

MARYLAND DEPARTMENT OF THE ENVIRONMENT

**AIR AND RADIATION ADMINISTRATION
APPLICATION FOR A PERMIT TO CONSTRUCT**

DOCKET #12-23

COMPANY: Mountaire Farms, Inc. – Westover Feed Mill
LOCATION: 30607 Revels Neck Road, Westover, MD 21871
APPLICATION: Modification of hammermills to increase throughput and the installation of grain handling equipment

<u>ITEM</u>	<u>DESCRIPTION</u>
1	Notice of Application and Informational Meeting
2	Environmental Justice (EJ) Information - EJ Fact Sheet and MDE Score and Screening Report
3	Permit to Construct Application Forms – Form 5, Emissions Estimates
4	Zoning Approval

**MARYLAND DEPARTMENT OF THE ENVIRONMENT
AIR AND RADIATION ADMINISTRATION**

**NOTICE OF APPLICATION AND
OPPORTUNITY TO REQUEST AN INFORMATIONAL MEETING**

The Maryland Department of the Environment, Air and Radiation Administration (ARA) received a permit-to-construct application from Mountaire Farms, Inc. – Westover Feed Mill on June 29, 2023 for the modification of hammermills to increase throughput and the installation of grain handling equipment. The proposed installation will be located at 30607 Revels Neck Road, Westover, MD 21871.

In accordance with HB 1200/Ch. 588 of 2022, the applicant provided an environmental justice (EJ) Score for the census tract in which the project is located using the Maryland EJ mapping tool. The EJ Score, expressed as a statewide percentile, was shown to be 67.17 which the Department has verified. This score considers three demographic indicators – minority population above 50%, poverty rate above 25% and limited English proficiency above 15%.

Copies of the application, the EJ mapping tool screening report (which includes the score), and other supporting documents are available for public inspection on the Department's website at <https://mde.maryland.gov/programs/Permits/AirManagementPermits/Pages/index.aspx> (click on Docket Number 12-23). Any applicant-provided information regarding a description of the environmental and socioeconomic indicators contributing to that EJ score can also be found at the listed website. Such information has not yet been reviewed by the Department. A review of the submitted information will be conducted when the Department undertakes its technical review of all documents included in the application.

Pursuant to the Environment Article, Section 1-603, Annotated Code of Maryland, the Department will hold an informational meeting to discuss the application and the permit review process if the Department receives a written request for a meeting within 10 working days from the date of the second publication of this notice. A requested informational meeting will be held virtually using teleconference or internet-based conferencing technology unless a specific request for an in-person informational meeting is received. All requests for an informational meeting should be directed to the attention of Ms. Shannon Heafey, Air Quality Permits Program, Air and Radiation Administration, 1800 Washington Boulevard, Baltimore, Maryland 21230. Further information may be obtained by calling Ms. Shannon Heafey at 410-537-4433.

Christopher R. Hoagland, Director
Air and Radiation Administration



The Applicant's Guide to Environmental Justice and Permitting

What You Need to Know

This fact sheet is designed to provide guidance to applicants on incorporating environmental justice screening requirements pursuant to House Bill 1200, effective October 1, 2022.

What is Environmental Justice?

The concept behind the term environmental justice (EJ) is that regardless of race, color, national origin, or income, all Maryland residents and communities should have an equal opportunity to enjoy an enhanced quality of life. How to assess whether equal protection is being applied is the challenge.

Communities surrounded by a disproportionate number of polluting facilities puts residents at a higher risk for health problems from environmental exposures. It is important that residents who may be adversely affected by a proposed source be aware of the current environmental issues in their community in order to have meaningful involvement in the permitting process. Resources may be available from government and private entities to ensure that community health is not negatively impacted by a new source located in the community.

Extensive research has documented that health disparities exist between demographic groups in the United States, such as differences in mortality and morbidity associated with factors that include race/ethnicity, income, and educational attainment. House Bill 1200 adds to MDE's work incorporating diversity, equity and inclusion into our mission to help overburdened and underserved communities with environmental issues.

What is House Bill 1200 and what does it require?

Effective October 1, 2022, House Bill 1200 requires a person applying for a permit from the Department under §1-601 of the Environment Article of the Annotated Code of Maryland or any permit requiring public notice and participation to include in the application an EJ Score for the census tract where the applicant is seeking the permit; requiring the Department, on receiving a certain permit application to review the EJ Score; and requiring notices to include information related to EJ Scores and generally relating to environmental permits and environmental justice screenings.

What is a "Maryland EJ Tool"?

The term "Maryland EJ Tool" means a publicly available state mapping tool that allows users to: (1) explore layers of environmental justice concern; (2) determine an overall EJ score for census tracts in the state; and (3) view additional context layers relevant to an area.



The Applicant's Guide to Environmental Justice and Permitting

What You Need to Know

What is an "EJ Score"?

The term "EJ Score" means an overall evaluation of an area's environment and environmental justice indicators, as defined by MDE in regulation, including: (1) pollution burden exposure; (2) pollution burden environmental effects; (3) sensitive populations; and (4) socioeconomic factors.

The Maryland EJ Screening Tool uses three demographic indicators – minority population above 50%, poverty rate above 25% and percent of the population having limited English proficiency above 15% - to calculate a score that can be used as an indicator of susceptibility to environmental exposure. It is that score, linked to the census tract where the project is to be located, that needs to be reported to MDE as part of your permit application.

What does the application require?

The link for the Maryland EJ Tool is located on the Department's website, www.mde.maryland.gov, under Quick Links as EJ Screening Tool. At the top right, please click the first button for the MDE Screening Report. Input the address of the proposed installation in the address bar. Click on the Report button. Once the report has been generated select the print icon.

The applicant needs to include the MDE Screening Report with the EJ Score from the Maryland EJ Tool as part of the permit application upon submission. An application will not be considered complete without the report.

The applicant is encouraged to provide the Department with a discussion about the environmental exposures in the community. This will provide pertinent information about how the applicant should proceed with engaging with the community. Residents of a community with a high indicator score and a high degree of environmental exposure should be afforded broader opportunities to participate in the permit process and understand the impacts a project seeking permit approval may have on them.

Questions

For air quality permits, please call 410-537-3230.

For water permits, please call 410-537-4145.

For land permits pertaining to Solid Waste, please call 410-537-3098.

For land permits pertaining to Oil Control, please call 410-537-3483.

For land permits pertaining to Animal Feeding Operations, please call 410-537-4423.

For land permits pertaining to Biosolids, please call 410-537-3403.



MDE EJ Screening Report - Mountaire Westover Feed Mill

Area of Interest (AOI) Information

Jun 27 2023 11:24:31 Eastern Daylight Time



- Active High Air Emission Facilities, MDE Map Service
- ▲ WFO Sites
- MD_Docks - Maryland Docks
- Low
- MD Ports - Maryland Port Locations
- WMS - Westover Quarantine Facilities
- Point Sources Discharge
- None
- Aqueduct
- Coal Mine
- Combined Sewer Overflow
- Cooling Water

1:144,448
 0 1.25 2.5 5 mi
 0 2.25 4.5 8 km

MD WMS, MDE, MCE. Sources: Esri, HERE, Garmin, FAO, NOAA, Swire, Bing, Mapbox, © OpenStreetMap contributors, and the GIS User Community, NOAA, MDE

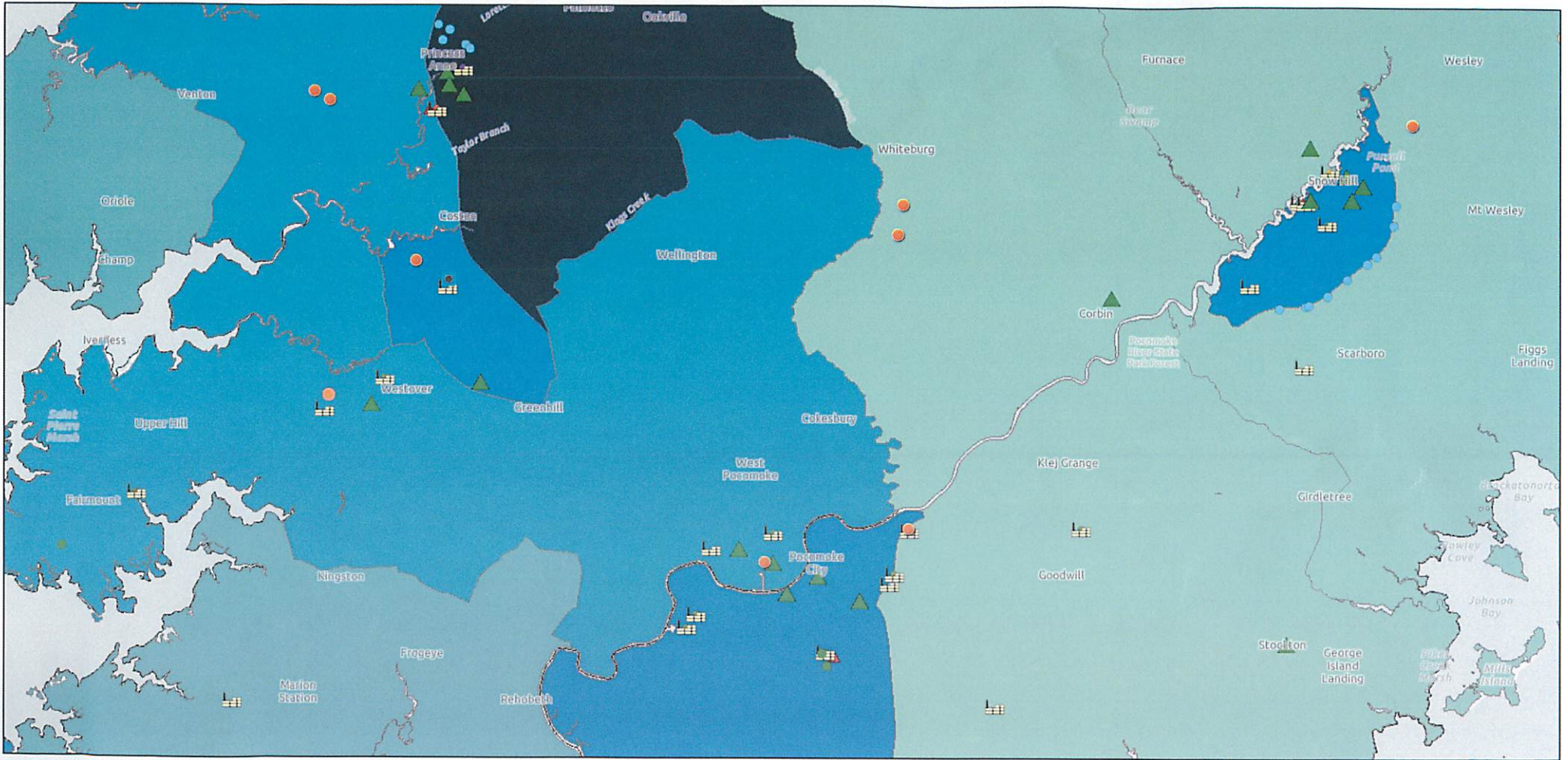
Summary

Name	Count	Area(ft ²)	Length(ft)
EJ Scores as a Percent Distribution (Quantile Representation)	1	N/A	N/A
Active High Air Emission Facilities	0	N/A	N/A
LRP Facilities	0	N/A	N/A
Maryland Dam Locations	0	N/A	N/A
Maryland Pond Locations	0	N/A	N/A
Wastewater Discharge Facilities	0	N/A	N/A
Historic Mine Locations	0	N/A	N/A
Significant Wastewater Treatment Plants	0	N/A	N/A
Point Source Discharges	0	N/A	N/A
All Permitted Solid Waste Acceptance Facilities	0	N/A	N/A
Municipal Solid Waste Acceptance Facilities	0	N/A	N/A

