

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT - REVISED

PERMITTEE

ADM Milling Company  
Attn: Kurt W. Dotson  
1300 West Carroll Avenue  
Chicago, Illinois 60607-1118

Application No.: 73040112

I.D. No.: 031600AWO

Applicant's Designation:

Date Received: November 10, 1999

Subject: Flour Mill

Date Issued: December 10, 1999

Expiration Date: October 4, 2001

Location: 1300 West Carroll Avenue, Chicago

This permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of a wheat receiving, storage and handling process area (one truck dump pit, two railcar dump pits, conveyors, grain elevators and baghouses), wheat cleaning line (conveyors, aspirators and baghouses), wheat milling process (rolls, sifters, purifiers, conveyors, aspirators, mills and baghouses), bulk plant area (conveyors, storage bins and baghouses), flour loadout area (conveyors, scale bins, loadout bins, truck and railcar loading, baghouses and sock filters), packing area (packers, hoppers, sifters, conveyors, cyclones and baghouses), mill feed processing and loadout area (hammer mills, truck loading, railcar loading, conveyors, aspirators and baghouses), central vacuum system equipped with a dust filter and two natural gas fired boilers pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emissions of air pollutants from the source to less than major source thresholds (i.e., 100 tons/yr for particulate matter with an aerodynamic diameter of 10 microns or less (PM-10)). As a result, the source is excluded from the requirements to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit are described in Attachment A.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes all operating permit(s) for this location.
- 2a. Operations and emissions of equipment shall not exceed the following limits:

Wheat Receiving, Storage/Handling and Cleaning: 28,616 tons/month not to exceed 343,392 tons/year

Flour Production: 20,440 tons/month not to exceed 245,280 tons/year

Feed Railcar Loadout: 8,176 tons/month not to exceed 29,433.6 tons/year

Wheat Milling: combined baghouse exhaust air flow rate of 75,000 ft<sup>3</sup>/min and maximum exhaust concentration 0.003 gr/ft<sup>3</sup>

Bulk Plant: combined baghouse exhaust air flow rate of 20,400 ft<sup>3</sup>/min and maximum exhaust concentration 0.003 gr/ft<sup>3</sup>

Flour Loadout: combined baghouse exhaust air flow rate of 1,600 ft<sup>3</sup>/min and maximum exhaust concentration 0.003 gr/ft<sup>3</sup>

Packaging: combined baghouse exhaust air flow rate of 2,400 ft<sup>3</sup>/min and maximum exhaust concentration 0.003 gr/ft<sup>3</sup>

Mill Feed Truck Loadout: combined baghouse exhaust air flow rate of 24,000 ft<sup>3</sup>/min, maximum exhaust concentration 0.003 gr/ft<sup>3</sup>

Central Vacuum: combined baghouse exhaust air flow rate of 3,500 ft<sup>3</sup>/min

b. Wheat Receiving, Storage and Handling Process Area:

<u>Operation</u>	<u>Maximum Material Processed (Tons/Month)</u>	<u>Particulate Matter (PM) Emissions</u>	
		<u>(Lb/Month)</u>	<u>(Tons/Yr)</u>
Receiving	28,616	17.17	0.10
Storage/Handling	28,616	94.43	0.57

These limits are based upon the maximum material processed/received, standard emission factor(s) of 0.06 lb PM/ton for receiving and 0.33 lb PM/ton for storage/handling, minimum control efficiency of 99% and maximum operating time of 365 days/year. As a result of these limits on PM emissions, the emissions of PM-10 are effectively limited to an equal or lesser quantity. Conversion factor used 2,000 lb/ton.

c. Wheat Cleaning Line:

<u>Operation</u>	<u>Maximum Material Processed (Tons/Month)</u>	<u>Particulate Matter (PM) Emissions</u>	
		<u>(Lb/Month)</u>	<u>(Tons/Yr)</u>
Receiving	28,616	28.62	0.17

