MARYLAND DEPARTMENT OF THE ENVIRONMENT

AIR AND RADIATION ADMINISTRATION
APPLICATION FOR A PERMIT TO CONSTRUCT

DOCKET #09-24

COMPANY: Mountaire Farms of Delaware, Inc.

LOCATION: 11761 Cordova Rd., Cordova, MD 21625

APPLICATION: A grain drying and handling facility

ITEM	DESCRIPTION
1	Notice of Application and Opportunity to Request an Informational Meeting
2	Environmental Justice (EJ) Information - EJ Fact Sheet and MDE Score and Screening Report
3	Permit to Construct Application Forms – Forms 5, Equipment List, Emissions Calculations, Process Flow Diagram
4	Zoning Approval

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 of Delaware, Inc. on July 19, 2024 for a grain drying and handling facility. The proposed installation is located at 11761 Cordova Rd., Cordova, MD 21625.

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 MDE EJ Screening Tool. The EJ Score, expressed as a statewide percentile, was shown to be 42 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%, to identify underserved communities. Multiple environmental health indicators are used to identify overburdened communities.

Copies of the application, the MDE EJ Screening Tool 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 09-24). 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 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
the Environment

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 MDE EJ Screening Tool is considered a Maryland EJ Tool.

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 MDE EJ Screening Tool considers three demographic indicators, minority population above 50%, poverty rate above 25% and limited English proficiency above 15%, to identify underserved communities, and multiple environmental health indicators to identify overburdened communities. The tool uses these indicators to calculate a

Final EJ Score Percentile, statewide. 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 MDE EJ Screening Tool is located on the Department's website, www.mde.maryland.gov. Click on the Environmental Justice header at the top of the Department's home page, then select EJ Screening Tool from the menu on the left. Click on Launch the EJ Screening Tool. After you open the tool, click okay on the opening screen. 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 and save it in a .pdf format.

The applicant needs to include the MDE Screening Report with the EJ Score from the MDE EJ Screening 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 Screening Report

Area of Interest (AOI) Information

May 16 2024 14:24:07 Eastern Daylight Time

Tabloid ANSI B Landscape

Name	Count	Area(mi²)	Length(mi)
MDE Final EJ Score (%ile score)	1	N/A	N/A
Overburdened Communities Combined Score	1	N/A	N/A
Overburdened Pollution Environmental Score (%ile score)	1	N/A	N/A
Overburdened Exposure Score (%ile score)	1	N/A	N/A
Overburdened Sensitive Population (%ile score)	1	N/A	N/A
Socioeconomic/Demographic Score 2020 (Percentile score) (Underserved Community)	1	N/A	N/A
Air Emissions Facilities	0	N/A	N/A
Sulfur Dioxide (2010)	0	N/A	N/A
Ozone (2015)	1	N/A	N/A
Fine Particles (2012)	1	N/A	N/A
Biosolids FY 2020 and Current Permit Details	0	N/A	N/A
Biosolids FY2010 - 2014 Permit Details	0	N/A	N/A
Biosolids FY2009 Expired Permit Details	0	N/A	N/A
Biosolids FY 2020 and Current Permits Distribution By Acreage	1	N/A	N/A
Biosolids FY2015 - 2019 Permits Distribution By Acreage	1	N/A	N/A
Biosolids FY2010 - 2014 Permits Distribution By Acreage	1	N/A	N/A
Biosolids FY2009 Permits Expired Distribution By Acreage	1	N/A	N/A
Biosolids FY 2020 and Current Permit Distribution By Percent Coverage	1	N/A	N/A
Biosolids FY2015 - 2019 Permit Distribution By Percent Coverage	1	N/A	N/A
Biosolids FY2010 - 2014 Permit Distribution By Percent Coverage	1	N/A	N/A
Biosolids FY2009 Expired Permit Distribution By Percent Coverage	1	N/A	N/A
Concentrated Animal Feeding Operations (CAFOs)	0	N/A	N/A
Composting Facilities	0	N/A	N/A
Food Scrap Acceptors	0	N/A	N/A
Landfills	0	N/A	N/A
Correctional Facilities	0	N/A	N/A
Industrial Food Suppliers	0	N/A	N/A
Residential Colleges	0	N/A	N/A
Non-Residential Colleges	0	N/A	N/A
Hospitals	0	N/A	N/A
High Schools	0	N/A	N/A
Grocery Stores	0	N/A	N/A
10 Miles from Landfill	3	N/A	N/A
10 Miles from Composting Facility	0	N/A	N/A
General Composting Facilities Tier 2 (MD)	0	N/A	N/A
Commercial Anaerobic Digester (MD)	0	N/A	N/A
Out of State Facilities	0	N/A	N/A
30 mile buffer (Maryland)	1	N/A	N/A
30 Mile Buffer (Out of State)	0	N/A	N/A
Land Restoration Facilities	0	N/A	N/A
Determinations (points)	0	N/A	N/A
Determinations (areas)	0	N/A	N/A
Entities	0	N/A	N/A
Active Coal Mine Sites	0	N/A	N/A
Historic Mine Facilities	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
Maryland Dam Locations	0	N/A	N/A
Maryland Pond Locations	0	N/A	N/A
Surface Water Intakes	0	N/A	N/A
Wastewater Discharge Facilities	0	N/A	N/A
Drinking Water	0	N/A	N/A
Clean Water	0	N/A	N/A