EJ Scores as a Percent Distribution (Quantile Representation)

#	Geographic Area Name	Percent Minority	Percent Poverty	Percent_Limited_English_Proficiency	SocioScore Percent Tract Only	Socio Percentile (All MD)	Socio Percentile (All MD) %	Area(ft ²)
1	Census Tract 9804, Somerset County, Maryland	72.10	19.74	0.00	30.61	67.17	67.170%	N/A

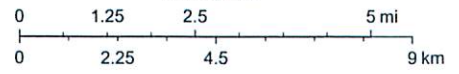
MDE Area of Interest



6/27/2023, 11:17:52 AM

- Active High Air Emission Facilities (MDE Map Service)
- ▲ LRP Sites
- MD_Dams - Maryland Dam Locations
- MD Ponds _ Maryland Pond Locations
- WWS - Wastewater Discharge Facilities
- Point Source Discharges
- Aquaculture
- Coal Mine
- Combined Sewer Overflow
- Cooling Water

1:144,448



MD IMAP, MDE, MDE, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, LMA, MDE



April 17, 2023

Maryland Department of the Environment
Air and Radiation Management Administration
Attn: Mr. Matthew Haffner
1800 Washington Boulevard
Baltimore, Maryland 21230

Reference: Mountaire Westover Feed Mill, Premises No. 039-0072

Dear Mr. Haffner,

Please find enclosed an application for the Permit to Construct for our Westover Feed Mill as discussed in the past on the phone. The permit to construct application includes the following equipment:

1. (1) One Mixer Discharge Surge Hopper, totally enclosed with a capacity of 3 tons.
2. (1) One Mixer Surge Discharge Conveyor, totally enclosed with a capacity of 108 tons per hour.
3. (1) One Mash Transfer Leg #1, totally enclosed with a capacity of 108 tons per hour.
4. (1) One Mash Leg Bucket Elevator, totally enclosed with a capacity of 110 tons per hour.
5. (1) One Mash Transfer leg #2, totally enclosed with a capacity of 108 tons per hour.

Please also note the following equipment that was not constructed in the previous Permit to Construct due to time frame.:

1. Finish Feed Swing Turnhead, totally enclosed, 12-inch diameter x 10 position.

To complete the upgrade, we are asking for a facility throughput increase on the feed mill manufacturing side of the complex, this increase will include a modification to the two hammer mills. This modification will give them a capacity of 85 tons per hour.

I am also including the emission calculations with and without control technologies. The hammer mills will still be controlled by the current baghouse.

If there are any questions or concerns regarding the request, please let me know.

Regards,

Kyle McConnell

Kyle McConnell
Mountaire Farms
Environmental Manager – Eastern Shore
kmccconnell@mountaire.com
(302) 841-4629

Actual emissions: Grain elevators and feed mills

Pollutant	Grain Elevator (ton/yr)	Feed Mill (ton/yr)	Natural Gas (ton/yr)	Propane (ton/yr)	Fugitive (ton/yr)	Actual Emissions (ton/yr)
Criteria Air Pollutants						
PM	2.33	75.52	0.24			78.09
PM10	2.73	33.64	0.24			36.61
PM2.5	0.46	9.73	0.24			10.43
SOx			0.02			0.02
NOx			3.19			3.19
VOC			0.18			0.18
CO			2.68			2.68
Lead			0.00			0.00
Greenhouse Gas Emissions						
CO ₂			3824.80			3824.80
CH ₄			0.07			0.0721
N ₂ O			0.01			0.0072
GHG Total CO₂e			3828.75			3828.75
Hazardous Air Pollutants						
Benzene			0.00			0.0001
Formaldehyde			0.00			0.0024
Hexane			0.06			0.0574
Naphthalene			0.00			0.0000
Toluene			0.00			0.0001
Arsenic			0.00			0.0000
Beryllium			0.00			0.0000
Cadmium			0.00			0.0000

Chromium		0.00	0.0000
Cobalt		0.00	0.0000
Manganese		0.00	0.0000
Mercury		0.00	0.0000
Nickel		0.00	0.0001
Selenium		0.00	0.0000
HAP Indiv. Max	Hexane		0.0574
HAP total			0.0601

Feed mill actual emissions

Source unless otherwise noted: EPA AP-42 Chapter 9.9.1

a Activity		b Maximum Capacity (tons/year)	c PM Control Efficiency ¹ (% control)	d PM Emission Factor (lb/ton)	e PM Emissions (tons/year) $b*d*(1-c)/2000$	f PM ₁₀ Control Efficiency ¹ (% control)	g PM ₁₀ Emission Factor (lb/ton)	h PM ₁₀ Emissions (ton/year) $b*g*(1-f)/2000$	h PM _{2.5} Emission Factor (lb/ton)	i PM _{2.5} Emissions (ton/year) $b*h*(1-f)/2000$
Grain Receiving		744600.0	99%	0.18	0.67	99%	0.059	0.22	0.01	0.04
Feed Loadout		744600.0	0%	0.0033	1.23	0%	0.0008	0.30	0.0008	0.30
Feed Ingredient Rec.		171437.8	99%	0.025	0.02	99%	0.0063	0.01	0.0011	0.00
Milling	Hammer mill ⁵	744600.0	99%	0.768	2.86	99%	0.384	1.43	0.384	1.43
	Flaker ⁶	0.0	0%	0.75	0.00	0%	0.375	0.00	0.375	0.00
	Cracker ⁶	0.0	0%	0.12	0.00	0%	0.06	0.00	0.06	0.00
Pellet Cooler ⁷		744600.0	99%	1.65	6.14	99%	0.825	3.07	0.825	3.07
Headhouse & Grain Handling ⁸		331470.9.3	60%	0.061	40.44	60%	0.034	22.54	0.0058	3.85
Ag Bag Operation		6500.0	60%	0.18	0.23	60%	0.059	0.08	0.01	0.01
Grain Cleaning (internal vibrating ⁹)		0.0	0%	0.375	0.00	0%	0.095	0.00	0.016	0.00
Storage Bin (vent)		182550.9.3	60%	0.025	9.13	60%	0.0063	2.30	0.0011	0.40
Grain Drying	Rack	0.0	0%	3	0.00	0%	0.75	0.00	0.13	0.00
	Rack (<50mesh)	0.0	0%	0.47	0.00	0%	0.12	0.00	0.02	0.00
	Column	336309.3	60%	0.22	14.80	60%	0.055	3.70	0.0094	0.63
Total Emissions (excluding combustion from dryers, if applicable)					75.52			33.64		9.73

Air emissions for feed mills - Potential emissions

Facility information for emission calculations

Facility name:

Max. capacity: tons/year

For grain processing facilities, max. capacity is the maximum amount of grain you could possibly process in a year assuming an unlimited supply is available.

Do you have a traditional facility with a headhouse?

If yes, what type(s)?	Do you have any milling equipment?	<input type="text" value="Yes"/>		Total capacity (ton per hour)	<input type="text" value="85"/>	Total milling capacity	<input type="text" value="85"/>	ton per hour	
	Hammermill	<input type="text" value="Yes"/>	----->						ton per year
	Flaker	<input type="text" value="No"/>	----->						
	Cracker	<input type="text" value="No"/>	----->						

Do you do pellet cooling?	<input type="text" value="Yes"/>		Do you clean the grain at some point?	<input type="text" value="No"/>	
If yes, what is your pellet cooling capacity?	<input type="text" value="75"/>	(ton per hour)	If yes, what is the total grain cleaning capacity?	<input type="text"/>	ton per hour

If yes, what type(s)?	Do you have 1 or more grain dryers?	<input type="text" value="No"/>		Total capacity (ton per hour)	<input type="text"/>	Drying Capacity	<input type="text" value="5,551"/>	ton per hour	
	Rack dryer	<input type="text" value="Yes"/>	----->						ton per year
	Rack dryer with self cleaning screen (<50 mesh)	<input type="text" value="No"/>	----->						
	Column dryer	<input type="text" value="Yes"/>	----->						



AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	Mountaire Farms Inc.
COMPANY ADDRESS:	P.O. Box 1320, Millsboro, Delaware 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Westover Feed Mill
PREMISES ADDRESS:	30607 Revells Neck Road, Westover, Maryland 21871
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmccconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
Process Equipment for manufacturing poultry feed.	

Application is hereby made to the Department of the Environment for a Permit to Construct for the following equipment or process as required by the State of Maryland Air Quality Regulation, COMAR 26.11.02.09.

Check each item that you have submitted as part of your application package.

- Application package cover letter describing the proposed project
- Complete application forms (Note the number of forms included or NA if not applicable.)

No. <u> X </u> Form 5	No. <u> </u> Form 11
No. <u> </u> Form 5T	No. <u> </u> Form 41
No. <u> </u> Form 5EP	No. <u> </u> Form 42
No. <u> </u> Form 6	No. <u> </u> Form 44
No. <u> </u> Form 10	
- Vendor/matrix specifications/guarantees
- Evidence of Workman's Compensation Insurance
- Process flow diagrams with emission points
- Site plan including the location of the proposed source and property boundary
- Material balance data and all emissions calculations
- Material Safety Data Sheets (MSDS) or equivalent information for materials processed and manufactured.
- Certificate of Public Convenience and Necessity (CPCN) waiver documentation from the Public Service Commission ⁽¹⁾
- Documentation that the proposed installation complies with local zoning and land use requirements ⁽²⁾

⁽¹⁾ Required for emergency and non-emergency generators installed on or after October 1, 2001 and rated at 2001 kW or more.

⁽²⁾ Required for applications subject to Expanded Public Participation Requirements.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd ▪ Baltimore, Maryland 21230
(410) 537-3230 ▪ 1-800-633-6101 ▪ www.mde.state.md.us

Air and Radiation Management Administration ▪ Air Quality Permits Program

APPLICATION FOR PROCESSING/MANUFACTURING EQUIPMENT

Permit to Construct

Registration Update

Initial Registration

1A. Owner of Equipment/Company Name

Mountaire Farms Inc.

Mailing Address

P.O. Box 1320

Street Address

Millsboro Delaware 19966
City State Zip

Telephone Number

(302) 841-4629

Signature

Phillip Plylar

Phillip Plylar - President

Print Name and Title

DO NOT WRITE IN THIS BLOCK
2. REGISTRATION NUMBER

County No.

Premises No.

1-2

3-6

Registration Class

Equipment No.

7

8-11

Data Year

12-13

Application Date

1B. Equipment Location and Telephone Number (if different from above)

30607 Revells Neck Road

Street Number and Street Name

Westover Maryland 21871 (302) 934-3070
City/Town State Zip Telephone Number

Westover Feed Mill

Premises Name (if different from above)

3. Status (A= New, B= Modification to Existing Equipment, C= Existing Equipment)

Status	New Construction Begun (MM/YY)	New Construction Completed (MM/YY)	Existing Initial Operation (MM/YY)
A	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
15	16-19	20-23	20-23

4. Describe this Equipment: Make, Model, Features, Manufacturer (include Maximum Hourly Input Rate, etc.)

Mixer Surge Discharger Conveyor@108TPH, Mash Transfer Leg#1@ 108TPH, Mash Leg Bucket Elevator@ 110TPH
Mash Transfer Leg #2@ 108TPH, (1) One finish feed swing turnhead.

