

INSTRUCTIONS:

Section 5.2: Mineral Processing 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. Contact the Department if this number is unknown.

General Information

- 1) Input the types of rock that are quarried at this facility (examples: gypsum, limestone, etc.).
- 2) Enter the maximum amount of rock that can be handled by the facility if the facility was operating at maximum capacity.
- 3) Enter the maximum amount of rock that has been quarried by this facility within the past five years.
- 4) If this facility has an overall throughput limitation that has been established in a federally enforceable construction permit (e.g., a limitation on how much rock the facility can quarry in one year), indicate what the throughput limitation is. If there is not a limit imposed on this facility, select the N/A box.

Receiving and Shipping Information

- 5) Indicate the number of dump pits and/or loadout spouts that exist at the facility. If your facility will receive or ship rock via a method that is different than truck or rail, please contact the Department.
- 6) For each dump pit and loadout spout, list each unit associated with the operations (by unit name) and select the proper descriptions that reflect the configuration of the unit. If more than five dump pits and loadout spouts exist at the facility, then multiple Section 5.2 forms should be completed in order for all unloading and loadout units to be accounted for.
- 7) Indicate the percentages of rock that are **received** via the methods listed. If the facility will receive rock via a method other than by truck or rail, indicate the method after "Other" and enter the appropriate percentages.
- 8) Indicate the percentages of rock that are **shipped** via the methods listed. If the facility will ship rock via a method other than by truck or rail, indicate the method after "Other" and enter the appropriate percentages.

9) 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 eight (8) permanent storage units currently exist, then multiple Section 5.2 forms (page 2) should be completed for the facility in order for all permanent storage units to be accounted for. If open storage piles are/will be used for storage, complete Section 7.5 for each storage pile.

INSTRUCTIONS (continued):

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10) Rock Processing Operations

For each process/operation listed, indicate the number of stations that exist at the facility. Next, provide the maximum amount of rock that has been processed by that operation in the past five years and the average amount of rock that has been processed by that operation in the past five years.

If this facility will not have rock processing operations, select the N/A box located in the section title.

11) Final Product Information

Indicate each final product that is produced at this facility. Also provide the maximum amount of each product that has been produced in the past five years and the average amount of each product that has been produced in the past five years.

12) Current Operating Limitations

If there are currently operating limitations on this facility or on individual emission units at this facility, 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. Some examples of limitations could be hourly restrictions or rock throughputs on your crushers.

If there are currently no operating limitations on this facility, select the N/A box located to the section title.

13) New Source Performance Standard (NSPS) Applicability

This mineral processing facility may be subject to an NSPS subpart. Select the subpart this unit 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.

14) PTE Calculations for Mineral Processing Operations

Submittal of Potential to Emit (PTE) calculations with this permit application is required. If there are questions on calculating the potential emissions associated with the mineral processing operations, 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) Additional Information

Please include any additional information associated with the mineral processing 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 sections only if submitting an Operating Permit Application.

16) Total Rock Quarried

Indicate the amount of rock quarried at this facility for the past five years. Be sure the quantities are in units of tons/year.

17) Actual Emissions for Mineral Processing Operations

If you are applying for an operating permit (initial or renewal) submitting actual emission calculations with this permit application is required. If there are questions on calculating the actual emissions associated with the mineral processing operations, contact the Department. The Department may be able to send you electronic spreadsheets for ease in calculating the actual emissions. Select the box to indicate it has been done.

18) Additional Information

Please include any additional information associated with the mineral processing 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.