MDE Final EJ Score (%ile score)

#	Census tract identifier	Geographic Area Name	Total Population	Final EJ Score Percent (for this tract)	Final EJ Score Percentile (Distribution across Maryland)	Area(mi²)
1	24041960100	Census Tract 9601, Talbot County, Maryland	3853	28.42	42.24	N/A

Overburdened Communities Combined Score

#	GEOID20	Geographic_Area_Name	TotalPop	Overburd_Exposure_Percent	Overburd_Exposure_Percentile	Overburd_Poll_Enviro_Percent	Overburd_Poll_Enviro_Percentile	Sensitive_Population_Percent
1	24041960100	Census Tract 9601, Talbot County, Maryland	3,853	36.30	5.19	2.87	16.95	86.27

#	Sensitive_Population_Percentile	OverburdenedAllPercent	OverburdenedAllPercentile	Area(mi²)
1	97.13	73.55	58.65	N/A

Overburdened Pollution Environmental Score (%ile score)

#	GEOID20	Geographic_Area_Name	RentalsOccupiedPre79Percent	Percentile	PercentRMP	PercentRMPEJ	PercentHazWaste	PercentHazWasteEJ
1	24041960100	Census Tract 9601, Talbot County, Maryland	10.84	45.66	4.93	6.83	0.33	2.17

#	PercentSuperFundNPL	PercentSuperFundNPLEJ	PercentHazWW	PercentHazWWEJ	BrownFPercent	Percentile_1	PercentPowerPlants	Percentile_12
1	1.67	3.09	0.00	0.00	8.02	99.86	0.00	0.00

#	PercentCAFOS	Percentile_12_13	PercentActiveMines	Percentile_12_13_14	PollutionEnvironmentalPercent	PollnEnvironmentalPercentile	Area(mi²)
1	20.16	98.56	0.00	0.00	2.87	16.95	N/A

Overburdened Exposure Score (%ile score)

#	GEOID20	Geographic_Area_Name	Total_Pop	PercentNATA_Cancer	Percentile_NATA_Cancer	PercentNATA_Resp_HI	Percentile_NATA_Resp_HI	PercentNATA_Diesel
1	24041960100	Census Tract 9601, Talbot County, Maryland	3,853.00	40.00	4.41	60.00	7.33	13.33

#	Percentile_NATA_Diesel	PercentNATA_PM25	PercentileNATA_PM25	PercentOzone	PercentileOzone	PercentTraffic	PercentileTraffic	PercentTRI
1	3.54	78.43	2.56	93.00	9.18	0.34	2.17	5.26

#	PercentileTRI	PercentHazWasteLF	Percentile_HazWasteLF	PollutionExposurePercent	PollutionExposurePercentile	Area(mi²)
1	80.18	0.00	0.00	36.30	5.19	N/A

Overburdened Sensitive Population (%ile score)

#	GEOID20	Geographic_Area_Name	PerAstma	PercentileAst	PerMyo	PercentileMyo	PerLow	PercentileLow
1	24041960100	Census Tract 9601, Talbot County, Maryland	98.70	84.21	98.60	81.68	59.30	63.36

#	PercentBroad	PercentileBroad	PercentSens	PercentileSens	Area(mi²)
1	11.51	59.88	67.03	72.28	N/A

Socioeconomic/Demographic Score 2020 (Percentile score) (Underserved Community)

#	Census tract identifier	Geographic Area Name	Total Population	Percent Poverty	Percent Minority	Percent Limited English Proficiency	Demographic Score (Percent for this tract)	Demographic Score (Percentile Distribution acoss Maryland)	Area(mi²)
1	24041960100	Census Tract 9601, Talbot County, Maryland	3,853	13.83	8.62	0.07	7.50	8.70	N/A