5. Workmen's Compensation Coverage

Company _____ Binder/Policy Number _____ Expiration Date _____

NOTE: Before a Permit to Construct may be issued by the Department, the applicant must provide the Department with proof of worker's compensation coverage as required under Section 1-202 of the Worker's Compensation Act.

6A. Number of Pieces of Identical Equipment Units to be Registered/Permitted at this Time 0

6B. Number of Stack/Emission Points Associated with this Equipment All equipment totally enclosed.

7. Person Installing this Equipment (if different from Number 1 on Page 1)

Name _____ Title _____
 Company _____
 Mailing Address/Street _____
 City/Town _____ State _____ Telephone (____) _____

8. Major Activity, Product or Service of Company at this Location

Manufacturer of poultry feed.

9. Control Devices Associated with this Equipment

None
 24-0

Simple/Multiple Cyclone <input type="checkbox"/> 24-1	Spray/Adsorb Tower <input type="checkbox"/> 24-2	Venturi Scrubber <input type="checkbox"/> 24-3	Carbon Adsorber <input type="checkbox"/> 24-4	Electrostatic Precipitator <input type="checkbox"/> 24-5	Baghouse <input type="checkbox"/> 24-6	Thermal/Catalytic Afterburner <input type="checkbox"/> 24-7	Dry Scrubber <input type="checkbox"/> 24-8
--	---	---	--	---	--	--	---

Other

Describe Equipment is totally enclosed.
 24-9

10. Annual Fuel Consumption for this Equipment

OIL-1000 GALLONS <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> 26-31	SULFUR % <input type="text"/> <input type="text"/> 32-33	GRADE <input type="text"/> 34	NATURAL GAS-1000 FT ³ <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> 35-41	LP GAS-100 GALLONS <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> 42-45	GRADE <input type="text"/> 43-45
--	--	-------------------------------------	---	--	--

COAL- TONS <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> 46-52	SULFUR % <input type="text"/> <input type="text"/> 53-55	ASH% <input type="text"/> <input type="text"/> 56-58	WOOD-TONS <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> 59-63	MOISTURE % <input type="text"/> <input type="text"/> 64-65
--	--	--	---	--

OTHER FUELS (Specify Type) <input type="text"/> ANNUAL AMOUNT CONSUMED 66-1 (Specify Units of Measure)	OTHER FUEL (Specify Type) <input type="text"/> ANNUAL AMOUNT CONSUMED 66-2 (Specify Units of Measure)
--	---

1= Coke 2= COG 3=BFG 4=Other

11. Operating Schedule (for this Equipment)

Continuous Operation <input type="checkbox"/> 67-1	Batch Process <input type="checkbox"/> 67-2	Hours per Batch <input type="text"/> <input type="text"/> 68-69	Batch per Week <input type="text"/> 70-71	Hours per Day <input type="text"/> <input type="text"/> 72	Days Per Week <input type="text"/> 73-75
--	---	---	---	--	--

Seasonal Variation in Operation:
 No Variation Winter Percent Spring Percent Summer Percent Fall Percent
 76 77-78 79-80 81-82 83-84 (Total Seasons= 100%)

12. Equivalent Stack Information- is Exhaust through Doors, Windows, etc. Only? (Y/N) 85

If not, then

Height Above Ground (FT)	Inside Diameter at Top	Exit Temperature (°F)	Exit Velocity (FT/SEC)													
<table border="1" style="display: inline-table; width: 60px; height: 20px;"> <tr> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> </tr> </table>				<table border="1" style="display: inline-table; width: 60px; height: 20px;"> <tr> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> </tr> </table>				<table border="1" style="display: inline-table; width: 60px; height: 20px;"> <tr> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> </tr> </table>					<table border="1" style="display: inline-table; width: 60px; height: 20px;"> <tr> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> </tr> </table>			
86-88	89-91	92-95	96-98													

NOTE:

Attach a block diagram of process/process line, indicating new equipment as reported on this form and all existing equipment, including control devices and emission points.

13. Input Materials (for this equipment only)
 Is any of this data to be considered confidential? (Y or N)

	NAME	CAS NO. (IF APPLICABLE)	PER HOUR	INPUT RATE		UNITS
				UNITS	PER YEAR	
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
TOTAL						

14. Output Materials (for this equipment)
 Process/Product Stream

	NAME	CAS NO. (IF APPLICABLE)	PER HOUR	OUTPUT RATE		UNITS
				UNITS	PER YEAR	
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
TOTAL						

15. Waste Streams- Solid and Liquid

	NAME	CAS NO. (IF APPLICABLE)	PER HOUR	OUTPUT RATE		UNITS
				UNITS	PER YEAR	
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
TOTAL						

16. Total Stack Emissions (for this equipment only) in Pounds Per Operating Day

Particulate Matter

99-104

Oxides of Sulfur

105-110

Oxides of Nitrogen

111-116

Carbon Monoxide

177-122

Volatile Organic Compounds

123-128

PM-10

129-134

17. Total Fugitive Emissions (for this equipment only) in Pounds Per Operating Day

Particulate Matter

135-139

Oxides of Sulfur

140-144

Oxides of Nitrogen

145-149

Carbon Monoxide

150-154

Volatile Organic Compounds

155-159

PM-10

160-164

Method Used to Determine Emissions (1= Estimate 2= Emission Factor 3= Stack Test 4= Other)

TSP

165

SOX

166

NOX

167

CO

168

VOC

169

PM10

170

AIR AND RADIATION MANAGEMENT ADMINISTRATION USE ONLY

18. Date Rec'd. Local _____ Date Rec'd. State _____ Return to Local Jurisdiction
 Date _____ By _____

Reviewed by Local Jurisdiction _____ Reviewed by State _____
 Date _____ By _____ Date _____ By _____

19. Inventory Date _____ Month/Year Equipment Code SCC Code
 171-174 175-177 178-185

20. Annual Operating Rate Maximum Design Hourly Rate Permit to Operate Month Transaction Date (MM/DD/YR)
 186-192 193-199 200-201 202-207

Staff Code VOC Code SIP Code Regulation Code Confidentiality
 208-210 211 212 213 214 215-218 219

Point Description
 220-238

Action A: Add
 C: Change
 239



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

2/27/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Stephens Insurance, LLC 111 Center Street, Suite 100 Little Rock, AR 72201 www.stephensinsurance.com			CONTACT NAME: Lori Prescott PHONE (A/C, No, Ext): 501-377-8451 E-MAIL ADDRESS: lori.prescott@stephens.com FAX (A/C, No):	
			INSURER(S) AFFORDING COVERAGE	
			INSURER A: Hartford Fire Insurance Company	
			INSURER B: Property & Casualty Insurance Co. of Hartford	
			INSURER C: Navigators Insurance Company	
			INSURER D: Twin City Fire Insurance Company	
			INSURER E:	
			INSURER F:	


COVERAGES **CERTIFICATE NUMBER:** 73173847 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
D	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractual <input checked="" type="checkbox"/> \$1,000,000 SIR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			38ECSS71202 \$1,000,000 Limit excess of \$1,000,000 SIR	3/1/2023	3/1/2024	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ 4,000,000 \$
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY <input type="checkbox"/> OTHER:			38CSES71201 \$250,000. Deductible	3/1/2023	3/1/2024	COMBINED SINGLE LIMIT (Ea accident) \$ 5,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			CH23UMRZ07CYGIV	3/1/2023	3/1/2024	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			38WNS71200 \$500,000. Deductible	3/1/2023	3/1/2024	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER **CANCELLATION**

Verification of Coverage	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE  Stan Payne

© 1988-2015 ACORD CORPORATION. All rights reserved.



SOMERSET COUNTY
DEPARTMENT OF TECHNICAL AND COMMUNITY SERVICES

Mary R Phillips, Zoning Administrator / Assistant Director

Mountaire Farms
Kyle McConnell
Environmental Manager - Eastern Shore
29106 John J. Williams Highway
P.O. Box 1320
Millsboro, Delaware 19966

February 13, 2023

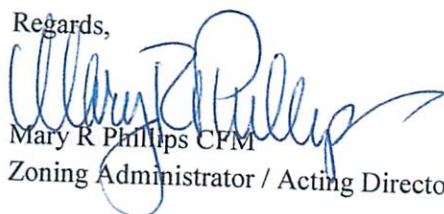
RE: Facility located at 30606 Revells Neck Rd Westover MD 21871

Dear Mr. McConnell,

Per your request a review of the Zoning Ordinance in regards to the above referenced facility shows that The existing facility is a permitted use and meets the criteria of Section 5.7(e)1 and Section 6.2 of Ordinance # 1144 (Somerset County Zoning Ordinance)

Please feel free to contact us if you are in need additional information

Regards,


Mary R Phillips CFM
Zoning Administrator / Acting Director

11916 Somerset Ave., Suite 211 • Princess Anne, MD 21853
Telephone (410) 651-1424 or (410) 651-1005 • Fax (410) 651-2597
Email: dtes@somersetmd.us

MARYLAND DEPARTMENT OF THE ENVIRONMENT

**AIR AND RADIATION ADMINISTRATION
APPLICATION FOR A PERMIT TO CONSTRUCT**

**SUPPLEMENT 1 TO
DOCKET #12-23**

COMPANY: Mountaire Farms, Inc. – Westover Feed Mill
LOCATION: 30607 Revels Neck Road, Westover, MD 21871
APPLICATION: Modification of hammermills to increase throughput and the installation of grain handling equipment

<u>ITEM</u>	<u>DESCRIPTION</u>
1	Notice of Scheduled Informational Meeting

**DEPARTMENT OF THE ENVIRONMENT
AIR AND RADIATION ADMINISTRATION**

NOTICE OF APPLICATION AND INFORMATIONAL MEETING

The Maryland Department of the Environment, Air and Radiation Administration (ARA) received a permit-to-construct application from Mountaire Farms, Inc. – Westover Feed Mill on June 29, 2023 for the modification of hammermills to increase throughput and the installation of grain handling equipment. The proposed installation will be located at 30607 Revels Neck Road, Westover, MD 21871.

In accordance with HB 1200/Ch. 588 of 2022, the applicant provided an environmental justice (EJ) Score for the census tract in which the project is located using the Maryland EJ mapping tool. The EJ Score, expressed as a statewide percentile, was shown to be 67.17 which the Department has verified. This score considers three demographic indicators – minority population above 50%, poverty rate above 25% and limited English proficiency above 15%.

Copies of the application, the EJ mapping tool screening report (which includes the score), and other supporting documents are available for public inspection on the Department's website at <https://mde.maryland.gov/programs/Permits/AirManagementPermits/Pages/index.aspx> (click on Docket Number 12-23). Any applicant-provided information regarding a description of the environmental and socioeconomic indicators contributing to that EJ score can also be found at the listed website. Such information has not yet been reviewed by the Department. A review of the submitted information will be conducted when the Department undertakes its technical review of all documents included in the application.

Pursuant to the Environment Article, Section 1-603, Annotated Code of Maryland, an Informational Meeting has been scheduled so that citizens can discuss the application and the permit review process with the applicant and the Department.

A community informational meeting has been scheduled so that citizens can discuss the application and the permit with the applicant and the Department. The community informational meeting will be held virtually on November 8, 2023 at 6:00 p.m.

To attend the meeting, please register using the following link no later than November 7, 2023:

<https://forms.gle/et3dXd6GPCostmXy7>

Registered attendees will receive instructions on how to join the virtual meeting using a computer and internet connection or telephone.

