

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT

PERMITTEE

Mid-America Commodities
Attn: Roger Reynolds
Route 54 and Route 48
Farmers City, Illinois 61842

<u>Application No.:</u> 96030104	<u>I.D. No.:</u> 039803AAC
<u>Applicant's Designation:</u>	<u>Date Received:</u> March 7, 1996
<u>Subject:</u> Seed Detreating and Feed Mill	
<u>Date Issued:</u> October 26, 1999	<u>Expiration Date:</u> October 26, 2004
<u>Location:</u> Route 54 and Route 48, Fullerton	

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of enclosed material storage, tanks for steep liquor, two roasters with solid fuel and gas fired burners, feed grinders with dust control, corn grinder with cyclone, dehydrators, classifiers with cyclones, pellet mills, coolers with cyclones, pellet storage, enclosed truck loading, railroad loadout spouts, various conveyors, augers, legs and surge bins, the seed corn and grain product dump pits and 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., PM₁₀ to less than 100 tons/year and hazardous air pollutants to less than 10 tons per year individual and 25 tons per year combined, etc.). As a result the source is excluded from the requirement 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 Tables A, B and C (attached).
 - b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
 - c. This permit supersedes all operating permits issued for this location.
2. The emissions of Hazardous Air Pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single HAP or 25 tons per year of any combination of such HAPs, or such lesser quantity as USEPA may establish in rule which would require the Permittee to obtain a CAAPP permit from the Illinois EPA. As a result of this condition, this permit is issued based on the emissions of any HAP from this source not triggering the requirement to obtain a CAAPP permit from the Illinois EPA.

3. The throughputs and annual emissions of regulated air pollutants shall not exceed the limits listed on Tables A, B, and C, which shall be the permitted emissions for this site.
4. 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 or 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 or USEPA request for records during the course of a source inspection.
5. 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, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.
6. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system 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 one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency
Division of Air Pollution Control
2009 Mall Street
Collinsville, Illinois 62234

- 7a. The Permittee shall maintain records of the following items, on an annual and monthly basis.
 - i. Material throughput.
 - ii. Operation of air pollution control equipment.
 - iii. Amount of propane burned.

- iv. Amount of solid fuel burned.
- b. These records shall be retained for two years and shall be available for inspection by the Illinois EPA.
- 8. Commodities susceptible to spontaneous combustion may be stored outdoors on a temporary basis. This approval is limited to materials that do not have the potential to emit visible fugitive dust emissions carrying beyond the property line. Records of commodities stored outdoors showing dates they were brought in and removed from temporary storage shall be kept and made available to the Illinois EPA upon request. All open storage areas shall be maintained using acceptable housekeeping practices so as not to cause any odor or dust nuisances.
- 9. The use of endloaders to transfer corn gluten, yellow corn, diatomaceous earth, hominy, elevator dust, screenings, starch, huskleage, corn germ, and other items is allowed provided no visible emissions are produced carrying beyond the property line.
- 10. This Permit does not include railroad car storage or rail unloading of steep liquor. If steep liquor is to be received by railroad car, a revision to this Permit will be required and facilities provided to catch and retain steep liquor spillage and/or runoff.
- 11. 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.

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

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

DES:DMH:psj

cc: Illinois EPA, FOS Region 3
Illinois EPA, Compliance Section
Lotus Notes

TABLE A

Grain Handling/Feed Milling Emissions

a. Particulate Matter Emissions

Emission ID	Process/Unit Description	Maximum Throughput		PM	PM ₁₀
		(Lbs/Hr)	(Tons/Yr)	(Tons/Yr)	(Tons/Yr)
	Dry Material Receiving (Truck & Rail)				
GHR-1	Ingredients		234,416	17.58	4.40
GHR-2	Solid Fuel		22,000	1.65	0.41
GHIO-1	Internal operations		256,416	105.77	25.64
FMH-1	Hamermills/Grinders (before Dehydrator)		234,416	To Dehydrator	To Dehydrator
FMFH-1	Final Hamermill/Grinder (after Dehydrator)	56,000	234,416	14.06	7.03
FMPC-1	Pellet Coolers with Cyclones	56,000	234,416	50.40	25.79
FMS-1	Shipping (Load Out)		234,416	3.22	0.88
FMDY-1	Dehydrators	45,000	200,000	54.75	27.38
			Total	247.44	91.53

