? Indicate if a crusher will be used by marking “yes” or “no”. If yes, provide the make, model, and maximum rated capacity.

New Source Performance Standard Applicability: Indicate if any emission units for the operation are subject to “NSPS, Subpart OOO”, “None”, or “Other”.

Complete the table:

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

Affected facilities may include cement silos, fly ash silos, weigh hoppers, drum mixers, aggregate handling, aggregate stockpiles, and truck loadout. Additional pages may be added as necessary.

Maximum Rated Capacity is the maximum tons/hour that the piece of equipment was designed to physically handle. If the loading rate for the silos is not known, a rated capacity of 30 tons/hour will be used.

List control devices and complete DEP7007GG.

Control efficiency: Record the control efficiency as a percentage. Include documents to substantiate control efficiency.

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

Pollutant: List the pollutants from the affected facility.

Emission factor: Enter the emission factor in lb/SCC unit.

Source of emission factor: Enter the source of the emission factor.

Proposed/Actual date of construction commencement: Enter the proposed or actual date of construction commencement.

Installation date of unit: Enter the date the unit was installed.

Is the unit subject to NSPS? Indicate whether there is an applicable NSPS.

### Section L.3: Asphalt Operations

Type of Operation: Indicate the type of operation.

Will this plant utilize recycled asphalt pavement (RAP)? Indicate if the plant will utilize recycled asphalt pavement by marking “yes” or “no”. If yes, enter the tons per hour.

Will this plant utilize recycled asphalt shingles (RAS)? Indicate if the plant will utilize recycled asphalt shingles by marking “yes” or “no”. If yes, enter the tons per hour.

New Source Performance Standard Applicability: Indicate if any emission units for the operation are subject to “NSPS, Subpart OOO”, “None”, or “Other”.

Complete the table for each emission unit:

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

Affected facility: Identify the type of affected facility, which may include aggregate hopper, aggregate conveyors, aggregate stockpiles, grinding mill, asphalt silo filling, aggregate stockpiles, and truck loadout.

Maximum Rated Capacity: Record the maximum rated capacity in tons/hour.

Control method or device: Identify the control device. Complete and submit DEP7007GG.

Control efficiency: Record the control efficiency as a percentage. Include documents to substantiate control efficiency.

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

Pollutant: List the pollutants from the affected facility.

Emission factor: Enter the emission factor in lb/SCC unit.

Source of emission factor: Enter the source of the emission factor.

Proposed/Actual date of construction commencement: Enter the proposed or actual date of construction commencement.

Installation date of unit: Enter the date the unit was installed.

Is the unit subject to NSPS? Indicate whether there is an applicable NSPS.

#### Section L.4: Coal Operations

New Source Performance Standard Applicability: Indicate if any emission units for the operation are subject to “NSPS, Subpart Y” or “Other”.

##### Fugitive Coal Dust Emissions Control Plan

A fugitive coal dust emissions control plan is required for open storage piles, including the equipment used in the loading, unloading, and conveying operations of the affected facility, constructed, reconstructed, or modified after May 27, 2009, as required by 40 CFR 60.254(c). Describe the control measures used to minimize fugitive coal dust: Include emissions from each open storage pile, including the equipment used in the loading, unloading, and conveying operations.

One or more of the following control measures must be used to minimize fugitive coal dust: Indicate all control measures that are utilized.

Complete the table for each emission unit:

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

Affected facility: Identify the type of affected facility, which may include receiving hoppers, primary crusher, secondary crusher, screen, conveyors & transfer points, stockpiles, thermal dryer, rail loadout, barge loadout, and truck loadout.

Maximum Rated Capacity: Record the maximum rated capacity in tons/hour.

Control method or device: Identify the control device. Complete and submit DEP7007GG.

Control efficiency: Record the control efficiency as a percentage. Include documents to substantiate control efficiency.

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

Pollutant: List the pollutants from the affected facility.

Emission factor: Enter the emission factor in lb/SCC unit.

Source of emission factor: Enter the source of the emission factor.

Proposed/Actual date of construction commencement: Enter the proposed or actual date of construction commencement.

Installation date of unit: Enter the date the unit was installed.

Is the unit subject to NSPS? Indicate whether there is an applicable NSPS.

#### Section L.5: Aggregate Processing Operations

New Source Performance Standard Applicability: Indicate if any emission units for the operation are subject to “NSPS, Subpart OOO”, “None”, or “Other” by marking the appropriate box.

Complete the table for each emission unit:

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

Affected facility: Identify the type of affected facility, which may include receiving hoppers, primary crusher, secondary crusher, tertiary crusher, fines mill, screen, conveyors & transfer points, pug mill, stockpiles, rail loadout, and truck loadout.