These limits are based upon the maximum material processed/received, an adjusted standard emission factor(s) of 0.10 lb PM/ton, minimum control efficiency of 99% and maximum operating time of 365 days/year. As a

result of these limits on PM emissions, the emissions of PM-10 are effectively limited to an equal or lesser quantity. Conversion factor used 2,000 lb/ton.

d. Wheat Milling Process:

<u>Operation</u>	<u>Combined Baghouse Exhaust Air Flow Rate (ft<sup>3</sup>/Minute)</u>	<u>Particulate Matter (PM) Emissions</u>	
		<u>(Lb/Month)</u>	<u>(Tons/Yr)</u>
Baghouses	85,000	1,595.57	9.57

These limits are based upon the combined baghouse exhaust air flow rate from the milling area baghouses, manufactures exhaust air concentration test data of 0.003 (gr/ft<sup>3</sup>) and maximum operating time of 365 days/year. As a result of these limits on PM emissions, the emissions of PM-10 are effectively limited to an equal or lesser quantity. Conversion factor used 2,000 lb/ton, 60 minutes/hr, 8,760 hr/year and 14,000,000 gr/ton. Please note, mm = million, ft<sup>3</sup> = cubic feet and gr = grains.

e. Bulk Plant Operations:

<u>Operation</u>	<u>Combined Baghouse Exhaust Air Flow Rate (ft<sup>3</sup>/Minute)</u>	<u>Particulate Matter (PM) Emissions</u>	
		<u>(Lb/Month)</u>	<u>(Tons/Yr)</u>
Baghouses	20,400	383.33	2.30

These limits are based upon the combined baghouse exhaust air flow rate from the bulk plant baghouses, manufactures exhaust air concentration test data of 0.003 (gr/ft<sup>3</sup>) and maximum operating time of 365 days/year. As a result of these limits on PM emissions, the emissions of PM-10 are effectively limited to an equal or lesser quantity. Conversion factor used 2,000 lb/ton, 60 minutes/hr, 8,760 hr/year and 14,000,000 gr/ton. Please note, mm = million, ft<sup>3</sup> = cubic feet and gr = grains.

f. Flour Loadout Operations:

<u>Operation</u>	<u>Combined Baghouse Exhaust Air Flow Rate (ft<sup>3</sup>/Minute)</u>	<u>Particulate Matter (PM) Emissions</u>	
		<u>(Lb/Month)</u>	<u>(Tons/Yr)</u>
Baghouses	1,600	30	0.18
<u>Operation</u>	<u>Maximum Material Processed (Tons/Month)</u>	<u>Particulate Matter (PM) Emissions</u>	
Loadout	20,440	<u>(Lb/Month)</u>	<u>(Tons/Yr)</u>
		16.67	0.10

These limits are based upon the maximum material processed/received, an adjusted standard emission factor(s) of 0.1 gr/ft<sup>3</sup> based upon sock filters being used at all times on truck and railcar loadouts, combined baghouse exhaust air flow rate of 0.003 (gr/ft<sup>3</sup>) from the bulk plant baghouses, manufactures exhaust air concentration test data and maximum operating time of 365 days/year. As a result of these limits on PM emissions, the emissions of PM-10 are effectively limited to an equal or lesser quantity. Conversion factor used 2,000 lb/ton, 60 minutes/hr, 8,760 hr/year, 14,000,000 gr/ton and 0.0175 ton/ft<sup>3</sup>. Please note, mm = million, ft<sup>3</sup> = cubic feet and gr = grains.

g. Packing Operation:

<u>Operation</u>	<u>Combined Baghouse Exhaust Air Flow Rate (ft<sup>3</sup>/Minute)</u>	<u>Particulate Matter (PM) Emissions</u>	
		<u>(Lb/Month)</u>	<u>(Tons/Yr)</u>
Baghouses	2,400	45	0.27