TABLE B

Fuel Combustion Emissions

Emission ID	Process/Unit Description	Rating	Hours	Fuel Use	VOM	CO	NO _x	SO _x
		mmBtu/Hr	Hrs/Yr	Gal/Yr	T/Yr	T/Yr	T/Yr	T/Yr
Propane Combustion Emissions								
FCR-1	Seed Corn Roaster	3.50	8,760	335,082	0.079	0.32	2.35	0.02
FCPB-1	South (Primary) Propane Burner	16.00		50,000	0.006	0.08	0.48	0.00
FCPB-2	North (Secondary) Propane Burner	16.00		50,000	0.006	0.08	0.48	0.00
FCPM-1	Pellet Mill Boiler(s) (One at a time)	4.19	8,372	383,376	0.090	0.36	2.68	0.02
Solid Fuel Combustion Emissions								
FCSF-1	South (Primary) Solid Fuel Burner	20.00	8,760	10,950	0.986	36.14	2.08	0.41
FCSF-2	North (Secondary) Solid Fuel Burner	20.00	8,760	10,950	0.986	36.14	2.08	0.41
Subtotal					2.152	73.11	10.14	0.86

TABLE C

Liquid Storage Tank Emissions

Emission ID	Process/Unit Description	Rating	Hours	Fuel Use	VOM
		mmBtu/Hr	Hrs/Yr	Gal/Yr	T/Yr
ST-1	Liquid Throughput		8,760	20,000,000	0.200
Total					2.35

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Illinois Environmental Protection Agency
Division of Air Pollution Control
Springfield, Illinois
August, 1999

Statement of Basis
For Proposed Issuance of
A Federally Enforceable State Operating Permit for
Mid-America Commodities

Applicant:

Name: Mid-America Commodities
Address: Route 54 and Route 48
Farmers City, Illinois 61842

Contact Person: Roger Reynolds
Contact Person Phone: 309/928-3466

Project:

Project: Feed Manufacturing
Project Location: Route 54 and Route 38
Farmers City, Illinois 61842

Plant Name: Mid-America Commodities
Location Identification Number: 039803AAC
Application Number: 96030104

Significant Dates:

Application Received: March 7, 1996
Comment Period Begins:
Comment Period Ends:

Illinois EPA Contacts:

Permit Section - Name: Don Hanko
Address: P.O. Box 19506
Springfield, Illinois 62794-9506
Telephone: 217/782-2113

Telecommunications Device for Deaf: 217/782-9143

Field Operations Section - Name: Robert Stortzum
Address: 2125 South 1st Street
Champaign, Illinois 61820
Telephone: 217/333-8361

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PROJECT SUMMARY

I. INTRODUCTION

An application has been voluntarily submitted by Mid-America Commodities to modify its current state operating permits for its feed manufacturing in order to voluntarily incorporate federally enforceable limits. These limits would prevent the facility 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. 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 permits, these conditions would be enforceable by both the State of Illinois and USEPA.

II. SOURCE DESCRIPTION

Mid-America Commodities is located at Route 48 and 54, Farmers City, Illinois. The plant manufactures animal feed pellets and ships by rail. The plant has approximately 24 emission units which receive, store, transfer, roast, dry, classify, grind, pelletize, and loadout. The process utilizes corn screenings, wet gluten, off-spec corn, treated seed corn, grain dust fines, wood flour, and other types of waste grain materials.

III. EMISSIONS

Particulate material is emitted from the receiving, storing, transfer, pelletizing, and shipping operations. This feed pelletizing operation is in compliance with 35 Ill. Adm. Code 212.321. The Permittee must keep records of the amount of material received and shipped to show compliance with the permit conditions.

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 volatile organic material. 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 production/throughput and emissions of VOM and HAPs. 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 is 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 166.

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