

**NOTICE OF APPLICATION
FOR
TITLE V AIR QUALITY OPERATING PERMIT RENEWAL AND MODIFICATION**

The South Dakota Department of Environment and Natural Resources (DENR) has received and reviewed the application for a Title V air quality operating permit for the following applicant:

APPLICANT NAME: South Dakota Soybean Processors

FACILITY LOCATION: Volga, South Dakota

The Title V air quality operating permit will allow the operation of the following processes and units along with the modification to incorporate the air quality construction permits into the Title V permit:

1. Unit #1: Truck and railcar soybean receiving system consists of two truck receiving pits, a rail car receiving pit, and an underground belt conveyor system with a maximum operating rate of 2,700 tons per hour controlled by a baghouse;
2. Unit #2: Soybean handling, storage, and cleaning process consists of a scalper, de-stoner, hammer mill, and the transfer of soybeans to storage bins. The transfer system consists of the transfer of soybeans from the pre-cleaning building to storage bins, storage bins to dryer, and dryer to day tanks with a maximum operating rate of 15 tons per hour controlled by a baghouse;
3. Unit #3: 1995 Berico soybean dryer system fired with natural gas with a maximum process rate 126 tons per hour and a heat input of 20.4 million Btus per hour controlled by a cyclone;
4. Unit #4: Soybean screened and cleaned with aspiration, each with a separate process cyclone with a maximum operating rate of 2,662 tons per day controlled by a baghouse;
5. Unit #5: Soybean cracking process consists of four Roskamp cracking mills, transportation system, and a process cyclone with a maximum operating rate of 2,636 tons per day controlled by a baghouse;
6. Unit #6: Primary soybean de-huller operation with aspirators and a process cyclone with a maximum operating rate of 2,535 tons per day controlled by a baghouse;
7. Unit #18: Coarse soybean de-huller operation with aspiration and a process cyclone with a maximum operating rate of 270 tons per day controlled by a baghouse;
8. Unit #47: Fines soybean de-huller operation with aspiration with maximum operating rate of 149 tons per day controlled by a baghouse;
9. Unit #8: Six 1995 Roskamp and two 1999 Roskamp flakers with a maximum operating rate of 2,511 tons per day controlled by a cyclone;
10. Unit #21: Flake expanding process. The process consists of flakes and fines exposed to steam and pressure to form a collet and transportation to the extraction process with a maximum operating rate of 1,399 tons per day. A Cyclone (P65) collects the product;
11. Unit #14: Desolventizer, toaster, dryer, and cooler system with a maximum operating rate of 2,551 tons per day controlled by a cyclone;

12. Unit #9: Roskamp Champion meal sizing process. The meal sizing process involves two grinders and two sifters with a maximum operating rate of 2,000 tons per day controlled by a baghouse;
13. Unit #12: Meal handling and storage consisting of conveyors, blenders, and storage tanks with a maximum operating rate of 2,295 tons per day controlled by a baghouse;
14. Unit #10: Two 1995 Champion hull grinders and a process cyclone used to convey hull to storage tanks with a maximum operating rate of 147 tons per day controlled by a baghouse;
15. Unit #20: Hull pelletizer and cooler with a maximum operating rate of 180 tons per day controlled by a baghouse;
16. Unit #13: Pneumatic transfer of ground hulls from receiving and hull grinding to two hull storage bins and pneumatic transfer of ground hulls from receiving and hull grinding to two hull storage bins each with a maximum operating rate of 9 tons per hour all controlled by a baghouse.
17. Unit #11: Meal and hull load out using one truck load out and one railcar load out. Both loadout areas have a cover with a maximum operating rate of 2,146 tons per day controlled by a baghouse;
18. Unit #22: Refining additive system. Clay, trycil and diatomaceous earth delivered in bulk material bags and is gravimetrically feed to the feed bins with a maximum operating rate of 1.5 tons per hour controlled by a baghouse;
19. Unit #15: Boiler A, 1996 Nebraska boiler fueled with natural gas, distillate oil, and biodiesel and Boiler B, 1996 Nebraska boiler fueled with natural gas, distillate oil, and biodiesel each with a maximum operating rate of 70 million Btus per hour heat input;
20. Unit #17: Cooling tower;
21. Unit #48: Mineral oil and miscella exchanger system; waste water extractor system; and a second stage evaporator, oil stripper, and evaporator and stripper condensers controlled by a mineral oil scrubber;
22. Unit #49: Cooling tower for deodorizing process with a maximum operating rate of 2,500 gallons per minute;
23. Unit #50: High pressure steam generator with a maximum operating rate of 5.17 million Btus per hour heat input;
24. Unit #51: 1996 Cummins, Model number 4BT3.9-G2, diesel fired, emergency generator with a maximum operating rate of 102 horsepower; and
25. Unit #52: 1996 Detroit Diesel, Model Number: DDFP06FA, diesel fired, emergency fire pump with a maximum operating rate of 368 horsepower.

A review of this application indicates South Dakota Soybean Processors can operate the soybean oil production facility in compliance with South Dakota's Air Pollution Control rules and the federal Clean Air Act. DENR, therefore, recommends that the Board of Minerals and Environment issue a Title V air quality operating permit to South Dakota Soybean Processors 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) 74:36:05:17, 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; Division of Environmental Services; 523 East Capitol, Pierre, South Dakota 57501. DENR will consider and address all comments submitted and issue a final permit decision pursuant to ARSD 74:36:05:18. 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 proposed permit will be submitted to EPA for review.

Copies of DENR's draft permit conditions and other information may be obtained from Teresa Williams, at the above address, 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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