These limits are based upon the combined baghouse exhaust air flow rate from the packaging operation baghouses, manufactures exhaust air concentration test data of 0.003 (gr/ft<sup>3</sup>) and maximum operating time of 365 days/year. As a result of these limits on PM emissions, the emissions of PM-10 are effectively limited to an equal or lesser quantity. Conversion factor used 2,000 lb/ton, 60 minutes/hr, 8,760 hr/year and 14,000,000 gr/ton. Please note, mm = million, ft<sup>3</sup> = cubic feet and gr = grains.

h. Mill Feed Truck Loadout:

<u>Operation</u>	<u>Combined Baghouse Exhaust Air Flow Rate (ft<sup>3</sup>/Minute)</u>	<u>Particulate Matter (PM) Emissions</u>	
		<u>(Lb/Month)</u>	<u>(Tons/Yr)</u>
Baghouses	24,000	450	2.70

  

<u>Operation</u>	<u>Maximum Material Processed (Tons/Month)</u>	<u>Particulate Matter (PM) Emissions</u>	
		<u>(Lb/Month)</u>	<u>(Tons/Yr)</u>
Railcar Loadout	8,176	2,450	14.7

These limits are based upon the maximum material loadout, standard emission factor(s) of 1.0 lb PM/ton, combined baghouse exhaust air flow rate from the mill feed processing and truck loadout baghouses, manufactures exhaust air concentration test data of 0.003 (gr/ft<sup>3</sup>) and maximum operating time of 365 days/year. As a result of these limits on PM emissions, the emissions of PM-10 are effectively limited to an equal

or lesser quantity. Conversion factor used 2,000 lb/ton, 60 minutes/hr, 8,760 hr/year and 14,000,000 gr/ton. Please note, mm = million, ft<sup>3</sup> = cubic feet and gr = grains.

i. Central Vacuum Operation:

<u>Operation</u>	<u>Combined Dust Filter Exhaust Air Flow Rate (ft<sup>3</sup>/Minute)</u>	<u>Particulate Matter (PM) Emissions</u>	
		<u>(Lb/Month)</u>	<u>(Tons/Yr)</u>
Dust Filters	3,500	2,183.33	13.1

This shall be the combined baghouse exhaust air flow rate (ft<sup>3</sup>/minute) used to calculate emissions for the corresponding month in which the emissions occurred. As a result of these limits on PM emissions, the emissions of PM-10 are effectively limited to an equal or lesser quantity. Conversion factor used 2,000 lb/ton, 60 minutes/hr, 8,760 hr/year and 14,000,000 gr/ton. Please note, mm = million, ft<sup>3</sup> = cubic feet and gr = grains.

- j. Combined baghouse exhaust air flow rate (ft<sup>3</sup>/minute) shall be determined once per month for each of the following operations: wheat milling, bulk plant, flour loadout, packaging, and mill feed packaging. On a monthly basis, the Permittee shall take the revolution per minute (r.p.m.) reading from the fan and the static pressure reading from the fan duct which are representative of normal fan operation. The readings shall be used to obtain the flow rate from the appropriate fan performance chart, and this flow rate shall be recorded. This shall be the combined baghouse exhaust air flow rate (ft<sup>3</sup>/minute) used to calculate emissions for each day of the corresponding month in which the reading occurred.
- k. This permit is based upon the wheat receiving, storage/handling process area and the wheat cleaning line operations being controlled by baghouses with a minimum control efficiency of 99%; the baghouses controlling the wheat milling, bulk plant, flour loadout, packaging and mill feed operating with a maximum baghouse exhaust concentration of 0.003 gr/ft<sup>3</sup> and sock filters controlling the truck/railcar flour loadout operations operating at all times in which emissions occur from these operations.
- l. Compliance with annual limits for the wheat receiving, storage/handling and cleaning, flour production mill, wheat milling, bulk plant, flour loadout, packaging, and mill feed packaging and feed railcar loadout shall be determined on a monthly basis from the sum of the data from the previous month plus the preceding 11 months (i.e., a 12 month running total).