The Department will provide an interpreter for deaf and hearing impaired persons provided that a request is made for such service at least ten (10) days prior to the meeting.

Further information may be obtained by calling Ms. Shannon Heafey at 410-537-4433.

Christopher R. Hoagland, Director
Air and Radiation Administration

MARYLAND DEPARTMENT OF THE ENVIRONMENT

**AIR AND RADIATION ADMINISTRATION
APPLICATION FOR A PERMIT TO CONSTRUCT**

**SUPPLEMENT 2 TO
DOCKET #12-23**

COMPANY: Mountaire Farms, Inc. – Westover Feed Mill
LOCATION: 30607 Revells Neck Road, Westover, MD 21871
APPLICATION: Modification of hammermills to increase throughput and the installation of grain handling equipment

<u>ITEM</u>	<u>DESCRIPTION</u>
1	Notice of Tentative Determination, Opportunity to Request a Public Hearing, and Opportunity to Submit Written Comments
2	Fact Sheet and Tentative Determination
3	Draft Permit to Construct and Conditions
4	Supplemental Information
5	Privilege Log – Not Applicable

**MARYLAND DEPARTMENT OF THE ENVIRONMENT
AIR AND RADIATION ADMINISTRATION**

**NOTICE OF TENTATIVE DETERMINATION, OPPORTUNITY TO REQUEST
A PUBLIC HEARING, AND OPPORTUNITY TO SUBMIT WRITTEN COMMENTS**

FIRST NOTICE

The Department of the Environment, Air and Radiation Administration (ARA) has completed its review of an application for a Permit to Construct submitted by Mountaire Farms, Inc. – Westover Feed Mill on June 29, 2023 for the modification of hammermills to increase throughput and the installation of grain handling equipment. The proposed installation will be located at 30607 Revells Neck Road, Westover, MD 21871.

Pursuant to Section 1-604, of the Environment Article, Annotated Code of Maryland, the Department has made a tentative determination that the Permit to Construct can be issued and is now ready to receive public comment on the application.

Copies of the Department's tentative determination, the application, the draft permit to construct with conditions, and other supporting documents are available for public inspection on the Department's website. Look for Docket #04-22 at the following link:

<https://mde.maryland.gov/programs/Permits/AirManagementPermits/Pages/index.aspx>

In accordance with HB 1200/Ch. 588 of 2022, the applicant provided an environmental justice (EJ) Score for the census tract in which the project is located using the Maryland EJ mapping tool. The EJ Score, expressed as a statewide percentile, was shown to be 67.1, which the Department has verified. This score considers three demographic indicators – minority population above 50%, poverty rate above 25%, and limited English proficiency above 15%. The Department's review of the environmental and socioeconomic indicators contributing to that EJ score is included in the tentative determination that is available for public inspection.

Interested persons may request a public hearing and/or submit written comments on the tentative determination. Requests for a public hearing must be submitted in writing and must be received by the Department no later than 20 days from the date of this notice. A requested public hearing will be held virtually using teleconference or internet-based conferencing technology unless a specific request for an in-person public hearing is received. Written comments must be received by the Department no later than 30 days from the date of this notice.

Interested persons may request an extension to the public comment period. The extension request must be submitted in writing and must be received by the Department no later than 30 days from the date of this notice or within 5 days after the hearing (if a hearing is requested), whichever is later. The public comment period may only be extended one time for a 60-day period.

All requests for a public hearing, requests for an extension to the public comment period, and all written comments should be directed to the attention of Ms. Shannon Heafey, Air Quality Permits Program by email to shannon.heafey@maryland.gov or by mail to the Air and Radiation Administration, 1800 Washington Boulevard, Baltimore, Maryland 21230.

Further information may be obtained by calling Ms. Shannon Heafey at 410-537-4433.

Christopher R. Hoagland, Director
Air and Radiation Administration

**MARYLAND DEPARTMENT OF ENVIRONMENT
AIR AND RADIATION ADMINISTRATION**

**FACT SHEET AND TENTATIVE DETERMINATION
MOUNTAIRE FARMS, INC. – WESTOVER FEED MILL**

**PROPOSED MODIFICATION OF HAMMERMILLS TO INCREASE THROUGHPUT AND
INSTALLATION OF GRAIN HANDLING EQUIPMENT AT AN EXISTING FEED MILL**

I. INTRODUCTION

The Maryland Department of the Environment (the "Department") received an application from Mountaire Farms Inc. – Westover Feed Mill on June 29, 2023 for a Permit to Construct for the modification of hammermills to increase throughput and the installation of grain handling equipment. The proposed installations will be located at 30607 Revells Neck Road, Westover, MD 21871.

A notice was placed in The Eastern Shore News on September 13, 2023 and September 20, 2023 announcing an opportunity to request an informational meeting to discuss the application for a Permit to Construct. A virtual informational meeting was requested.

A notice was placed in The Salisbury Daily Times on October 27, 2023 and November 2, 2023 announcing a scheduled virtual informational meeting to discuss the permit to construct application. The virtual informational meeting was held on November 8, 2023.

As required by law, all public notices were also provided to elected officials in all State, county, and municipality legislative districts located within a one mile radius of the facility's property boundary.

The Department has reviewed the application and has made a tentative determination that the proposed installation is expected to comply with all applicable air quality regulations. A notice will be published to provide the public with opportunities to request a public hearing and to comment on the application, the Department's tentative determination, the draft permit conditions, and other supporting documents. The Department will not schedule a public hearing unless a legitimate request is received.

If the Department does not receive any comments that are adverse to the tentative determination, the tentative determination will automatically become a final determination. If adverse comments are received, the Department will review the comments, and will then make a final determination with regard to issuance or denial of the permit. A notice of final determination will be published in a newspaper of general circulation in the affected area. The final determination may be subject to judicial review pursuant to Section 1-601 of the Environment Article, Annotated Code of Maryland.

II. CURRENT STATUS AND PROPOSED INSTALLATION

A. Current Status

Mountaire owns a feed mill in Westover, Somerset County. The facility contains a feed mill pelletizer, hammermills, grain handling equipment, and a boiler.

The facility operates under a State Permit to Operate that was issued June 8, 2023 and expires May 31, 2028.

B. Proposed Installation

The facility is proposing to install new equipment as well as replace equipment destroyed in the explosion. The following equipment will be installed:

One (1) fully enclosed mixer discharge surge hopper with a capacity of 3 tons;
One (1) fully enclosed mixer surge discharge conveyor with a capacity of 108 tons per hour;
One (1) fully enclosed mash transfer leg #1 with a capacity of 108 tons per hour;
One (1) fully enclosed mash transfer leg #2 with a capacity of 108 tons per hour;
One (1) fully enclosed mash leg bucket elevator with a capacity of 110 tons per hour;
and
One (1) fully enclosed finish feed swing turnhead.

The two (2) Champion hammermills shall be modified such that their maximum throughput capacity does not exceed 85 tons per hour.

III. APPLICABLE REGULATIONS

The proposed installations are subject to all applicable Federal and State air quality control regulations, including, but not limited to the following:

- (a) 40 CFR 60, Subpart DD, which provides opacity limitations for Grain Elevators.
- (b) 40 CFR 63, Subpart DDDDDDD, which provides management practices for Prepared Feeds Manufacturing.
- (c) COMAR 26.11.01.07C, which requires that the Permittee report to the Department occurrences of excess emissions.
- (d) COMAR 26.11.02.19C & D, which require that the Permittee submit to the Department annual certifications of emissions, and that the Permittee maintain sufficient records to support the emissions information presented in the submittals.
- (e) COMAR 26.11.06.02C(1), which limits visible emissions other than uncombined water to not more than 20 percent opacity.

- (f) COMAR 26.11.06.03B(1), which limits the concentration of particulate matter in any exhaust gases to not more than 0.05 grains per standard cubic foot of dry exhaust gas.
- (g) COMAR 26.11.06.03C and D, which requires that the Permittee take reasonable precautions to prevent particulate matter from unconfined sources and materials handling and construction operations from becoming airborne.
- (h) COMAR 26.11.06.08 and 26.11.06.09, which generally prohibit the discharge of emissions beyond the property line in such a manner that a nuisance or air pollution is created.
- (i) COMAR 26.11.15.05, which requires that the Permittee implement “Best Available Control Technology for Toxics” (T – BACT) to control emissions of toxic air pollutants.
- (j) COMAR 26.11.15.06, which prohibits the discharge of toxic air pollutants to the extent that such emissions will unreasonably endanger human health.
- (k) COMAR 26.11.18.03A(1) which prohibits the operation of any grain-drying installation unless particulate matter emissions are reduced through the use of a 24 mesh screen or other equivalent device.
- (l) COMAR 26.11.18.03A(2) which prohibits the operation of any grain-handling installation without taking reasonable precautions to prevent particulate matter from becoming airborne.

IV. GENERAL AIR QUALITY

The U.S. Environmental Protection Agency (EPA) has established primary and secondary National Ambient Air Quality Standards (NAAQS) for six (6) criteria pollutants, i.e., sulfur dioxide, particulate matter, carbon monoxide, nitrogen dioxide, ozone, and lead. The primary standards were established to protect public health, and the secondary standards were developed to protect against non-health effects such as damage to property and vegetation.

The Department utilizes a statewide air monitoring network, operated in accordance with EPA guidelines, to measure the concentrations of criteria pollutants in Maryland’s ambient air. The measurements are used to project statewide ambient air quality, and currently indicate that Somerset County complies with the NAAQS for sulfur dioxide, particulate matter, carbon monoxide, nitrogen dioxide, ozone, and lead.

With regard to toxic air pollutants (TAPs), screening levels (i.e., acceptable ambient concentrations for toxic air pollutants) are generally established at 1/100 of allowed worker

exposure levels (TLVs)¹. The Department has also developed additional screening levels for carcinogenic compounds. The additional screening levels are established such that continuous exposure to the subject TAP at the screening level for a period of 70 years is expected to cause an increase in lifetime cancer risk of no more than 1 in 100,000.

V. ENVIRONMENTAL JUSTICE ANALYSIS

The concept behind the term environmental justice (EJ) is that regardless of race, color, national origin, or income, all Maryland residents and communities should have an equal opportunity to enjoy an enhanced quality of life. How to assess whether equal protection is being applied is the challenge.

Communities surrounded by a disproportionate number of polluting facilities puts residents at a higher risk for health problems from environmental exposures. It is important that residents who may be adversely affected by a proposed source be aware of the current environmental issues in their community in order to have meaningful involvement in the permitting process. Resources may be available from government and private entities to ensure that community health is not negatively impacted by a new source located in the community.

Extensive research has documented that health disparities exist between demographic groups in the United States, such as differences in mortality and morbidity associated with factors that include race/ethnicity, income, and educational attainment.

The Maryland General Assembly passed HB 1200, effective October 1, 2022, that adds to MDE's work incorporating diversity, equity and inclusion into our mission to help overburdened and underserved communities with environmental issues. In accordance with HB 1200/Ch, 588 of 2022, the applicant provided an environmental justice (EJ) Score for the census tract in which the proposed source is located using the Maryland EJ mapping tool. The EJ Score, expressed as a statewide percentile, was shown to be 67.1 which the Department has verified. This score considered three demographic indicators – minority population above 50%, poverty rate above 25% and limited English proficiency above 15%.

To account for other sources of pollution surrounding the proposed source, the Department conducted an additional EJ Score analysis to evaluate the impact of other sources located within 1 mile of the proposed source. The highest EJ Score in a census tract located within 1 mile of the proposed source, expressed as a statewide percentile, was shown to be 91.7.

