

**NOTICE OF APPLICATION
FOR
TITLE V AIR QUALITY OPERATING PERMIT**

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 State University

FACILITY LOCATION: Brookings, South Dakota

The Title V air quality operating permit will allow the operation of the following processes and units:

1. Unit #2 - Boiler #5 – 1960 Babcock & Wilcox steam boiler with spreader stoker dump grates, model #FP-18-N44, fired with bituminous coal and natural gas. The maximum design capacity of the unit is 50.0 million Btus per hour heat output. The boiler is equipped with a mechanical collector, a 1992 Zurn cyclone and a 1992 Zurn pulse jet type baghouse;
2. Unit #3 - Boiler #6 – 1968 Babcock & Wilcox steam boiler with spreader stoker dump grates, model #FP-18-NAA, fired with bituminous coal and natural gas. The maximum design capacity of the unit is 50.0 million Btus per hour heat output. The boiler is equipped with a mechanical collector, a 1992 Zurn cyclone and a 1992 Zurn pulse jet type baghouse;
3. Unit #5 - Boiler #8 – 1999 Johnston steam boiler, model #PFTA-1500-4LG150S, fired with natural gas and distillate oil. The maximum design capacity of the unit is 1,500 horsepower. The boiler is equipped with a low nitrogen oxide burner; and
4. Unit #6 - 1994 ADR Advanced Combustion Systems single chambered incinerator, model #CA-1000, fired with natural gas. The incinerator is rated at 200 pounds per hour and is used to dispose of medical waste primarily made up of animal tissue;
5. Unit #7 - Boiler #9 – 2012 Victory Energy steam boiler, model D Type Water Tube DT-3-64, equipped with a low NOx burner and flue gas recirculation. The unit is fired with natural gas and distillate oil. The maximum design capacity of the unit is 76.2 million Btu per hour heat input;
6. Unit #8 - Boiler #10 – 2012 Victory Energy steam boiler, model D Type Water Tube DT-2-44, equipped with a low NOx burner and flue gas recirculation. The unit is fired with natural gas and distillate oil. The maximum design capacity of the unit is 41.1 million Btu per hour heat input;
7. Unit #9 - Administration East – 2011 Generac emergency generator fired with natural gas. The maximum design capacity of the unit is 150 kilowatts;
8. Unit #10 - Administration West – 2011 Generac emergency generator fired with natural gas. The maximum design capacity of the unit is 170 kilowatts;
9. Unit #13 - Animal Science Complex #2 – 2013 Generac emergency generator fired with diesel. The maximum design capacity of the unit is 60 kilowatts;
10. Unit #15 - Daktronics Engineering Hall #1 – 2008 Yamaha emergency generator fired with natural gas. The maximum design capacity of the unit is 3.5 kilowatts;

11. Unit #16 - Daktronics Engineering Hall #2 – 2008 Yamaha emergency generator fired with natural gas. The maximum design capacity of the unit is 6 kilowatts;
12. Unit #17 - Daktronics Engineering Hall #3 – 2008 Kohler emergency generator fired with natural gas. The maximum design capacity of the unit is 12 kilowatts;
13. Unit #18 - Daktronics Engineering Hall #4 – 2010 Kohler emergency generator fired with natural gas. The maximum design capacity of the unit is 15 kilowatts;
14. Unit #19 - Facilities and Services – 1989 Kohler emergency generator fired with diesel. The maximum design capacity of the unit is 200 kilowatts;
15. Unit #25 - SDSU UPD & Stadium – 2014 Caterpillar emergency generator fired with diesel. The maximum design capacity of the unit is 200 kilowatts;
16. Unit #26 - Swine Unit – 2016 MTU Onsite Power emergency generator fired with diesel. The maximum design capacity of the unit is 80 kilowatts; and
17. Unit #27 - Cow/Calf Unit – 2013 Kohler emergency generator fired with diesel. The maximum design capacity of the unit is 62 kilowatts.

A review of this application indicates South Dakota State University can operate the boilers, incinerator and emergency generators 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 State University 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>

A handwritten signature in black ink, appearing to read 'S. Pirner', with a horizontal line extending to the right.

Steven M Pirner, Secretary
Department of Environment and Natural Resources

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