- 3a. The Permittee shall maintain records of the following items:
- i. Quantity of wheat received, stored/handled, cleaned (tons/month and tons/year).
  - ii. Quantity of flour loadout (tons/month and tons/year).
  - iii. Quantity of mill feed railcar loadout (tons/month and tons/year).
  - iv. Combined baghouse exhaust air flow rate (ft<sup>3</sup>/minute) for each of the following operations including the fan performance chart and identification number, static pressure reading, rpm reading and calculations used to interpolate the combined baghouse exhaust air flow rate (ft<sup>3</sup>/minute):
    - A. Wheat Milling,
    - B. Bulk Plant,
    - C. Flour Loadout,
    - D. Packaging, and
    - E. Mill Feed Packaging.
  - v. Total emissions of PM from each operation (lb/month and tons/yr).
- b. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA and USEPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA request for records during the course of a source inspection.
4. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, a description of the exceedances or violation, and efforts to reduce emissions and future occurrences.

5. All reports, notification, etc., required by this permit shall be sent to:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Compliance Section (#40)  
P.O. Box 19276  
Springfield, Illinois 62794-9276

and

Illinois Environmental Protection Agency  
Bureau of Air - Regional Office  
Eisenhower Tower  
1701 First Avenue  
Maywood, Illinois 60153

- 6a. Natural gas shall be the only fuel fired in the boilers.
- b. Total natural gas usage, nitrogen oxides (NO<sub>x</sub>), and carbon monoxide (CO) emissions from the Kewanee, Thermo-Pak, and Weil-McCain boilers shall not exceed the following limits:

Combined Maximum		NO <sub>x</sub> Emissions		CO Emissions	
Firing Rate					
<u>(mmBtu/Hr)</u>	<u>(mmBtu/Yr)</u>	<u>(Tons/Month)</u>	<u>(Tons/Yr)</u>	<u>(Tons/Month)</u>	<u>(Tons/Yr)</u>
15.2	133,520	0.55	6.66	0.47	5.59

These limits are based upon the maximum total natural gas usage, a maximum firing rate of each boiler of less than 10 mmBtu/hr and standard emission factor(s) (100 lb NO<sub>x</sub>/mmft<sup>3</sup> and 21 lb CO/mmft<sup>3</sup> of natural gas burned). Conversion factors used were 1,000 Btu/scf and 2,000 lb/ton. Please note, mm = million and ft<sup>3</sup> = cubic feet.

- c. Compliance with annual limits shall be determined on a monthly basis from the sum of the data from the previous month plus the preceding 11 months (i.e., a 12 month running total).
7. The Permittee shall keep a maintenance and inspection log for the control systems which includes the following:
- a. All routine and nonroutine maintenance performed, including dates and duration of outages, inspection schedule and findings, leaks detected, repair actions, and replacements.

8. The Permittee shall, in accordance with the manufacturer(s) recommendations, perform periodic maintenance on the pollution control equipment covered under this permit such that the pollution control equipment be kept in proper working condition and not cause a violation of the Environmental Protection Act or regulations promulgated therein.
9. The Permittee shall maintain records of the maintenance log, and inspection log at the facility and be available for inspection and copying by the Illinois EPA.
10. No person shall cause or allow any visible emissions of fugitive particulate matter from any process, including any material handling or storage activity beyond the property line of the emission source, pursuant to 35 Ill. Adm. Code 212.301.
11. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year:
  - a. Quantity of wheat received, stored/handled, cleaned (tons/year).
  - b. Quantity of flour loadout (tons/year).
  - c. Quantity of mill feed railcar loadout (tons/year).
  - d. Combined baghouse exhaust air flow rate (ft<sup>3</sup>/minute) for each of the following operations including the fan performance chart and identification number, static pressure reading, rpm reading and calculations used to interpolate the combined baghouse exhaust air flow rate (ft<sup>3</sup>/minute):
    - i. Wheat Milling,
    - ii. Bulk Plant,
    - iii. Flour Loadout,
    - iv. Packaging, and
    - v. Mill Feed Packaging.
  - e. Combined Maximum Firing Rate (mmBtu/year).

If there have been no exceedances during the prior calendar year, the Annual Emission Report shall include a statement to that effect.