¹ TLVs are threshold limit values (exposure limits) established for toxic materials by the American Conference of Governmental Industrial Hygienists (ACGIH). Some TLVs are established for short-term exposure (TLV – STEL), and some are established for longer-term exposure (TLV – TWA), where TWA is an acronym for time-weight average.

Given that the EJ score in the immediate area where the proposed source is located is 67.1 and is much lower than 97.1 in the adjacent census tract, and there was general public support for the project at the informational meeting held on November 8, 2023, the Department has determined that the proposed source will not significantly affect the area to cause a greater disproportionate impact or higher risk of health problems from environmental exposures than in other areas in Maryland. The Department has reviewed the air quality impacts from this proposed installation and has determined that the proposed installation will meet all applicable air quality standards.

VI. COMPLIANCE DEMONSTRATION AND ANALYSIS

The proposed installation must comply with all State imposed emissions limitations and screening levels, as well as the NAAQS. The Department has conducted an engineering and air quality review of the application. The emissions were projected based on EPA emission factors. The conservative U.S. EPA's SCREEN3 model was used to project the maximum ground level concentrations from the proposed facility, which were then compared to the screening levels and the NAAQS.

- A. Estimated Emissions** – Particulate matter is the only criteria air pollutant emitted from the modification of the hammermills and installation of the grain handling equipment. The maximum emissions of particulate matter from the proposed installation are listed in Table I.
- B. Compliance with National Ambient Air Quality Standards** - The maximum ground level concentration for particulate matter, based on the emissions from the proposed installation are listed in column 2 of Table II. The combined impact of the projected contribution from the proposed installation and the ambient background concentration for particulate matter shown in column 3 of Table II is less than the NAAQS for each pollutant shown in column 4.
- C. Compliance with Air Toxics Regulations** – There are no toxic air pollutants of concern that will be emitted with the modification of the hammermills and installation of the grain handling equipment.

VII. TENTATIVE DETERMINATION

Based on the above information, the Department has concluded that the proposed installations will comply with all applicable Federal and State air quality control requirements. In accordance with the Administrative Procedure Act, Department has made a tentative determination to issue the Permit to Construct.

Enclosed with the tentative determination is a copy of the draft Permit to Construct.

**TABLE I
PROJECTED MAXIMUM EMISSIONS FROM THE PROPOSED INSTALLATION**

POLLUTANT	PROJECTED MAXIMUM EMISSIONS FROM PROPOSED INSTALLATION	
	(lbs/day)	(tons/year)
Particulate Matter (PM ₁₀)	93.8	17.1

**TABLE II
PROJECTED IMPACT OF EMISSIONS OF CRITERIA POLLUTANTS FROM THE PROPOSED INSTALLATION ON AMBIENT AIR QUALITY**

POLLUTANTS	MAXIMUM OFF-SITE GROUND LEVEL CONCENTRATIONS CAUSED BY EMISSIONS FROM PROPOSED PROCESS (µg/m ³)	BACKGROUND AMBIENT AIR CONCENTRATIONS (µg/m ³)*	NATIONAL AMBIENT AIR QUALITY STANDARDS (NAAQS) (µg/m ³)
Particulate Matter (PM ₁₀)	24-hr max → 53	24-hr max. → 23	24-hr max. → 150

*Background concentrations were obtained from Maryland air monitoring stations as follows:

PM₁₀ → Hillen Road Monitoring Station in Baltimore City

DRAFT PERMIT

Wes Moore

Serena McIlwain

Air and Radiation Administration

1800 Washington Boulevard, Suite 720
Baltimore, MD 21230

Construction Permit

Operating Permit

PERMIT NO.:
As Listed on Page 2

DATE ISSUED:
[TBD]

PERMIT FEE:
\$1500.00

EXPIRATION DATE:
To Be Paid in Accordance With
COMAR 26.11.02.04B

LEGAL OWNER & ADDRESS

Mountaire Farms, Inc.
P.O. Box 1320
Millsboro, DE 19966
Attention: Mr. Kyle McConnell,
Environmental Manager

SITE

Mountaire Farms Inc. – Westover Feed Mill
30607 Revells Neck Rd
Westover, MD 21871
AI # 22182

SOURCE DESCRIPTION

This permit authorizes the modification of two (2) hammermills to a throughput of 85 tons per hour and the installation of grain handling equipment.

This Permit serves as a Temporary Permit to Operate for a period of 180 days after the startup of the modified hammermills.

This permit supersedes all previous permits to construct issued to ARA Premises No. 039-0072.

This source is subject to the conditions described on the attached pages.

Program Manager

Director, Air and Radiation Administration

**MOUNTAIRE FARMS, INC. – WESTOVER FEED MILL
 PERMIT-TO-CONSTRUCT CONDITIONS
 PREMISES No. 039-0072**

INDEX

- Part A – General Provisions
- Part B – Applicable Regulations
- Part C – Construction Conditions
- Part D – Operating Conditions
- Part E – Notifications, Testing and Monitoring
- Part F – Record Keeping and Reporting
- Part G – Temporary Permit-To-Operate Conditions

This permit covers the following registered installations:

ARA Registration No.	Description	Date of Installation
039-0072-5-0017	Cleaver Brooks natural gas-fired boiler rated at 13.4 MMBTU/hr with propane as a secondary fuel	2018 Modified in 2022
039-0072-8-0028	Two (2) Champion Hammermills rated at 85 tph controlled by a baghouse (BH-1)	1999 Modified in 2024
039-0072-8-0030	Truck (Grain) Receiving Pit controlled by a baghouse (BH-4)	1965 Modified in 2004 and 2022
039-0072-8-0031	Corn Rail Unloading Pit	1965 Modified in 2004
039-0072-8-0032	Feed Ingredient Truck Pit controlled by a baghouse (BH-5)	1965 Modified in 2004 and 2022
039-0072-8-0033	Rail Feed Ingredient Receiving Pit	1965 Modified in 2004
039-0072-8-0039	85 tph Feed Mill Pellet Line equipped with a HE multi-cyclone, includes one (1) finished feed system with loadouts	2017 Modified in 2024
039-0072-8-0042	One (1) Zimmerman Grain Dryer with a capacity of 10,000 bushels/hr and natural gas burner rated at 108 MMBTU/hr	2022
039-0072-9-0069	Material Storage: Two (2) storage silos, two (2) wet storage tanks, twenty-five (25) storage bags, and one (1) salt bin with a baghouse (BH-2)	2004 Modified in 2022
039-0072-8-0041	Indoor scale systems: <ul style="list-style-type: none"> - Major Scale - Minor Scale - Micro Scale controlled by a baghouse (BH-3) 	2004 Modified in 2022
039-0072-8-0040	Grain Handling Equipment: <ul style="list-style-type: none"> - Three (3) gravity loadouts - One (1) mechanical grain loadout controlled by a dust suppression hopper - Ten (10) material processing legs rated at 108 tph, 108 tph, 390 tph, 20,000 bushels/hr, 15,000 bushels/hr, 6,978 bushels/hr, 5,000, bushels/hr, 4558 bushels/hr, 4,645 bushels/hr, and 5,167 bushels/hr - Mineral Oil Application System 	2004 Modified in 2022 and 2024

**MOUNTAIRE FARMS, INC. – WESTOVER FEED MILL
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES No. 039-0072**

Part A – General Provisions

- (1) The following Air and Radiation Administration (ARA) permit-to-construct applications [and supplemental information] are incorporated into this permit by reference:
- (a) All valid Applications for Processing or Manufacturing Equipment (Form 5) received at Department prior to the issuance of this permit and pertaining to ARA Premises No. 039-0072 including the one (1) application for grain handling equipment and hammermill throughput increase received June 29, 2023.
 - (b) All valid Applications for Gas Cleaning or Emission Control Equipment (Form 6) received at Department prior to the issuance of this permit and pertaining to ARA Premises No. 039-0072.
 - (c) All valid Toxic Air Pollutant (TAP) Emissions Summary and Compliance Demonstration (Form 5T) received at Department prior to the issuance of this permit and pertaining to ARA Premises No. 039-0072.
 - (d) All valid Emission Point Data (Form 5EP) received at Department prior to the issuance of this permit and pertaining to ARA Premises No. 039-0072.
 - (e) Supplemental Information: Zoning Approval, Site Plan, Equipment Lists, and Emissions Calculation received June 29, 2023.

If there are any conflicts between representations in this permit and representations in the applications, the representations in the permit shall govern. Estimates of dimensions, volumes, emissions rates, operating rates, feed rates and hours of operation included in the applications do not constitute enforceable numeric limits beyond the extent necessary for compliance with applicable requirements.

- (2) Upon presentation of credentials, representatives of the Maryland Department of the Environment (“MDE” or the “Department”) and the Somerset County Health Department shall at any reasonable time be granted, without delay and without prior notification, access to the Permittee’s property and permitted to:
- (a) inspect any construction authorized by this permit;

**MOUNTAIRE FARMS, INC. – WESTOVER FEED MILL
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES No. 039-0072**

- (b) sample, as necessary to determine compliance with requirements of this permit, any materials stored or processed on-site, any waste materials, and any discharge into the environment;
 - (c) inspect any monitoring equipment required by this permit;
 - (d) review and copy any records, including all documents required to be maintained by this permit, relevant to a determination of compliance with requirements of this permit; and
 - (e) obtain any photographic documentation or evidence necessary to determine compliance with the requirements of this permit.
- (3) The Permittee shall notify the Department prior to increasing quantities and/or changing the types of any materials referenced in the application or limited by this permit. If the Department determines that such increases or changes constitute a modification, the Permittee shall obtain a permit-to-construct prior to implementing the modification.
- (4) Nothing in this permit authorizes the violation of any rule or regulation or the creation of a nuisance or air pollution.
- (5) If any provision of this permit is declared by proper authority to be invalid, the remaining provisions of the permit shall remain in effect.
- (6) This permit supersedes all valid permits to construct issued to ARA Premises No. 039-0072.
- (7) Subsequent to issuance of this permit, the Department may impose additional and modified requirements that are incorporated into a State permit-to-operate issued pursuant to COMAR 26.11.02.13.

Part B – Applicable Regulations

- (1) This source is subject to all applicable federal air pollution control requirements including, but not limited to, the following:
- (a) All applicable terms, provisions, emissions standards, testing, monitoring, record keeping, and reporting requirements included in federal New Source Performance Standards (NSPS) promulgated under 40 CFR 60, Subparts A, Dc for Small Industrial-Commercial-Institutional Steam Generating Units, and DD for Grain Elevators

**MOUNTAIRE FARMS, INC. – WESTOVER FEED MILL
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES No. 039-0072**

- (b) All applicable terms, provisions, emissions standards, testing, monitoring, record keeping, and reporting requirements included in the National Emissions Standards for Hazardous Air Pollutants (NESHAP) promulgated under 40 CFR 63, Subparts A and DDDDDDD for Prepared Feeds Manufacturing.

