

INSTRUCTIONS:

Section 5.5: Asphalt Plant Facility Information

IMPORTANT: Do NOT use pencil to fill out the application. Please type responses or print using black ink. If you have any questions, feel free to contact the Nebraska Department of Water, Energy, and Environment (DWEE) via DWEE.AirQuality@nebraska.gov or the Air Quality Permitting Section at (402) 471-2186.

Complete the information on the top of each page. Enter the name of the facility, as it is known in Nebraska. The facility name on every page of the operating permit application should be identical. Enter the date the form was completed. Enter the DWEE Facility Identification number (FID) assigned by the DWEE. If this is a new facility, leave this box blank. If this is an existing facility, contact the Department if this number is unknown.

General Information

- 1) Indicate the type of Asphalt plant by selecting the appropriate box.
- 2) Enter the maximum amount of asphalt that can be produced per hour and per year. Be sure to select the appropriate units.
- 3) Attachment of manufacturer's specifications are required for: for each emission unit and/or control device listed in #6 dryer; #8 dryer control device; #10 generator; #12 hot oil heater.

4) Operating Schedule

Indicate whether the operating schedule provided is the anticipated operating schedule (for new sources) or actual operating schedule (for existing sources). Provide the operating schedule for the facility in terms of hours/day, days/week, and weeks/year.

5) Permanent Storage Information

List the permanent storage capacity at the facility. For each storage unit, indicate the Emission Unit ID, when the unit was installed, type of unit (i.e., bin, silo, etc.), the maximum storage capacity in tons of the unit, and the type of material stored. If more than four (4) permanent storage units currently exist, then additional information should be provided in order for all permanent storage units to be described in the application. If open storage piles are/will be used for storage, complete Section 6.11 for each storage pile.

Combustion Equipment

Attach the manufacturer's specifications for each emission unit as part of the application (**Step 17 Manufacturers Specifications**).

- 6) Indicate if there is a dryer located on site.
- 7) If a dryer exists, indicate its maximum rated capacity and select the appropriate units. Also indicate the type(s) of fuel utilized in the dryer.
- 8) If there is a piece of control equipment associated with the dryer, indicate what type of device it is. If there is not a piece of control equipment, select none.
- 9) Indicate whether oil will be applied **after** the asphalt is dried.

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Combustion Equipment (continued)

- 10) Indicate if there is a generator located on site.
- 11) If a generator exists, indicate its maximum rated capacity and select the appropriate units. Also indicate the type(s) of fuel utilized in the generator.
- 12) Indicate if a hot oil heater is located on site.
- 13) If a hot oil heater exists, indicate its maximum rated capacity and select the appropriate units. Also indicate the type(s) of fuel utilized in the hot oil heater.

Be sure to complete the applicable emission point sections for each fuel combustion source located onsite.

14) Asphalt Production Operations

For each operation listed, indicate the type of control device (add-on or inherent to the system) that is utilized on that operation. If no controls are utilized for a particular operation select the “None” box. The selections made in this section will determine if controlled emission factors should be utilized when calculating the facility’s emissions.

15) New Source Performance Standard (NSPS) Applicability

This Asphalt Plant may be subject to an NSPS subpart. Select the subpart this facility is subject to. If you do not know whether or not the facility is subject to a specific NSPS, contact the Department for additional information.

16) Potential to Emit (PTE) Calculations

Submittal of PTE calculations with this permit application is required. If there are questions on calculating the potential emissions associated with asphalt production activities, contact the Department. The Department may be able to send you electronic spreadsheets for ease in calculating the potential emissions. Be sure that the potential emission calculations are attached and select the box to indicate it has been done.

17) Manufacturers Specifications

Attach the manufacturer's specifications for each emission unit listed in #6 dryer; #8 dryer control device; #10 generator; #12 hot oil heater. Select the box to indicate it has been done.

18) Additional Information

Please include any additional information associated with the asphalt plant you feel should be submitted with this application. Only select the “YES” box if information is being included that is not required elsewhere in the application.

INSTRUCTIONS (continued):

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19) Actual Asphalt Production Rates

Enter the amount of asphalt produced at the facility for the past five years. Be sure to input the appropriate units (either tons or yards). This information only needs to be completed and submitted to the Department if you are applying for an operating permit or operating permit renewal.

20) Current Operating Limitations

If there are currently no operating limitations on this source, select the “N/A” box located in the section title.

If there are currently operating limitations on this source or on individual emission units at this source, list the limitations that either must be incorporated into the operating permit (i.e., they exist in a construction permit) or currently exist in your operating permit that you would like to remain in your new operating permit. Some examples of limitations could be hourly restrictions on combustion equipment or annual asphalt production.

21) Emission Calculations

If you are applying for an operating permit (initial or renewal), submittal of actual emission calculations with this permit application is required. If there are questions on calculating the actual emissions associated with asphalt production activities, contact the Department. The Department may be able to send you electronic spreadsheets for ease in calculating the actual emissions. Be sure that the actual emission calculations are attached and select the box to indicate it has been done.

22) Additional Information

Please include any additional information associated with the asphalt plant you feel should be submitted with this application. Only select the “YES” box if information is being included that is not required elsewhere in the application.