Page 9

It should be noted that this permit has been revised to show clerical and emission changes that reflect the latest AP-42 factors.

If you have any questions on this permit, please call Don Hanko at 217/782-2113.

Donald E. Sutton, P. E.  
Manager, Permit Section  
Division of Air Pollution Control

DES:DMH:jar

cc: Illinois EPA, FOS Region 1  
Illinois EPA, Compliance Section  
Lotus Notes

Attachment A

This attachment provides a summary of the maximum emission from the flour mill operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from this facility. This is a maximum of grain received and flour processed by this facility. The resulting maximum emissions are below the threshold levels (i.e., 100 tons/yr for particulate matter with an aerodynamic diameter of 10 microns or less (PM-10)) at which this source would be considered a major source for purposes of the Clean Air Act Program Permit (CAAPP). Actual emissions from this source will be less than predicted in this summary to the extent that less grain receiving and flour milling will be processed by the flour mill and control measures are more effective than that required in this permit.

1. Wheat Receiving, Storage and Handling Process Area:

<u>Operation</u>	<u>Maximum Material Processed (Tons/Month)</u>	<u>Particulate Matter (PM) Emissions</u>	
		<u>(Lb/Month)</u>	<u>(Tons/Yr)</u>
Receiving	28,616	17.17	0.10
Storage/Handling	28,616	94.43	0.57

Emissions are based upon the maximum material processed/received, standard emission factor(s) of 0.06 lb PM/ton for receiving and 0.33 lb PM/ton for storage/handling, minimum control efficiency of 99% and maximum operating time of 365 days/year. As a result of these limits on PM emissions, the emissions of PM-10 are effectively limited to an equal or lesser quantity. Conversion factor used 2,000 lb/ton.

2. Wheat Cleaning Line:

<u>Operation</u>	<u>Maximum Material Processed (Tons/Month)</u>	<u>Particulate Matter (PM) Emissions</u>	
		<u>(Lb/Month)</u>	<u>(Tons/Yr)</u>
Receiving	28,616	28.62	0.17

Emissions are based upon the maximum material processed/received, an adjusted standard emission factor(s) of 0.10 lb PM/ton, minimum control efficiency of 99% and maximum operating time of 365 days/year. As a result of these limits on PM emissions, the emissions of PM-10 are effectively limited to an equal or lesser quantity. Conversion factor used 2,000 lb/ton.

3. Wheat Milling Process:

<u>Operation</u>	<u>Combined Baghouse Exhaust Air Flow Rate (ft<sup>3</sup>/Minute)</u>	<u>Particulate Matter (PM) Emissions</u>	
		<u>(Lb/Month)</u>	<u>(Tons/Yr)</u>
Baghouses	75,000	1,408.33	8.45

Emissions are based upon the combined baghouse exhaust air flow rate from the milling area baghouses, manufactures exhaust air concentration test data of 0.003 (gr/ft<sup>3</sup>) and maximum operating time of 365 days/year. As a result of these limits on PM emissions, the emissions of PM-10 are effectively limited to an equal or lesser quantity. Conversion factor used 2,000 lb/ton, 60 minutes/hr, 8,760 hr/year and 14,000,000 gr/ton. Please note, mm = million, ft<sup>3</sup> = cubic feet and gr = grains.

4. Bulk Plant Operations:

<u>Operation</u>	<u>Combined Baghouse Exhaust Air Flow Rate (ft<sup>3</sup>/Minute)</u>	<u>Particulate Matter (PM) Emissions</u>	
		<u>(Lb/Month)</u>	<u>(Tons/Yr)</u>
Baghouses	20,400	383.33	2.30

Emissions are based upon the combined baghouse exhaust air flow rate from the bulk plant baghouses, manufactures exhaust air concentration test data of 0.003 (gr/ft<sup>3</sup>) and maximum operating time of 365 days/year. As a result of these limits on PM emissions, the emissions of PM-10 are effectively limited to an equal or lesser quantity. Conversion factor used 2,000 lb/ton, 60 minutes/hr, 8,760 hr/year and 14,000,000 gr/ton. Please note, mm = million, ft<sup>3</sup> = cubic feet and gr = grains.

