

Air Quality Permit Application Form 5.0: Facility Information

INSTRUCTIONS:

Section 5.8: Biodiesel Production 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 Nebraska Department of Water, Energy, and Environment. 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 amounts of each product that is currently produced at the facility and the amounts of each product that will be produced after the permitting action.
- 2) Attachment of manufacturer's specifications are required for: for each emission unit and/or control device listed in vapor recovery system.

Vapor Recovery System

Attach the manufacturers specifications for each emission unit and/ or control equipment as part of the application (**Step 15 Manufacturers Specifications**).

- 3) Indicate whether or not a vapor recovery system is or will be installed on the liquid loadout operations for vapor control.
- 4) If a vapor recovery system is/will be used, indicate if the vapors from the truck loadout, rail loadout, or both will be recovered.
- 5) If the facility currently utilizes or will utilize after this permitting action a vapor recovery system as an emission control device for load out operations, provide the following information in the table:
 - a) Enter the Capture Efficiency (A) for both Truck and Rail Loadout, if applicable. If assuming 100% capture, manufacture's guarantee or the equivalent is required to be submitted with the application.
 - b) Enter the Control Efficiency (B) for both Truck and Rail Loadout, if applicable. If assuming greater than 95% control, manufacture's guarantee or the equivalent is required to be submitted with the application.
 - c) Multiply (A) x (B) to calculate the Overall Control Efficiency for both Truck and Rail Loadout, if applicable.

If a combustion flare is used to control the collected vapors, Section 7.1 for combustion flares should be completed.

6) New Source Performance Standard (NSPS) Applicability

This Biodiesel Production facility may be subject to an NSPS subpart. Select the subpart this facility is subject to. If unsure about which NSPS may apply, contact the Department for assistance.

INSTRUCTIONS (continued):

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7) Product Receiving Information

Indicate the number of quantities of products that are currently received and will be received after this permitting action. Be sure to use the units specified. If the facility will receive grain, please fill out the Section 5.3 forms (Ethanol Production Facility Information) that apply to this facility.

8) Emission Calculations for Product Receiving Attached?

If emission calculations for Product Receiving Information are attached on a separate sheet, check the "YES" box.

Liquid Product Loading

- 9) Indicate the current amounts of each liquid product that is loaded out via the various shipping methods available to the facility and the anticipated amounts of each product to be loaded out after the permitting action.
- 10) Occasionally, biodiesel production facilities request loadout limitations in order to be a minor source with regard to the Federal New Source Review program or to comply with ambient air quality standards. The amount of liquid product that can be loaded out by truck can be limited in order to reduce potential haul road emissions. If you would like to have liquid loadout limitations established for your facility, indicate the limitation(s). If you do not want a limitation, enter "NONE" in this section.
- 11) Indicate what method(s) will be used to ship product from the facility.
- 12) Select the type of loading that will occur when loading into trucks. Select "NONE" if truck loadout will not occur at the facility.
- 13) Select the type of loading that will occur when loading into railcars. Select "NONE" if railcar loadout will not occur at the facility.

14) Potential to Emit (PTE) Calculations

PTE calculations must be submitted with this application. If there are questions on calculating the potential emissions associated with biodiesel 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.

15) Manufacturers Specifications

Attach the manufacturer's specifications for each emission unit listed in vapor recovery system and/or control equipment information. Select the box to indicate it has been done.

16) Additional Information

Please include any additional information associated with the biodiesel production facility 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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Complete the following ONLY if completing this Section as Part of an Operating Permit Application

17) Actual Operation Rates

Indicate the actual amount of products produced (both liquid and solid) and received in the past year as well as the maximum annual amount produced and received in the previous five years.

18) Actual 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 biodiesel 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.

19) Additional Information

Please include any additional information associated with the biodiesel production facility 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.