

**NOTICE OF APPLICATION
FOR
AIR QUALITY CONSTRUCTION PERMIT**

The South Dakota Department of Environment and Natural Resources (DENR) received and reviewed the application for an air quality construction permit for the following applicant:

APPLICANT NAME: Ring-Neck Energy and Feed, LLC

FACILITY LOCATION: Onida, South Dakota

The air quality construction permit will allow the construction and operation of the following processes and units:

1. Unit #1: Grain receiving, grain transfer, and storage bin loading. The grain is received in 2 truck receiving pits and 1 rail receiving pit and is transferred to grain storage. Grain cleaning. Elevator legs transport the grain from the storage bins to a grain scalper and transport the cleaned grain to a surge bin. The unit's maximum operating rate is 20,000 bushels of grain per conveyor, elevator, and grain cleaning controlled by baghouse.
2. Unit #2: Grain milling. An elevator leg transports the grain from the surge bin to one of four hammer mills with a maximum operating rate of 1,500 bushels of grain per hour per hammermill controlled by a baghouse.
3. Unit #3: Fermentation process. This process includes six fermenters and a beer well. Each Fermenter is 1,050,000 gallons and the beer well is 1,370,000 gallons controlled by a wet scrubber.
4. Unit #4: Distillation process. This process includes a slurry tank, two liquefaction tanks, flash tank, cook tank, yeast tank, beer stripper, side stripper, rectifier column, molecular sieve, evaporator, and condenser with a maximum operating rate of 100 million gallons of denatured ethanol per year. Whole stillage and centrate stillage tank, four centrifuges, and syrup tank with a maximum operating rate of 185 gallons per minutes per centrifuge. Two distillers grain and solubles dryers. The dryers are fired with natural gas or propane with a maximum operating rate of 45 million British thermal units per hour for each dryer. All controlled by a regenerative thermal oxidizer.
5. Unit #4b: Regenerative Thermal Oxidizer. The system is fired with natural gas with a maximum operating rate of 18 million British thermal units per hour.
6. Unit #5: A submerged truck and two rail loading racks with a maximum operating rate of 600 gallons per minute for truck loading and 1,000 gallons per minute for railcar loading controlled by a flare.
7. Unit #5b: Flare fired with natural gas and a maximum operating rate of 12.4 British thermal units per hour.
8. Unit #6: Boiler fired with natural gas or propane and a maximum operating rate of 210 million British thermal units per hour.
9. Unit #7: Dried distillers grain and solubles storage, elevator and load out spout with a maximum operating rate of 318 tons per hour controlled by a baghouse.
10. Unit #9: Cooling tower with a maximum operating rate of 38,900 gallons per minute.

11. Unit #10: Cooling Cyclone with a maximum operating rate of 36.7 tons per hour controlled by a baghouse.
12. Unit #11: Emergency fire pump with a maximum operating rate of 300 horsepower.
13. Unit #12: Storage Tank T61 equipped with an internal floating roof. This tank is used to store a maximum of 1,500,000 gallons of denatured ethanol.
14. Unit #13: Storage Tank T62 equipped with an internal floating roof. This tank is used to store a maximum of 1,500,000 gallons of denatured ethanol.
15. Unit #14: Storage Tank T63 equipped with an internal floating roof. This tank is used to store a maximum of 200,000 gallons of denaturant.
16. Unit #15: Storage Tank T64 equipped with an internal floating roof. This tank is used to store a maximum of 200,000 gallons of 200- proof ethanol.
17. Unit #16: Storage Tank T65 equipped with an internal floating roof. This tank is used to store a maximum of 200,000 gallons of 200-proof ethanol.

A review of the application indicates Ring-Neck Energy and Feed, LLC can construct and operate the ethanol production facility in compliance with South Dakota's Air Pollution Control rules and the federal Clean Air Act. DENR, therefore, recommends the Board of Minerals and Environment issue an air quality construction permit to Ring-Neck Energy and Feed, LLC with conditions to ensure compliance with South Dakota Codified Laws (SDCL) 34A-1 and the federal Clean Air Act.

In accordance with the Administrative Rules of South Dakota (ARSD) 74:36:20:11, any person desiring to comment on DENR's draft permit conditions must submit written comments to the address below by close of business on the thirtieth day of this public notice. Comments may be directed to the following mailing address: Teresa Williams; PMB 2020; Department of Environment and Natural Resources; 523 East Capitol; Pierre, South Dakota 57501. DENR will consider and address all comments submitted and issue a final permit decision pursuant to ARSD 74:36:20:13. DENR will notify the applicant and each person that requested notice or submitted written comments of DENR's final permit decision, including notification of any changes to the permit based on the comments.

Any person desiring to contest the issuance of this permit and have a contested case hearing must file a petition, which complies with ARSD 74:09:01:01. This petition must be filed either by close of business on the thirtieth day of this public notice or, if that person submits comments on DENR's draft permit pursuant to the paragraph above, within thirty days of receiving notice of DENR's final permit decision. Upon receipt of a petition, DENR will schedule this matter for a contested case hearing before the Board of Minerals and Environment.

If no comments or objections are received by close of business on the thirtieth day of this public notice, the draft permit becomes the final permit decision and the permit will be issued.

Copies of DENR's draft permit conditions and other information may be obtained from Teresa Williams, at the above address or telephone at (605) 773-3151 or the One-Stop Public Notice Page at:

<http://denr.sd.gov/public/>



Steven M. Pirner, Secretary
Department of Environment and Natural Resources

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