# Iowa Department of Natural Resources
# Construction Permit
# For Emission Source

## Permit Holder

Firm: Grain Processing Corporation

Responsible Party:

Carl Hayden
Senior Vice President

(319) 264-4638

Grain Processing Corporation
1600 Oregon Street
Muscatine, Iowa 52761

Contact:

Douglas J. LaFayette
Environmental Coordinator

(319) 264-4702

Grain Processing Corporation
1600 Oregon Street
Muscatine, Iowa 52761

## Source

Source: GPC Source No. 126 — Wet Milling, No 4 Germ Drier
Davenport Machine 8 x 50

Control Equipment: Cyclone

Location: Grain Processing Corporation
1600 Oregon Street
Muscatine, Iowa

DNR Project: 95-266
Plant No. 70-01-004

This equipment has been evaluated for conformance with rule 567 — 22.3(1) of the Iowa Department of Natural Resources and found to have the potential to comply.

Christine Sorensen
Under the Direction of the Director of the Department of Natural Resources

September 18, 1995
Date

79-A-195-S
Permit Number

# PERMIT CONDITIONS

The owner of the facility shall assure that the installation and operation and maintenance of this facility is in compliance with all of the following conditions.

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## 1. Departmental Review

This permit is issued based on information submitted by the applicant. **Any misinformation, false statements or misrepresentations by the applicant shall cause this permit to be void. In addition, the applicant may be subject to criminal penalties according to the Iowa Code Section 455B.146A.**

This permit is issued under the authority of the Iowa Administrative Code (IAC) 567-22.3. The proposed equipment has been evaluated for conformance with Iowa Code Chapter 455B; IAC Chapters 20-30; and 40 C.F.R. Part 60 and has the potential to comply.

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. This Department assumes no liability, directly or indirectly, for any loss due to damage to persons or property caused by, resulting from, or arising out of the design, installation, maintenance or operation of the proposed equipment.

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## 2. Construction

This permit shall become void if construction of the proposed project has not been started within eighteen (18) months after the date of the issuance of this permit and completed within (30) months after issuance of this permit.

It is the owner's responsibility to ensure that construction conforms to the plans and specifications and that adequate operation and maintenance is provided to ensure that no condition of air pollution is created. Any changes made in the final plans and specifications of the proposed equipment shall require a supplemental permit.

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## 3. Transferability

This permit is not transferable from one piece of equipment to another, nor from one location to another, unless the equipment is portable. When portable equipment for which a permit has been issued is to be transferred from one location to another, the Department shall be notified in writing at least thirty (30) days prior to transferring to the new location. The owner will be notified at least ten (10) days prior to the scheduled relocation if the relocation will cause a violation of the National Ambient Air Quality Standards. In such case a supplemental permit will be required for additional control equipment or equipment modifications needed to meet the standards.

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## 4. Owner Responsibility

Issuance of this permit shall not relieve the owner of the responsibility to comply with provisions of the state implementation plan (SIP) and with the provisions of local, state, and federal laws, regulations, ordinances, and other requirements applying to this installation.

## 5. Disposal of Contaminants

Ultimate disposal of the air contaminant(s) collected by the control equipment shall meet all applicable rules administered by this Department.

## 6. Initial Compliance Testing

| Pollutant | Testing Required | Test Method |
|---|---|---|
| TSP | No | N/A |
| $PM_{10}$ | No | N/A |
| Opacity | No | N/A |
| $SO_x$ | No | N/A |
| $NO_x$ | No | N/A |
| VOC | No | N/A |
| CO | No | N/A |

N/A = Not Applicable

## 7. Excess Emissions

Excess emissions during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if it is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. **An incident of excess emissions other than the above is a violation and may be subject to criminal penalties according to Iowa Code 455B.146A.** If excess emissions are occurring, either the control equipment causing the excess shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it in a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. A variance from this subrule may be available as provided for in Iowa Code Section 455B.143.

