

INSTRUCTIONS: SECTION 2.0 – PERMIT BY RULE: Asphalt Plants

IMPORTANT: Please make sure you do NOT use pencil to fill out the entire application. Make sure you sign and date the application as well. Please contact the Nebraska Department of Environment and Energy (NDEE) by email at NDEE.airquality@nebraska.gov or the Air Program at 402-471-2186.

PART 2.1 – NOTICE OF INTENT: Asphalt Plants

For all the questions, check either yes, no, or not applicable (N/A) to each question indicating the correct response as it applies for your facility and/or asphalt plant. The numbers in the lower right-hand corner of each question refer to the location in Title 129, Chapter 42 in which the question content came from. Some of the questions have brief explanations below. A letter will precede the questions with explanations. The letter corresponds to the explanation. Please contact the NDEE by email at ndee.airquality@nebraska.gov or the Air Program at 402-471-2186.

- a) An Example: You have an Asphalt Plant that is permitted by the Nebraska Department of Environmental Quality under Title 129, Chapter 42: Permit-by-Rule. You will use diesel fuel in the amount of 75,000 gallons per month and 250,000 gallons per year. It is easier for your facility to monitor this fuel usage by recording how many hours the generators will operate. The generators at your facility use a total of 100 gallons of diesel fuel per hour (write the total generator fuel intake in gallons/hr in the boxes labeled Total Generator Fuel Intake, there are two separate boxes). Complete the calculations to determine the Maximum Operation hours the generators can operate.

$$75,000 \text{ gallons/month} \times \frac{1}{\boxed{100}} = \boxed{750}$$

Total Generator Fuel Intake (gal/hr)

Max. Operating Hours per Month

$$250,000 \text{ gallons} \times \frac{1}{\boxed{100}} = \boxed{2500}$$

Total Generator Fuel Intake (gal/hr)

Max. Operating Hours per Year

The maximum operating times are based on all of the generators at the facility. The total amount of time each generator is operated should be added together and not exceed the maximum operating times calculated. For example, if you have two generators, one is operated for 50 hours one month and the second is operated for 100 hours the same month, you are in compliance with this condition because your total operating hours (150) is less than 750.

- b) Title 129, Chapter 32 – Dust; Duty to Prevent Escape of, Sections 001 and 002

001 Handling, Transportation, Storing. No person may cause or permit the handling, transporting or storage of any material in a manner which may allow particulate matter to become airborne in such quantities and concentrations that it remains visible in the ambient air beyond the premises where it originates.

002 Construction, Use, Repair, Demolition. No person may cause or permit a building or its appurtenances or a road, or a driveway, or an open area to be constructed, used, repaired or demolished without applying all such reasonable measures to prevent particulate matter from becoming airborne so that it remains visible beyond the premises where it originates. The Director may require such reasonable measures as may be necessary to prevent particulate matter from becoming airborne, including but not limited to paving or frequent cleaning of roads, driveways and parking lots; application of dust-free surfaces; application of water; and the planting and maintenance of vegetative ground cover.

PART 2.2 – AIR EMISSIONS TESTING: Asphalt Plants

Air Emissions Test Results shall be submitted for the EXACT unit you (plan to) operate. Answer the first two questions accordingly.

If Testing Has Been Performed:

- 1) Enter the name of the Testing Company that performed the Air Emissions Test
- 2) Enter the mailing address of the Testing Company
- 3) Enter the city where the Testing Company is located
- 4) Enter the state where the Testing Company is located
- 5) Enter the zip code of the Testing Company
- 6) Provide the phone number of the Testing Company. If there are questions concerning the air emissions test, the Department may use this to obtain answers.
- 7) Provide an email address or website of the manufacturer. If there are questions concerning the air emissions test, the Department may use this to obtain answers
- 8) Indicate the EPA Methods used to test the air emissions (e.g. Method 1,2,3,4,5,9,201,202, etc). The EPA Methods are described in 40 CFR Part 60 Appendices.
- 9) "Opacity" means a state which renders material partially or wholly impervious to rays of light and causes obstruction of an observer's view. A certified opacity reader determines the opacity. If your emissions become very visible, you may want to have a certified opacity reader determine whether or not you are in compliance with this condition
- 10) This value will be determined by the stack test.

If Testing has been Performed

A complete copy of the air emissions test results must be sent with your permit-by-rule application. The results should contain calculation sheets, field data sheets, analytical data, and equipment calibrations.

If Testing Has NOT Been Performed

Answer the last two questions if testing has not been performed on your unit. If testing results are not available, you must agree to perform testing and demonstrate compliance with the opacity and PM limitations in Part 2.2, Section 11 in order to be permitted under Title 129, Chapter 42