All notifications required under 40 CFR 60, Subparts A, Dc, and DD and 40 CFR 63, Subparts A and DDDDDDD shall be submitted to both of the following:

The Administrator
Compliance Program
Maryland Department of the Environment
Air and Radiation Administration
1800 Washington Boulevard, STE 715
Baltimore MD 21230

and

United States Environmental Protection Agency
Region III, Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, PA 19103-2852

- (2) This source is subject to all applicable federally enforceable State air pollution control requirements including, but not limited to, the following regulations:
 - (a) COMAR 26.11.01.07C, which requires that the Permittee report to the Department occurrences of excess emissions.
 - (b) COMAR 26.11.02.04B, which states that a permit to construct or an approval expires if, as determined by the Department:
 - (i) Substantial construction or modification is not commenced within 18 months after the date of issuance of the permit or approval, unless the Department specifies a longer period in the permit or approval;
 - (ii) Construction or modification is substantially discontinued for a period of 18 months after the construction or modification has commenced; or

MOUNTAIRE FARMS, INC. – WESTOVER FEED MILL
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES No. 039-0072

- (iii) The source for which the permit or approval was issued is not completed within a reasonable period after the date of issuance of the permit or approval.
 - (c) COMAR 26.11.02.09A, which requires that the Permittee obtain a permit-to-construct if an installation is to be modified in a manner that would cause changes in the quantity, nature, or characteristics of emissions from the installation as referenced in this permit.
 - (d) COMAR 26.11.06.02C(1), which limits visible emissions other than uncombined water to not more than 20 percent opacity.
 - (e) COMAR 26.11.06.03B(1), which limits the concentration of particulate matter in any exhaust gases to not more than 0.05 grains per standard cubic foot of dry exhaust gas.
 - (f) COMAR 26.11.06.03C and D, which requires that the Permittee take reasonable precautions to prevent particulate matter from unconfined sources and materials handling and construction operations from becoming airborne.
 - (g) COMAR 26.11.09.05A(1), which limits visible emissions to 20% from fuel burning equipment.
- (3) This source is subject to all applicable State-only enforceable air pollution control requirements including, but not limited to, the following regulations:
- (a) COMAR 26.11.02.13A(16 and 25), which requires that the Permittee obtain from the Department, and maintain and renew as required, a valid State permit-to-operate.
 - (b) COMAR 26.11.02.14D, which requires that the Permittee submit to the Department not later than 60 days prior to initiating operation of the installation for which this permit is issued a completed application for a State permit-to-operate.
 - (c) COMAR 26.11.02.19C & D, which require that the Permittee submit to the Department annual certifications of emissions, and that the Permittee maintain sufficient records to support the emissions information presented in such submittals.
 - (d) COMAR 26.11.06.08 and 26.11.06.09, which generally prohibit the discharge of emissions beyond the property line in such a manner that a nuisance or air pollution is created.

**MOUNTAIRE FARMS, INC. – WESTOVER FEED MILL
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES No. 039-0072**

- (e) COMAR 26.11.15.05, which requires that the Permittee implement “Best Available Control Technology for Toxics” (T – BACT) to control emissions of toxic air pollutants.
- (f) COMAR 26.11.15.06, which prohibits the discharge of toxic air pollutants to the extent that such emissions would unreasonably endanger human health.
- (g) COMAR 26.11.18.03A(1) which prohibits the operation of any grain-drying installation unless particulate matter emissions are reduced through the use of a 24 mesh screen or other equivalent device.
- (h) COMAR 26.11.18.03A(2) which prohibits the operation of any grain-handling installation without taking reasonable precautions to prevent particulate matter from becoming airborne.

Part C – Construction Conditions

- (1) Except as otherwise provided in this part, the following installations shall be constructed in accordance with specifications included in the incorporated applications:
 - (a) One (1) fully enclosed mixer discharge surge hopper with a capacity of 3 tons;
 - (b) One (1) fully enclosed mixer surge discharge conveyor with a capacity of 108 tons per hour;
 - (c) One (1) fully enclosed mash transfer leg #1 with a capacity of 108 tons per hour;
 - (d) One (1) fully enclosed mash transfer leg #2 with a capacity of 108 tons per hour;
 - (e) One (1) fully enclosed mash leg bucket elevator with a capacity of 110 tons per hour; and
 - (f) One (1) fully enclosed finish feed swing turnhead.
- (2) The two (2) Champion hammermills shall be modified such that their maximum throughput capacity does not exceed 85 tons per hour.

**MOUNTAIRE FARMS, INC. – WESTOVER FEED MILL
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES No. 039-0072**

Part D1 – General Operating Conditions

- (1) Except as otherwise provided in this part, all registered installations shall be operated in accordance with specifications included in the application and any operating procedures recommended by equipment vendors unless the Permittee obtains from the Department written authorization for alternative operating procedures.
- (2) During operation of the two (2) Champion Hammermills, particulate matter emissions shall be captured and exhausted to a baghouse prior to discharging to the atmosphere.
- (3) During operation of the major and minor scales, particulate matter emissions shall be captured and exhausted to a baghouse prior to discharging to the atmosphere.
- (4) The one (1) salt bin shall have particulate matter emissions captured and exhausted to a baghouse prior to discharging to the atmosphere.
- (5) The Permittee shall burn only propane or natural gas as fuel in the Cleaver Brooks boiler unless the Permittee obtains an approval from the Department to burn alternate fuels.

Part D2 – Feed Mill Pellet Line Operating Conditions

- (1) In all areas of the Feed Mill Pellet Line, including the one (1) finished feed system and loadouts, where materials contain chromium or manganese, the Permittee shall maintain the following management practices and housekeeping measures to minimize dust:
 - (a) Use either an industrial vacuum system or manual sweeping to reduce the amount of dust;
 - (b) At least once per month, remove dust from walls, ledges, and equipment using low pressure air or by other means, and then sweep or vacuum the area;
 - (c) Keep exterior doors in the immediate affected areas shut except during normal ingress and egress, as practicable. This does not apply to areas where finished product is stored in closed containers, and no other materials containing chromium or manganese are present.

**MOUNTAIRE FARMS, INC. – WESTOVER FEED MILL
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES No. 039-0072**

- (d) Maintain and operate all process equipment in accordance with manufacturer's specifications and in a manner to minimize dust creation.
 - (e) Store any raw materials containing chromium or manganese in closed containers.
 - (f) The mixer where materials containing chromium or manganese are added must be covered at all times when mixing is occurring, except when the materials are being added to the mixer. Materials containing chromium or manganese must be added to the mixer in a manner that minimizes emissions.
- (2) During operation of the Feed Mill Pellet Line, particulate matter emissions shall be captured and routed to the HE multi-cyclone designed to reduce emissions of particulate matter by 95 percent or greater.
 - (3) The HE multi-cyclone shall be operated according to manufacturer specifications.
 - (4) The Feed Mill Pellet Line shall have a maximum throughput rating of 85 tons per hour.

Part D3 – Grain Handling and Processing Operating Conditions

- (1) In accordance with COMAR 26.11.18.03A(2), the Permittee may not cause or permit the operation of any grain drying or handling operation unless the following procedures are used:
 - (a) proper housekeeping and equipment maintenance procedures, including, but not limited to, prompt removal of “beeswing” accumulation by a technique which prevents this material from re-entering the ambient air; and
 - (b) reasonable precautions to minimize emissions from grain receiving, conveyance, or load-out facilities in accordance with good engineering design and operation procedures.
- (2) In accordance with COMAR 26.11.18.03A(1), the Permittee may not cause or permit the operation of any grain drying installation unless all exhaust gases discharged pass through a 24 mesh screen or the installation is fitted with other equipment or incorporates design features that will accomplish equally effective

MOUNTAIRE FARMS, INC. – WESTOVER FEED MILL
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES No. 039-0072

results in reducing particulate matter discharge. “Mesh” means Tyler Standard Screen Scale or its equivalent.

- (3) The Permittee shall burn only natural gas as fuel for the grain dryer unless the Permittee obtains an approval from the Department to burn alternate fuels.
- (4) From the one (1) grain dryer the Permittee shall not cause to be discharged into the atmosphere any emissions which exhibit greater than 0 percent. The standard for opacity stated in this condition does not apply during periods of startup, shutdown and malfunction. **[Reference: 40 CFR §60.302(a) and 40 CFR §60.11(c)]**
- (5) The Truck (Grain) Receiving Pit (ARA Registration No. 039-0072-8-0030) and the Feed Ingredient Truck Pit (ARA Registration No. 039-0072-8-0032) shall each have fugitive dust be captured and vented to a baghouse prior to exhausting to the atmosphere.
- (6) The Permittee shall not cause to be discharged into the atmosphere any fugitive emissions which exhibit opacity greater than 5 percent for the following emission sources:
 - (a) Truck (Grain) Receiving Pit (ARA Registration No. 039-0072-8-0030);
 - (b) Feed Ingredient Truck Pit (ARA Registration No. 039-0072-8-0032);
 - (c) Corn Rail Unloading Pit (ARA Registration No. 039-0072-8-0031); and
 - (d) Rail Feed Ingredient Receiving Pit (ARA Registration No. 039-0072-8-0033).**[Reference: 40 CFR §60.302(c)(1)]**
- (7) The Permittee shall not cause to be discharged into the atmosphere any fugitive emissions which exhibit opacity greater than 0 percent for the six (6) material processing legs rated at 108 tph, 108 tph, 390 tph, 4558 bushels/hr, 4645 bushels/hr, and 3500 bushels/hr (ARA Registration No. 039-0072-8-0040). **[Reference: 40 CFR §60.302(c)(2)]**
- (8) The Permittee shall not cause to be discharged into the atmosphere any fugitive emissions which exhibit opacity greater than 10 percent for the following emission sources:
 - (a) Three (3) gravity loadouts (ARA Registration No. 039-0072-8-0040); and

**MOUNTAIRE FARMS, INC. – WESTOVER FEED MILL
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES No. 039-0072**

- (b) One (1) mechanical grain loadout controlled by a dust suppression system (ARA Registration No. 039-0072-8-0040).
[Reference: 40 CFR §60.302(c)(3)]
- (9) The standards for opacity stated conditions (4), (6), (7) and (8) do not apply during periods of startup, shutdown and malfunction. **[Reference: 40 CFR §60.11(c)]**
- (10) Mineral oil application shall be used to control fugitive dust from all grain receiving and handling operations to meet the opacity standards of 40 CFR §60.302(c) when applicable.

Part E – Monitoring Requirements

- (1) The Permittee shall perform quarterly inspections of the HE multi-cyclone on the Feed Pellet Line for corrosion, erosion, or any other damage that could result in air in-leakage.
- (1) The Permittee shall monitor the inlet flow rate, inlet velocity, pressure drop, or fan amperage at least once per day when the Feed Mill Pellet Line is in operation.

Part F – Notifications, Testing and Monitoring

- (1) The Permittee shall submit written or electronic notification to the Department of the actual date of initial startup of the modified hammermills and mash transfer legs within 15 days after such date.
- (2) Not later than 180 days after initial start up of the modified hammermills and mash transfer legs the Permittee shall demonstrate compliance with all applicable opacity standards. **[Reference: 40 CFR §60.11 and §60.303(b)(3)]**
- (3) The Permittee shall use Method 9 of Appendix A-4 to 40 CFR, Part 60 and the procedures in 40 CFR §60.11.
- (4) In accordance with 40 CFR, Subpart A, §60.8, the Permittee shall notify the Department in writing at least 30 days prior to any performance test to afford the Department the opportunity to have an observer present. In the event of a delay to the original test date, the Permittee shall notify the Department as soon as possible, either by providing at least 7 days prior notice of the rescheduled date of the performance test, or by arranging a rescheduled date with the Department.

**MOUNTAIRE FARMS, INC. – WESTOVER FEED MILL
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES No. 039-0072**

- (5) Within 45 days following the required Method 9 observations, the Permittee shall submit the results to the Department.