Maximum Rated Capacity: Record the maximum rated capacity in tons/hour.

Control method or device: Identify the control device. Complete and submit DEP7007GG.

Control efficiency: Record the control efficiency as a percentage. Include documents to substantiate control efficiency.

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

Pollutant: List the pollutants from the affected facility.

Emission factor: Enter the emission factor in lb/SCC unit.

Source of emission factor: Enter the source of the emission factor.

Proposed/Actual date of construction commencement: Enter the proposed or actual date of construction commencement.

Installation date of unit: Enter the date the unit was installed.

Is the unit subject to NSPS? Indicate whether there is an applicable NSPS.

#### Section L.6: Feed, Corn, and Flour Operations

Type of Operation: Indicate the type of operation.

New Source Performance Standard/MACT Applicability: Indicate if any emission units for the operation are subject to "MACT, Subpart DDDDDD" or "Other".

Complete the table for each emission unit:

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

Affected facility: Identify the type of affected facility, which may include truck, rail or barge receiving, pre-cleaner, head house, internal handling, elevator leg, flour mill house, feed hammer mill, grain hammer mill, feed pellet mill, feed pellet cooler, conveyors & transfer points, pug mill, stockpiles, truck loadout, rail loadout, column dryer, rack dryer, or barge loadout.

Maximum Rated Capacity: Record the maximum rated capacity in tons/hour.

Control method or device: Identify the control device. Complete and submit DEP7007GG.

Control efficiency: Record the control efficiency as a percentage. Include documents to substantiate control efficiency.

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

Pollutant: List the pollutants from the affected facility.

Emission factor: Enter the emission factor in lb/SCC unit.

Source of emission factor: Enter the source of the emission factor.

Proposed/Actual date of construction commencement: Enter the proposed or actual date of construction commencement.

Installation date of unit: Enter the date the unit was installed.

Is the unit subject to NSPS or MACT? Indicate whether there is an applicable NSPS or MACT.

Section L.7: Grain Operations

Type(s) of Grain Handled at Plant: Enter the type of grain handled at the plant.

Maximum Hourly Rated Capacity: Record the maximum hourly rated capacity in tons per hour and bushels per hours.

Maximum Annual Rated Capacity: Record the maximum annual rated capacity in tons per year and bushels per year.

New Source Performance Standard Applicability: Indicate if any emission units for the operation are subject to “NSPS, Subpart DD” or “Other”.

List the Total Permanent Grain Storage Capacity of the Facility (Storage inside a building, bin, or silo):

Is this proposal a modification to an existing facility? Indicate if this is a proposal to a modification of an existing facility by marking “yes” or “no”. If yes, indicate if there will be an increase in permanent storage capacity and indicate the total storage capacity increase proposed in U.S. bushels.

Complete the table for each emission unit:

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

Affected facility: Identify the type of affected facility, which may include truck, rail or barge receiving, outdoor storage bin, indoor storage bin, head house, internal handling, elevator leg, conveyors & transfer points, column dryer, rack dryer, truck loadout, rail loadout, or barge loadout.

Maximum Rated Capacity: Record the maximum rated capacity in tons/hour.

Control method or device: Identify the control device. Complete and submit DEP7007GG.

Control efficiency: Record the control efficiency as a percentage. Include documents to substantiate control efficiency.

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

Pollutant: List the pollutants from the affected facility.

Emission factor: Enter the emission factor in lb/SCC unit.

Source of emission factor: Enter the source of the emission factor.

Proposed/Actual date of construction commencement: Enter the proposed or actual date of construction commencement.

Installation date of unit: Enter the date the unit was installed.

Is the unit subject to NSPS? Indicate whether there is an applicable NSPS.

Section L.8: Fertilizer Handling Operations

Complete the table for each emission unit:

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

Affected facility: Identify the affected facility, which may include truck, rail or barge receiving, conveyors & transfer points, mixing & blending, truck loadout, rail loadout, or barge loadout.

Maximum Rated Capacity: Record the maximum rated capacity in tons/hour.

Control method or device: Identify the control device. Complete and submit DEP7007GG.

Control efficiency: Record the control efficiency as a percentage. Include documents to substantiate control efficiency.

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

Pollutant: List the pollutants from the affected facility.

Emission factor: Enter the emission factor in lb/SCC unit.

Source of emission factor: Enter the source of the emission factor.

Proposed/Actual date of construction commencement: Enter the proposed or actual date of construction commencement.

Installation date of unit: Enter the date the unit was installed.

### Section L.9: Notes, Comments, and Explanations

Use this sheet provide additional notes, comments, or explanations on the information provided in Sections L.1, L.2, L.3, L.4, L.5, L.6, L.7, and L.8.