8. Emission Limits

Emissions shall not exceed the following:

| Pollutant | lbs/hr | grain/SCF | tons/year |
|---|---|---|---|
| TSP | 2.97 | 0.1 | N/A |
| PM10 | N/A | | N/A |
| $SO_2$ | 0.53 | | N/A |
| $NO_x$ | N/A | | N/A |
| VOC | N/A | | N/A |
| CO | N/A | | N/A |

N/A = Not Applicable

9. Operating Limits

It shall be acceptable for this drier to be operated 8760 hours per year.

10. Source Emission Characteristics

Emission Point

Beginning December 9, 1995, the source shall be connected to the stack as designated below:

| Height | Rated Flowrate | Temperature |
|---|---|---|
| 74 feet | 4,400 acfm | 212 F |

Equipment

Cyclone

## 11. Performance Tests

As specified in Permit Condition 6, the owner shall verify compliance with the emission limitations contained in Permit Condition 8 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.

A pretest meeting shall be held at a mutually agreeable site no less than thirty (30) days prior to the date of each test. Each meeting shall be attended by representatives of the DNR central office, the owner and the testing firm, if any. It is the responsibility of the owner to coordinate and schedule each meeting.

The Department reserves the right to impose additional, different, or more detailed testing requirements. It is the responsibility of the owner to locate the test ports to be used during compliance testing.

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## 12. Operating Condition Monitoring

Operating condition monitoring shall not be required at this time.

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## 13. Continuous Emission Monitoring

Continuous emission monitoring equipment shall not be required as part of this permit.

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## 14. Notification, Reporting and Recordkeeping

A. The owner shall furnish the DNR the following written notifications:

(1) The date construction, installation, or alteration is initiated postmarked within seven (7) days following initiation of construction, installation, or alteration.

(2) The date of intended startup at least ten (10) days before the equipment or control equipment involved is placed into operation.

(3) The actual date of startup postmarked within fifteen (15) days following the start of operation.

(4) The date of each compliance test required by Permit Condition 6at least thirty (30) days before the anticipated compliance test date.

14. Notification, Reporting and Recordkeeping

A. The owner shall furnish the DNR the following written notifications: (continued)

(5) The date of each pretest meeting at least fifteen (15) days before the proposed meeting date. The owner shall request a proposed test plan protocol questionnaire at least sixty (60) days prior to each compliance test date. The completed questionnaire shall be received by the DNR at least fifteen (15) days before the pretest meeting date.

(6) Transfer of equipment ownership within 30 days of the occurrence.

(7) Portable equipment relocation at least thirty (30) days before equipment relocation.

B. The owner shall furnish the DNR with the following reports:

(1) Oral

a. Excess emissions in accordance with 567 IAC 24.1.

(2) Written

a. A written compliance demonstration report for each compliance testing event, whether successful or not, postmarked not later than forty-five (45) days after the completion of the test period.

b. Operation of this source outside of those limits specified in Permit Condition 8, and according to the time limits set forth in 567 IAC 24.1.

C. The owner shall send all notifications, reports and correspondence to:

Mr. Peter Hamlin, Chief
Air Quality Bureau
Iowa Department of Natural Resources
Wallace State Office Building
Des Moines, IA 50319-0034

D. The owner shall send correspondence concerning stack testing to:

Mr. David Phelps
Air Quality Bureau
Iowa Department of Natural Resources
Wallace State Office Building
Des Moines, IA 50319-0034

Telephone: (515) 281-8189

**14. Notification, Reporting and Recordkeeping** (continued)

E. All data, records, reports, documentation, construction plans, and calculations required under this permit shall be available at the plant during normal business hours for inspection and copying by federal, state, or local air pollution regulatory agencies and their authorized representatives for a minimum of five (5) years from the date of recording.

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**15. Permit Violations**

Knowingly committing a violation of this permit may carry a criminal penalty of up to $10,000 per day fine and 2 years in jail according to Iowa Code Section 455B.146A.

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## END OF PERMIT CONDITIONS