Part G – Record Keeping and Reporting

- (1) The Permittee shall maintain for at least five (5) years, and shall make available to the Department upon request, records of the following information:
- (a) Monthly amount and type of fuel combusted in the Cleaver Brooks boiler; **[Reference: 40 CFR §60.48c(g)(2)]**
 - (b) Monthly amount of material processed in the two (2) Champion Hammermills;
 - (c) Monthly amount of material processed in the major and minor scales;
 - (d) Monthly amount of grain processed through each receiving pit and the grain handling equipment;
 - (e) Monthly amount of grain processed through the Zimmerman grain dryer;
 - (f) Monthly amount and type of fuel combusted in the burner for the Zimmerman grain dryer;
 - (g) Monthly amount of feed ingredients processed through the feed ingredient truck pit and the rail feed ingredient receiving pit;
 - (h) The preventative maintenance plan and all required maintenance logs;
 - (i) Monthly amount of feed produced in the Feed Mill Pellet Line;
 - (j) Manufacturer specifications for the HE-multi-cyclone indicating the cyclone is designed to reduce emissions of particulate matter by 95 percent or greater including:
 - i. The inlet flow rate, inlet velocity, pressure drop, or fan amperage range that represents proper operation of the cyclone; and
 - ii. The operation and maintenance procedures to ensure proper operation of the cyclone.

**MOUNTAIRE FARMS, INC. – WESTOVER FEED MILL
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES No. 039-0072**

- (k) Daily records of inlet flow rate, inlet velocity, pressure drop, or fan amperage of the Feed Mill Pellet Line; and
 - (l) Results of all quarterly inspections on the HE multi-cyclone, including:
 - i. The date, time, and location of each inspection;
 - ii. The person performing the inspection;
 - iii. The date, time, and duration of the corrective action period from the time the inspection indicated a problem to the time that the device was replaced or restored to operation.
- (2) By March 1 of every year, the Permittee shall prepare an annual compliance certification report for the previous calendar year including the following information regarding the Feed Mill Pellet Line. If there are any instances of non-compliance as noted in (c) and (d), the report shall be submitted to the Department.
- (a) The company name and address;
 - (b) A statement by a responsible official with that official's name, title, phone number, e-mail address, and signature, certifying the truth, accuracy, and completeness of the notification and a statement of whether the facility has complied with all the relevant standards and requirements of 40 CFR 63, Subpart DDDDDDD.
 - (c) Include a description of deviations from the applicable requirements, the time periods during which the deviations occurred, and the corrective actions taken.
 - (d) Identify all instances when the daily inlet flow rate, inlet velocity, pressure drop, or fan amperage is outside the range that constitutes proper operation of the HE multi-cyclone. In these instances, include the time periods when this occurred and the corrective actions taken.
- (3) The Permittee shall maintain at the facility for at least five (5) years, and shall make available to the Department upon request, records necessary to support annual certifications of emissions and demonstrations of compliance for toxic air pollutants. Such records shall include, if applicable, the following:

**MOUNTAIRE FARMS, INC. – WESTOVER FEED MILL
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES No. 039-0072**

- (a) mass emissions rates for each regulated pollutant, and the total mass emissions rate for all regulated pollutants for each registered source of emissions;
- (b) accounts of the methods and assumptions used to quantify emissions;
- (c) all operating data, including operating schedules and production data, that were used in determinations of emissions;
- (d) amounts, types, and analyses of all fuels used;
- (e) any records, the maintenance of which is required by this permit or by State or federal regulations, that pertain to the operation and maintenance of continuous emissions monitors, including:
 - (i) all emissions data generated by such monitors;
 - (ii) all monitor calibration data;
 - (iii) information regarding the percentage of time each monitor was available for service; and
 - (iv) information concerning any equipment malfunctions.
- (f) information concerning operation, maintenance, and performance of air pollution control equipment and compliance monitoring equipment, including:
 - (i) identifications and descriptions of all such equipment;
 - (ii) operating schedules for each item of such equipment;
 - (iii) accounts of any significant maintenance performed;
 - (iv) accounts of all malfunctions and outages; and
 - (v) accounts of any episodes of reduced efficiency.
- (g) limitations on source operation or any work practice standards that significantly affect emissions; and
- (h) other relevant information as required by the Department.

**MOUNTAIRE FARMS, INC. – WESTOVER FEED MILL
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES No. 039-0072**

- (4) The Permittee shall submit to the Department by April 1 of each year a certification of emissions for the previous calendar year. The certifications shall be prepared in accordance with requirements, as applicable, adopted under COMAR 26.11.01.05 – 1 and COMAR 26.11.02.19D.
- (a) Certifications of emissions shall be submitted on forms obtained from the Department.
 - (b) A certification of emissions shall include mass emissions rates for each regulated pollutant, and the total mass emissions rate for all regulated pollutants for each of the facility's registered sources of emissions.
 - (c) The person responsible for a certification of emissions shall certify the submittal to the Department in the following manner:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."
- (5) The Permittee shall submit to the Department by April 1 of each year a written certification of the results of an analysis of emissions of toxic air pollutants from the Permittee's facility during the previous calendar year. Such analysis shall include either:
- (a) a statement that previously submitted compliance demonstrations for emissions of toxic air pollutants remain valid; or
 - (b) a revised compliance demonstration, developed in accordance with requirements included under COMAR 26.11.15 & 16, that accounts for changes in operations, analytical methods, emissions determinations, or other factors that have invalidated previous demonstrations.
- (6) The Permittee shall report, in accordance with requirements under COMAR 26.11.01.07, occurrences of excess emissions to the Compliance Program of the Air and Radiation Administration.

**MOUNTAIRE FARMS, INC. – WESTOVER FEED MILL
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES No. 039-0072**

Part H – Temporary Permit-to-Operate Conditions

- (1) This permit-to-construct shall also serve as a temporary permit-to-operate that confers upon the Permittee authorization to operate the modified hammermills for a period of up to 180 days after initiating operation.
- (2) The Permittee shall provide the Department with written or electronic notification of the date on which operation of the modified hammermills is initiated. Such notification shall be provided within 15 business days of the date to be reported.
- (3) During the effective period of the temporary permit-to-operate the Permittee shall operate the new installation as required by the applicable terms and conditions of this permit-to-construct, and in accordance with operating procedures and recommendations provided by equipment vendors.
- (4) The Permittee shall submit to the Department an application for a State permit-to-operate no later than 60 days prior to expiration of the effective period of the temporary permit-to-operate.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

AIR AND RADIATION ADMINISTRATION

SUPPLEMENTAL INFORMATION REFERENCES

The Code of Maryland Regulations (COMAR) is searchable by COMAR citation at the following Division of State Documents website:

<http://www.dsd.state.md.us/COMAR/ComarHome.html>

The Code of Federal Regulations (CFR), including New Source Performance Standards (NSPS) at 40 CFR, Part 60 and National Emission Standards for Hazardous Air Pollutants (NESHAP) at 40 CFR, Parts 61 and 63, is searchable by CFR citation at the following U.S. Government Publishing Office website:

<http://www.ecfr.gov>

Information on National Ambient Air Quality Standards (NAAQS) is located at the following U.S. Environmental Protection Agency (EPA) website:

<https://www.epa.gov/criteria-air-pollutants/naaqs-table>

Information on Maryland's Ambient Air Monitoring Program is located at the following Maryland Department of the Environment website:

<http://mde.maryland.gov/programs/Air/AirQualityMonitoring/Pages/index.aspx>

Information on the U.S. EPA's Screen3 computer model and other EPA-approved air dispersion models is located at the following U.S. EPA website:

http://www.epa.gov/scram001/dispersion_screening.htm

Information on the U.S. EPA TANKS Emission Estimation Software is located at the following U.S. EPA website:

<http://www.epa.gov/ttn/chief/software/tanks/index.html>

Information on the U.S. EPA Emission Factors and AP-42 is located at the following U.S. EPA website:

<https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emission-factors>

MARYLAND DEPARTMENT OF THE ENVIRONMENT

**AIR AND RADIATION ADMINISTRATION
APPLICATION FOR A PERMIT TO CONSTRUCT**

**SUPPLEMENT #3 TO
DOCKET #12-23**

COMPANY: Mountaire Farms, Inc. – Westover Feed Mill
LOCATION: 30607 Revells Neck Road, Westover, MD 21871
APPLICATION: Modification of hammermills to increase throughput and the installation of grain handling equipment

<u>ITEM</u>	<u>DESCRIPTION</u>
1	Notice of Tentative Determination, Public Hearing, and Opportunity to Submit Written Comments
2	Tentative Determination (Revised)

**MARYLAND DEPARTMENT OF THE ENVIRONMENT
AIR AND RADIATION ADMINISTRATION**

**NOTICE OF TENTATIVE DETERMINATION, PUBLIC HEARING, AND
OPPORTUNITY TO SUBMIT WRITTEN COMMENTS**

FIRST NOTICE

The Department of the Environment, Air and Radiation Administration (ARA) has completed its review of an application for a Permit to Construct submitted by Mountaire Farms, Inc. – Westover Feed Mill on June 29, 2023 for the modification of hammermills to increase throughput and the installation of grain handling equipment. The proposed installation will be located at 30607 Revells Neck Road, Westover, MD 21871.

The issuance of the Permit-to-Construct for this facility will be the subject of a Virtual Public Hearing to be held on April 22, 2024 at 6:00 p.m.

To attend the hearing, please register using the following link no later than April 19, 2024:

<https://forms.gle/eRFndy2M6HfyPXsMA>

Registered attendees will receive instructions on how to join the virtual hearing using a computer and internet connection or telephone on the day of the hearing.

Pursuant to Section 1-604, of the Environment Article, Annotated Code of Maryland, the Department has made a tentative determination that the Permit to Construct can be issued and is now ready to receive public comment on the application. Copies of the Department's tentative determination, the application, the draft permit to construct with conditions, and other supporting documents are available for public inspection on the Department's website. Look for Docket #12-23 at the following link:

<https://mde.maryland.gov/programs/Permits/AirManagementPermits/Pages/index.aspx>

In accordance with HB 1200/Ch. 588 of 2022, the applicant provided an environmental justice (EJ) Score for the census tract in which the project is located using the Maryland EJ mapping tool. The EJ Score, expressed as a statewide percentile, was shown to be 67.1%, which the Department has verified. This score considers three demographic indicators – minority population above 50%, poverty rate above 25% and limited English proficiency above 15%. The Department's review of the environmental and socioeconomic indicators contributing to that EJ score is included in the tentative determination that is available for public inspection.

Persons who wish to make a statement concerning this application at the hearing are requested to provide the Department with a copy of their statement. In lieu of oral statements at the hearing, written comments may be submitted at the time of the hearing or to the Department no later than 30 days from the date of this notice or within 5 days after the hearing, whichever is later.

Interested persons may request an extension to the public comment period. The extension request must be submitted in writing and must be received by the Department no later than 30 days from the date of this notice or within 5 days after the hearing, whichever is later. The public comment period may only be extended one time for a 60-day period.

All requests for an extension to the public comment period and all written comments should be directed to the attention of Ms. Shannon Heafey by email to shannon.heafey@maryland.gov or by mail to the Air Quality Permits Program, Air and Radiation Administration, 1800 Washington Boulevard, Baltimore, Maryland 21230.

The Department will provide an interpreter for deaf and hearing-impaired persons provided that a request is made for such service at least ten (10) days prior to the hearing. Further information may be obtained by calling Ms. Shannon Heafey at 410-537-4433.

