

DEPARTMENT OF NATURAL RESOURCES
**Construction Permit
 For Air Emission Source**

Permit Holder

Firm: Monsanto Co.

Responsible Party:

Contact:

J.C. Fowler
 Env. Specialist

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 Env. Specialist

319-262-7218

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Box 473
 Muscatine, IA 52761

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Source

Source:

Boiler #7

Control Equipment:

None

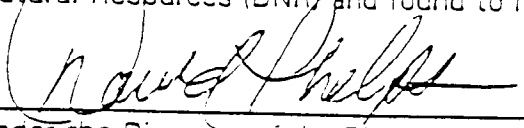
Location:

2500 Wiggins Rd. Muscatine, IA 52761

Plant Number: 70-01-008

Project Number: 96-219

This equipment has been evaluated for conformance with rule(s) 567 Iowa Administrative Code (IAC) 22.3(1), 567 IAC 23.3(2)"b", and 567 IAC 23.3(3)"b" of the Department of Natural Resources (DNR) and found to have the potential to comply.



Under the Direction of the Director of
 the Department of Natural Resources.

July 18, 1996 76-A-161
 Date Original Permit Number

Modification	Description	Date	Permit Number
1	Changes in operating conditions.	March 9, 1992	76-A-161S1
2	Changes to operating conditions.	Aug. 30, 1995	76-A-161S2
3	Changed back-up fuel.	July 18, 1996	76-A-161S3

the scheduled relocation if the relocation will cause a violation of the National Ambient Air Quality Standards. In such case, a supplemental permit shall be required prior to the initiation of construction of additional control equipment or equipment modifications needed to meet the standards.

10. Compliance Testing Requirements (continued)

If specified above, the owner shall verify compliance with the emission limitations contained in Permit Condition 9 within sixty (60) days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

The tests shall be conducted with the equipment operating in a manner representative of full rated capacity. Failure to test at this maximum may be cause to limit the source to operating at the level at which the compliance tests were conducted.

The following shall apply to all compliance tests:

- A. Each test to be conducted shall be approved by the DNR.
- B. Unless otherwise specified by the DNR, each test shall consist of three (3) separate runs. The duration shall be established by the DNR at the pretest meeting. The arithmetic mean of the three acceptable test runs shall apply for compliance, unless otherwise approved by the DNR.

A pretest meeting shall be held at a mutually agreeable site no less than fifteen (15) days prior to the date of each test. Each meeting shall be attended by representatives of the DNR, the owner, and the testing firm, if any. It is the responsibility of the owner to coordinate and schedule each meeting.

The DNR reserves the right to impose additional, different, or more detailed testing requirements. It shall be the responsibility of the owner to install test ports.

11. Source Emission Characteristics

<u>Stack Height</u>	<u>Size</u>	<u>Temperature</u>	<u>Flowrate</u>
80 ft	4.5 ft	356 °F	26800 scfm

NOTE: Stack is unobstructed and vertical.

12. Operating Limits

Operating limits for this source shall be:

- A. The fuel oil firing rate for the B-7 boiler shall not exceed an average of:
 - 1.) 650 gal/hr for any calendar day during which the B-6 boiler is burning fuel oil
 - or 2.) 865 gal/hr during any calendar day during which the B-6 boiler is not burning fuel oil.
 - B. The maximum sulfur content of the fuel oil burned shall not exceed 0.5%.
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13. Operating Condition Monitoring

All records, as required below, shall be satisfactory for demonstrating compliance with all applicable operating limits.

Records shall be maintained on site for three (3) years and available for inspection upon request by representatives of the Department of Natural Resources. These records shall show the following:

- A. The amount of fuel oil burned each calendar day in the B-7 boiler.
 - B. Hours of operation for the B-6 and B-7 boilers when burning fuel oil.
 - C. The sulfur content and type of fuel burned in the B-7 boiler.
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14. Continuous Emission Monitoring

Continuous emission monitoring shall not be required at this time.

END OF PERMIT CONDITIONS