5. Flour Loadout Operations:

<u>Operation</u>	<u>Combined Baghouse Exhaust Air Flow Rate (ft<sup>3</sup>/Minute)</u>	<u>Particulate Matter (PM) Emissions</u>	
		<u>(Lb/Month)</u>	<u>(Tons/Yr)</u>
Baghouses	1,600	30	0.18

  

<u>Operation</u>	<u>Maximum Material Processed (Tons/Month)</u>	<u>Particulate Matter (PM) Emissions</u>	
		<u>(Lb/Month)</u>	<u>(Tons/Yr)</u>
Loadout	20,440	16.67	0.10

Emissions are based upon the maximum material processed/received, an adjusted standard emission factor(s) of 0.1 gr/ft<sup>3</sup> based upon sock filters being used at all times on truck and railcar loadouts, combined baghouse exhaust air flow rate of 0.003 (gr/ft<sup>3</sup>) from the bulk plant baghouses, manufactures exhaust air concentration test data and maximum operating time of 365 days/year. As a result of these limits on PM emissions, the emissions of PM-10 are effectively limited to an equal or lesser quantity. Conversion factor used 2,000 lb/ton, 60 minutes/hr, 8,760 hr/year, 14,000,000 gr/ton and 0.0175 ton/ft<sup>3</sup>. Please note, mm = million, ft<sup>3</sup> = cubic feet and gr = grains.

6. Packing Operation:

<u>Operation</u>	<u>Combined Baghouse Exhaust Air Flow Rate (ft<sup>3</sup>/Minute)</u>	<u>Particulate Matter (PM) Emissions</u>	
		<u>(Lb/Month)</u>	<u>(Tons/Yr)</u>
Baghouses	2,400	45	0.27

Emissions are based upon the combined baghouse exhaust air flow rate from the packaging operation baghouses, manufactures exhaust air concentration test data of 0.003 (gr/ft<sup>3</sup>) and maximum operating time of 365 days/year. As a result of these limits on PM emissions, the emissions of PM-10 are effectively limited to an equal or lesser quantity. Conversion factor used 2,000 lb/ton, 60 minutes/hr, 8,760 hr/year and 14,000,000 gr/ton. Please note, mm = million, ft<sup>3</sup> = cubic feet and gr = grains.

7. Mill Feed Processing and Loadout:

<u>Operation</u>	<u>Combined Baghouse Exhaust Air Flow Rate (ft<sup>3</sup>/Minute)</u>	<u>Particulate Matter (PM) Emissions</u>	
		<u>(Lb/Month)</u>	<u>(Tons/Yr)</u>
Baghouses	24,000	450	2.70

<u>Operation</u>	<u>Maximum Material Processed (Tons/Month)</u>	<u>Particulate Matter (PM) Emissions</u>	
		<u>(Lb/Month)</u>	<u>(Tons/Yr)</u>
Railcar Loadout	8,176	2,450	14.7

Emissions are based upon the maximum material loadout, standard emission factor(s) of 1.0 lb PM/ton, combined baghouse exhaust air flow rate from the mill feed processing and truck loadout baghouses, manufactures exhaust air concentration test data of 0.003 (gr/ft<sup>3</sup>) and maximum operating time of 365 days/year. As a result of these limits on PM emissions, the emissions of PM-10 are effectively limited to an equal or lesser quantity. Conversion factor used 2,000 lb/ton, 60 minutes/hr, 8,760 hr/year and 14,000,000 gr/ton. Please note, mm = million, ft<sup>3</sup> = cubic feet and gr = grains.