Christopher R. Hoagland, Director
Air and Radiation Administration

**MARYLAND DEPARTMENT OF ENVIRONMENT
AIR AND RADIATION ADMINISTRATION**

**FACT SHEET AND TENTATIVE DETERMINATION
MOUNTAIRE FARMS, INC. – WESTOVER FEED MILL**

**PROPOSED MODIFICATION OF HAMMERMILLS TO INCREASE THROUGHPUT AND
INSTALLATION OF GRAIN HANDLING EQUIPMENT AT AN EXISTING FEED MILL**

I. INTRODUCTION

The Maryland Department of the Environment (the "Department") received an application from Mountaire Farms Inc. – Westover Feed Mill on June 29, 2023 for a Permit to Construct for the modification of hammermills to increase throughput and the installation of grain handling equipment. The proposed installations will be located at 30607 Revells Neck Road, Westover, MD 21871.

A notice was placed in The Eastern Shore News on September 13, 2023 and September 20, 2023 announcing an opportunity to request an informational meeting to discuss the application for a Permit to Construct. A virtual informational meeting was requested.

A notice was placed in The Salisbury Daily Times on October 27, 2023 and November 2, 2023 announcing a scheduled virtual informational meeting to discuss the permit to construct application. The virtual informational meeting was held on November 8, 2023.

As required by law, all public notices were also provided to elected officials in all State, county, and municipality legislative districts located within a one mile radius of the facility's property boundary.

The Department has reviewed the application and has made a tentative determination that the proposed installation is expected to comply with all applicable air quality regulations. A notice was published in The Salisbury Daily Times on February 29, 2024 and March 7, 2024 to provide the public with opportunities to request a public hearing and to comment on the application, the Department's tentative determination, the draft permit conditions, and other supporting documents. A virtual public hearing was requested.

A virtual public hearing has been scheduled for April 22, 2024 at 6:00 PM to provide interested parties an opportunity to comment on the Department's tentative determination and draft permit conditions, and/or to present other pertinent concerns about the proposed facility. Notices concerning the date and time of the virtual public hearing will be published in the legal section of a newspaper with circulation in general area of the proposed facility. Interested parties may also submit written comments.

If the Department does not receive any comments that are adverse to the tentative determination, the tentative determination will automatically become a final determination. If adverse comments are received, the Department will review the comments, and will then make a final determination with regard to issuance or denial of the permit. A notice of final determination will be published in a newspaper of general circulation in the affected area. The final determination may be subject to judicial review pursuant to Section 1-601 of the Environment Article, Annotated Code of Maryland.

II. CURRENT STATUS AND PROPOSED INSTALLATION

A. Current Status

Mountaire owns a feed mill in Westover, Somerset County. The facility contains a feed mill pelletizer, hammermills, grain handling equipment, and a boiler.

The facility operates under a State Permit to Operate that was issued June 8, 2023 and expires May 31, 2028.

B. Proposed Installation

The facility is proposing to install new equipment as well as replace equipment destroyed in the explosion. The following equipment will be installed:

- One (1) fully enclosed mixer discharge surge hopper with a capacity of 3 tons;
- One (1) fully enclosed mixer surge discharge conveyor with a capacity of 108 tons per hour;
- One (1) fully enclosed mash transfer leg #1 with a capacity of 108 tons per hour;
- One (1) fully enclosed mash transfer leg #2 with a capacity of 108 tons per hour;
- One (1) fully enclosed mash leg bucket elevator with a capacity of 110 tons per hour;
- and
- One (1) fully enclosed finish feed swing turnhead.

The two (2) Champion hammermills shall be modified such that their maximum throughput capacity does not exceed 85 tons per hour.

III. APPLICABLE REGULATIONS

The proposed installations are subject to all applicable Federal and State air quality control regulations, including, but not limited to the following:

- (a) 40 CFR 60, Subpart DD, which provides opacity limitations for Grain Elevators.
- (b) 40 CFR 63, Subpart DDDDDDD, which provides management practices for Prepared Feeds Manufacturing.

- (c) COMAR 26.11.01.07C, which requires that the Permittee report to the Department occurrences of excess emissions.
- (d) COMAR 26.11.02.19C & D, which require that the Permittee submit to the Department annual certifications of emissions, and that the Permittee maintain sufficient records to support the emissions information presented in the submittals.
- (e) COMAR 26.11.06.02C(1), which limits visible emissions other than uncombined water to not more than 20 percent opacity.
- (f) COMAR 26.11.06.03B(1), which limits the concentration of particulate matter in any exhaust gases to not more than 0.05 grains per standard cubic foot of dry exhaust gas.
- (g) COMAR 26.11.06.03C and D, which requires that the Permittee take reasonable precautions to prevent particulate matter from unconfined sources and materials handling and construction operations from becoming airborne.
- (h) COMAR 26.11.06.08 and 26.11.06.09, which generally prohibit the discharge of emissions beyond the property line in such a manner that a nuisance or air pollution is created.
- (i) COMAR 26.11.15.05, which requires that the Permittee implement “Best Available Control Technology for Toxics” (T – BACT) to control emissions of toxic air pollutants.
- (j) COMAR 26.11.15.06, which prohibits the discharge of toxic air pollutants to the extent that such emissions will unreasonably endanger human health.
- (k) COMAR 26.11.18.03A(1) which prohibits the operation of any grain-drying installation unless particulate matter emissions are reduced through the use of a 24 mesh screen or other equivalent device.
- (l) COMAR 26.11.18.03A(2) which prohibits the operation of any grain-handling installation without taking reasonable precautions to prevent particulate matter from becoming airborne.

IV. GENERAL AIR QUALITY

The U.S. Environmental Protection Agency (EPA) has established primary and secondary National Ambient Air Quality Standards (NAAQS) for six (6) criteria pollutants, i.e., sulfur dioxide, particulate matter, carbon monoxide, nitrogen dioxide, ozone, and lead. The primary standards

were established to protect public health, and the secondary standards were developed to protect against non-health effects such as damage to property and vegetation.

The Department utilizes a statewide air monitoring network, operated in accordance with EPA guidelines, to measure the concentrations of criteria pollutants in Maryland's ambient air. The measurements are used to project statewide ambient air quality, and currently indicate that Somerset County complies with the NAAQS for sulfur dioxide, particulate matter, carbon monoxide, nitrogen dioxide, ozone, and lead.

With regard to toxic air pollutants (TAPs), screening levels (i.e., acceptable ambient concentrations for toxic air pollutants) are generally established at 1/100 of allowed worker exposure levels (TLVs)¹. The Department has also developed additional screening levels for carcinogenic compounds. The additional screening levels are established such that continuous exposure to the subject TAP at the screening level for a period of 70 years is expected to cause an increase in lifetime cancer risk of no more than 1 in 100,000.

V. ENVIRONMENTAL JUSTICE ANALYSIS

The concept behind the term environmental justice (EJ) is that regardless of race, color, national origin, or income, all Maryland residents and communities should have an equal opportunity to enjoy an enhanced quality of life. How to assess whether equal protection is being applied is the challenge.

Communities surrounded by a disproportionate number of polluting facilities puts residents at a higher risk for health problems from environmental exposures. It is important that residents who may be adversely affected by a proposed source be aware of the current environmental issues in their community in order to have meaningful involvement in the permitting process. Resources may be available from government and private entities to ensure that community health is not negatively impacted by a new source located in the community.

Extensive research has documented that health disparities exist between demographic groups in the United States, such as differences in mortality and morbidity associated with factors that include race/ethnicity, income, and educational attainment.

The Maryland General Assembly passed HB 1200, effective October 1, 2022, that adds to MDE's work incorporating diversity, equity and inclusion into our mission to help overburdened and underserved communities with environmental issues. In accordance with HB 1200/Ch, 588 of 2022, the applicant provided an environmental justice (EJ) Score for the census tract in which the proposed source is located using the Maryland EJ mapping tool. The EJ Score, expressed as a

¹ TLVs are threshold limit values (exposure limits) established for toxic materials by the American Conference of Governmental Industrial Hygienists (ACGIH). Some TLVs are established for short-term exposure (TLV – STEL), and some are established for longer-term exposure (TLV – TWA), where TWA is an acronym for time-weight average.

statewide percentile, was shown to be 67.1 which the Department has verified. This score considered three demographic indicators – minority population above 50%, poverty rate above 25% and limited English proficiency above 15%.

To account for other sources of pollution surrounding the proposed source, the Department conducted an additional EJ Score analysis to evaluate the impact of other sources located within 1 mile of the proposed source. The highest EJ Score in a census tract located within 1 mile of the proposed source, expressed as a statewide percentile, was shown to be 91.7.

Given that the EJ score in the immediate area where the proposed source is located is 67.1 and is much lower than 97.1 in the adjacent census tract, and there was general public support for the project at the informational meeting held on November 8, 2023, the Department has determined that the proposed source will not significantly affect the area to cause a greater disproportionate impact or higher risk of health problems from environmental exposures than in other areas in Maryland. The Department has reviewed the air quality impacts from this proposed installation and has determined that the proposed installation will meet all applicable air quality standards.

VI. COMPLIANCE DEMONSTRATION AND ANALYSIS

The proposed installation must comply with all State imposed emissions limitations and screening levels, as well as the NAAQS. The Department has conducted an engineering and air quality review of the application. The emissions were projected based on EPA emission factors. The conservative U.S. EPA's SCREEN3 model was used to project the maximum ground level concentrations from the proposed facility, which were then compared to the screening levels and the NAAQS.

- A. Estimated Emissions** – Particulate matter is the only criteria air pollutant emitted from the modification of the hammermills and installation of the grain handling equipment. The maximum emissions of particulate matter from the proposed installation are listed in Table I.
- B. Compliance with National Ambient Air Quality Standards** - The maximum ground level concentration for particulate matter, based on the emissions from the proposed installation are listed in column 2 of Table II. The combined impact of the projected contribution from the proposed installation and the ambient background concentration for particulate matter shown in column 3 of Table II is less than the NAAQS for each pollutant shown in column 4.
- C. Compliance with Air Toxics Regulations** – There are no toxic air pollutants of concern that will be emitted with the modification of the hammermills and installation of the grain handling equipment.

VII. TENTATIVE DETERMINATION

Based on the above information, the Department has concluded that the proposed installations will comply with all applicable Federal and State air quality control requirements. In accordance with the Administrative Procedure Act, Department has made a tentative determination to issue the Permit to Construct.

Enclosed with the tentative determination is a copy of the draft Permit to Construct.

**TABLE I
PROJECTED MAXIMUM EMISSIONS FROM THE PROPOSED INSTALLATION**

POLLUTANT	PROJECTED MAXIMUM EMISSIONS FROM PROPOSED INSTALLATION	
	(lbs/day)	(tons/year)
Particulate Matter (PM ₁₀)	93.8	17.1

**TABLE II
PROJECTED IMPACT OF EMISSIONS OF CRITERIA POLLUTANTS FROM THE PROPOSED INSTALLATION ON AMBIENT AIR QUALITY**

POLLUTANTS	MAXIMUM OFF-SITE GROUND LEVEL CONCENTRATIONS CAUSED BY EMISSIONS FROM PROPOSED PROCESS (µg/m ³)	BACKGROUND AMBIENT AIR CONCENTRATIONS (µg/m ³)*	NATIONAL AMBIENT AIR QUALITY STANDARDS (NAAQS) (µg/m ³)
Particulate Matter (PM ₁₀)	24-hr max → 53	24-hr max. → 23	24-hr max. → 150

*Background concentrations were obtained from Maryland air monitoring stations as follows:

PM₁₀ → Hillen Road Monitoring Station in Baltimore City