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BEFORE THE  
STATE OF WISCONSIN  
DEPARTMENT OF NATURAL RESOURCES

In the Matter of Establishing Sulfur                    )  
Dioxide Emission Limitations for Southern        ) 86-252012530-J01 ORDER  
Wisconsin Center - Union Grove Central            )  
Heating Plant, 21425 Spring Street,                )  
Union Grove, Wisconsin 53182                        )

FINDINGS OF FACT, CONCLUSIONS OF LAW AND ORDER

FINDINGS OF FACT

The Department of Natural Resources, hereinafter DNR, finds that:

1. Southern Wisconsin Center - Union Grove Central Heating Plant is located at 21425 Spring Street in Union Grove, Wisconsin.
2. Southern Wisconsin Center - Union Grove Central Heating Plant operates the following direct source(s) capable of emitting sulfur dioxide at this location:  
  
Stack S10, Boiler B20: A 57.8 MMBTU/hr steam generating unit.  
Stack S11, Boiler B21: A 57.8 MMBTU/hr steam generating unit.  
Stack S12, Boiler B22: A 57.8 MMBTU/hr steam generating unit.  
Stack S13, Boiler B23: A 20.9 MMBTU/hr steam generating unit.
3. Section NR 154.12(11), Wis. Adm. Code, establishes statewide sulfur dioxide emission limitations in order to ensure that all areas in Wisconsin will attain the National Ambient Air Quality Standards for sulfur dioxide by December 31, 1987.
4. Section NR 154.12(11)(d), Wis. Adm. Code, states that the DNR may require a source to meet a more restrictive emission limitation than the categorical emission limitations which would otherwise be applicable under sec. NR 154.12(11)(b) or (c), Wis. Adm. Code, if the DNR determines that a more restrictive emission limitation is required to ensure that the source will not cause or exacerbate a violation of an ambient air quality standard or air increment for sulfur dioxide.
5. The DNR has determined that more restrictive emission limitations are required to ensure that Southern Wisconsin Center will not cause or exacerbate a violation of an ambient air quality standard or air increment for sulfur dioxide.

CONCLUSIONS OF LAW

The DNR concludes that:

1. The DNR has the authority under sec. 144.31(1), Stats., to promulgate rules to establish emission limitations.
2. The operation of direct source(s) of sulfur dioxide by Southern Wisconsin Center is subject to the limitations contained in sec. NR 154.12(11), Wis. Adm. Code.

3. The DNR has the authority under sec. NR 154.12(11)(d), Wis. Adm. Code, to establish a more restrictive sulfur dioxide emission limitation than the categorical emission limitations.
4. The DNR has the authority under sec. 144.31(2)(b), Stats., to issue this administrative order.
5. The issuance of this administrative order is reasonable and necessary to accomplish the purposes of secs. 144.30 to 144.426, Stats., and sec. NR 154.12(11), Wis. Adm. Code.

ORDER

It is therefore ordered that Southern Wisconsin Center - Union Grove Central Heating Plant shall meet the following emission limitation(s) by December 31, 1987:

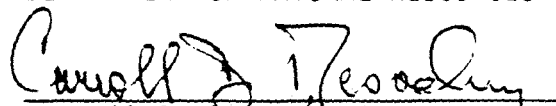
- a. Stack S10, Boiler B20: 0.426 pounds of sulfur dioxide per million BTU heat input to any stack.
- b. Stack S11, Boiler B21: 0.426 pounds of sulfur dioxide per million BTU heat input to any stack.
- c. Stack S12, Boiler B22: 0.426 pounds of sulfur dioxide per million BTU heat input to any stack.
- d. Stack S13, Boiler B23: 0.426 pounds of sulfur dioxide per million BTU heat input to any stack.
- e. The maximum simultaneous operating heat input rate of boilers B20, B21, B22 and B23 shall be restricted to 116.0 MMBTU per hour.

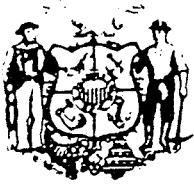
NOTICE

This administrative order is effective immediately unless a petition for a contested case hearing for administrative review of this order is filed with the DNR under sec. 144.403, Stats., within 30 days after the date of this order. Any petition for a hearing should name the Wisconsin Department of Natural Resources as respondent. The petition must set forth specifically the issue sought to be reviewed, the interest of the petitioner, the reasons why a hearing is warranted and the relief desired. This notice is provided pursuant to sec. 227.48(2), Stats., (as renumbered by 1985 Wisconsin Act 182).