8. Central Vacuum Operation:

<u>Operation</u>	<u>Combined Dust Filter Exhaust Air Flow Rate (ft<sup>3</sup>/Minute)</u>	<u>Particulate Matter (PM) Emissions</u>	
		<u>(Lb/Month)</u>	<u>(Tons/Yr)</u>
Dust Filters	3,500	2,183.33	13.1

Emissions are based upon the combined baghouse exhaust air flow rate from the central vacuum operation dust filters, an engineering estimated emission factor of 0.01 (gr/ft<sup>3</sup>) and maximum operating time of 365 days/year. As a result of these limits on PM emissions, the emissions of PM-10 are effectively limited to an equal or lesser quantity. Conversion factor used 2,000 lb/ton, 60 minutes/hr, 8,760 hr/year and 14,000,000 gr/ton. Please note, mm = million, ft<sup>3</sup> = cubic feet and gr = grains.

9. Total natural gas usage, nitrogen oxides (NO<sub>x</sub>), and carbon monoxide (CO) emissions from the boilers are as follows:

Combined Maximum		NO <sub>x</sub> Emissions		CO Emissions	
Firing Rate					
<u>(mmBtu/Hr)</u>	<u>(mmBtu/Yr)</u>	<u>(Tons/Month)</u>	<u>(Tons/Yr)</u>	<u>(Tons/Month)</u>	<u>(Tons/Yr)</u>
14.5	127,020	0.53	6.35	0.11	1.33

Emissions are based upon the maximum total natural gas usage, a maximum firing rate of each boiler of less than 10 mmBtu/hr and standard emission factor(s) (100 lb NO<sub>x</sub>/mmft<sup>3</sup> and 21 lb CO/mmft<sup>3</sup> of natural gas burned). Conversion factors used were 1,000 Btu/scf and 2,000 lb/ton. Please note, mm = million and ft<sup>3</sup> = cubic feet.

DMH:jar

## PROJECT SUMMARY

### I. Introduction

An application has been voluntarily submitted by the A.D.M. Milling Company to modify their current state operating permit(s) for their flour mill in order to voluntarily incorporate federally enforceable limits. These limits would prevent the flour mill from being a major source of emissions so that an operating permit does not have to be obtained under the Clean Air Act Permit Program (CAAPP). The proposed limits would be accompanied by recordkeeping and reporting requirements to assure that the facility is operated as a non-major source. Unlike the site's current operating permit(s), these conditions would be enforceable by both the State of Illinois and USEPA.

### II. Source Description

A.D.M. Milling Company uses the flour mill for the purpose producing wheat, white and whole wheat flour at this location. The facility receives grain via truck and railcar. The grain is processed by various mills, conveyors, cleaning lines to produce flour. Operation at the facility are controlled by baghouses and other control equipment.

### III. Emissions

The principal air contaminant(s) emitted from the flour mill are Particulate Matter (PM) and Particulate Matter with an aerodynamic diameter of 10 microns or less (PM-10) from the receiving, processing, packaging and loadout of flour.

### IV. Applicable Emission Standards

All emission sources in Illinois must comply with the Illinois Pollution Control Board's emission standards. The Board's emission standards represent the basic requirements for sources in Illinois. The Board has standards for sources of PM and PM-10 emissions. This site readily complies with all applicable Board standards.

### V. Proposed Permit

The conditions of the proposed permit contain limitations and requirements to assure that this facility will be operated as a non-major source. The permit sets limitations on the amount of metal produced at this facility. These limitations are consistent with the historical operation and capacity of the facility.

The permit conditions also establish appropriate compliance procedures, including inspection practices, recordkeeping requirements, and reporting requirements. The Permittee must carry out these procedures on an on-going basis to demonstrate that the facility is operating within the limitations set by the permit and are properly controlling emissions.

VI. Request for Comments

It is the Illinois EPA's preliminary determination that the facility meets all applicable state and federal air pollution control requirements, subject to the conditions proposed in the draft permit. The Illinois EPA is therefore proposing to issue a permit with federally enforceable limits for this operation.

Comments are requested on this proposed action by the Illinois EPA and the proposed conditions on the draft permit. If substantial public interest is shown in this matter, the Illinois EPA will consider holding a public hearing in accordance with 35 Ill. Adm. Code Part 164.

ELK:drk