Dated at Madison, Wisconsin this 29<sup>th</sup> day of September, 1986.

STATE OF WISCONSIN  
DEPARTMENT OF NATURAL RESOURCES

  
Carroll D. Besadny, Secretary



State of Wisconsin

DEPARTMENT OF NATURAL RESOURCES

(NN)

Carroll D. Besadny  
Secretary

BOX 7921  
MADISON, WISCONSIN 53707

September 24, 1986

IN REPLY REFER TO: 4530

Mr. George Wade  
Southern Wisconsin Center  
for the Developmentally Disabled  
21425 Spring Street  
Union Grove, WI 53187

RE: Statewide Sulfur Dioxide Rule  
Section NR 154.12(11), Wis. Adm. Code

Dear Mr. Wade:

Since 1985, the Department has been in contact with facilities concerning compliance with the statewide sulfur dioxide rule, which became effective February 1, 1985. More recently, you have been notified of modeling performed to determine the emission limitations your source will be required to meet to ensure attainment of the sulfur dioxide ambient air quality standards.

Based upon the results of that modeling, Southern Wisconsin Center submitted compliance plans on September 5, 1986. The Department of Natural Resources, Southeast District Air Management Section has reviewed these plans, and approval of these plans is hereby granted subject to the following conditions:

1. That all fuel oil fired at the Southern Wisconsin Center have a sulfur content which will result in a sulfur dioxide emission rate of less than 0.426 lbs. of sulfur dioxide per MMBTU input.
2. That each load of fuel oil received by the Southern Wisconsin Center be sampled and analyzed for sulfur content and heating value. The sampling and analysis may be performed by either the supplier or by the Southern Wisconsin Center.
  - a. That ASTM D4057, Sampling Petroleum and Petroleum Products, be used to sample the oil.
  - b. That ASTM D240, Heat of Combustion of Liquid Hydrocarbon Fuels by a Bomb Calorimeter, be used to determine heat value of the fuel oil.
  - c. That ASTM D129, Sulfur in Petroleum Products (General Bomb Method), be used to determine sulfur content.
  - d. That these sampling and analysis records be kept on file and available for inspection for a minimum of five years.

3. That the maximum simultaneous operating heat input rate of boilers B20, B21, B22, and B23 be restricted to 116.0 MMBTU/hr.
4. That daily boiler operating records be maintained to document compliance with the 116.0 MMBTU/hr operating restriction.

Please be advised that under existing rules, sec. NR 154.06(2) and (5), Wis. Adm. Code, a source can be requested to perform a stack test to determine whether a violation of emission limitations is occurring, regardless of a source's compliance status as determined by the source's site specific compliance methodology in the approved plan.

The Department may further modify or rescind this approval because of any future administrative rule changes, failure to comply fully with the conditions of this approval, or other reasons which justifies modification or rescission of the approval.

Since the emission limitations for Southern Wisconsin Center are more restrictive than the categorical emission limitations contained in sec. NR 154.12(11), Wis. Adm. Code, it is necessary for the Department to establish the more restrictive limitations through a legally binding mechanism. This could be accomplished through issuance of your mandatory operation permit, or through issuance of an administrative order. Because the issuance date of Southern Wisconsin Center's mandatory operation permit is presently uncertain, the Department has chosen to issue an administrative order to establish the more restrictive limitations. A copy of that administrative order is attached. In summary, the order restates the more restrictive limitations that have previously been developed and thus the limitations which Southern Wisconsin Center is now required to meet.

If you have any questions or comments concerning this matter, please feel free to contact Steve Harton at (414) 562-9585.

#### NOTICE OF APPEAL RIGHTS

Any person aggrieved by this decision may seek a contested case hearing by serving a petition for hearing, in accordance with the provisions of sec. 144.403, Stats., on the Secretary of the Department of Natural Resources within 30 days after the date of this decision. This notice is provided pursuant to sec. 227.48(2), Stats.\*, and should not be construed as an indication that the Department believes that any person has a right to appeal this decision.

\*This citation has been renumbered as the result of 1985 Wisconsin Act 182, published April 21, 1986.

Sincerely,



Donald F. Theiler, Director  
Bureau of Air Management

DFT:BG:p1/9184Q

Attachment

cc: Ralph Patterson - AM/3  
Brian Galley - AM/3  
Tom Steidl - LC/5