Ozone (2015)

#	STATEFP10	COUNTYFP10	COUNTYNS10	GEOID10	NAME10	Ozone NAA Area	8-Hr Ozone (2015) Designation	8-HR Ozone (2015) Classification	8-Hr Ozone (2015) Status	Area(mi²)
1	24	041	00592947	24041	Talbot	*No Data*	Attainment/Unclassifiable	*No Data*	*No Data*	N/A

Fine Particles (2012)

#	STATEFP10	COUNTYFP10	COUNTYNS10	GEOID10	NAME10	PM2.5 (2012) Status	Area(mi²)
1	24	041	00592947	24041	Talbot	Attainment/Unclassifiable	N/A

Biosolids FY 2020 and Current Permits Distribution By Acreage

#	County Name	FY2020andAfter	Area(mi²)
1	Talbot	2,395.40	N/A

Biosolids FY2015 - 2019 Permits Distribution By Acreage

#	County Name	FY2015to2019	Area(mi²)
1	Talbot	2,119.40	N/A

Biosolids FY2010 - 2014 Permits Distribution By Acreage

#	County Name	FY2010to2014	Area(mi²)
1	Talbot	3,884.10	N/A

Biosolids FY2009 Permits Expired Distribution By Acreage

#	County Name	FY2009	Area(mi²)
1	Talbot	*No Data*	N/A

Biosolids FY 2020 and Current Permit Distribution By Percent Coverage

#	County Name	FY2020andAfter	Area(mi²)
1	Talbot	2,395.40	N/A

Biosolids FY2015 - 2019 Permit Distribution By Percent Coverage

#	County Name	FY2015to2019	Area(mi²)
1	Talbot	2,119.40	N/A

Biosolids FY2010 - 2014 Permit Distribution By Percent Coverage

#	County Name	FY2010to2014	Area(mi²)
1	Talbot	3,884.10	N/A

Biosolids FY2009 Expired Permit Distribution By Percent Coverage

#	County Name	FY2009	Area(mi²)
1	Talbot	*No Data*	N/A

10 Miles from Landfill

#	County	Type	Facility_N	ADDRESS	FILL	SITE__ACRE	AI_No_	Owner_Type
1	CAROLINE	WMF	MidshoreIIRegional MunicipalLF	12236 River Road, Ridgely, MD 21660.	71.3	224.00	63,591.00	MES
2	TALBOT	WMF	Midshore Regional MunicipalLF	7341 Barkers Landing Road, Easton MD 21601.	67	140.00	11,369.00	MES
3	TALBOT	WTS	Midshore TransferStation	7341 Barkers Landing Road, Easton MD 21601.	0.5	140.00	11,369.00	MES

#	MD_GRID__E	PERMITNUMB	EXPIRATION	Area(mi²)
1	405 /113	2013-WMF-0608	2/3/2019, 7:00 PM	N/A
2	1080 /356	2015-WMF-0144	2/23/2020, 7:00 PM	N/A
3	1080 /356	2015-WTS-0549	5/10/2020, 8:00 PM	N/A

30 mile buffer (Maryland)

#	Facility_Name_1	Facility_Contact_1	Contact_Phone	Contact_Email_1	Contact_2	Contact_2_Phone	Contact_2_Email	URL	Area(mi²)
1	Twin Maples Compost Facility	Ryan Slack	(336) 207-9310	rslack@midatlanticorganic.com	*No Data*	*No Data*	*No Data*	https://midatlanticorganic.com/	N/A

May 22, 2024

Maryland Department of the Environment
Air Quality Permits Program
Attn: Matthew Hafner
1800 Washington Boulevard
Baltimore, Maryland 21230

Reference: Mountaire Farms of Delaware Inc. – Cordova Grain Facility

Mr. Hafner:

Please find enclosed the application packet for our Cordova Grain Facility located at 11761 Cordova Road, Maryland which involves air permitting the facility properly. Mountaire purchased the facility in December of 2023 from Nagle's Farm Services.

The application includes all air operating equipment, best control technologies that will be constructed along with the facility air emissions. Air emissions were calculated on the worst-case scenario of the facility operating 24 hours a day, 7 days a week. Control technologies include applying mineral oil to all grains received and installing the Dust Control by Wings baffle system inside the receiving pit. All gravity and mechanical load outs will be equipped with a dust sock.

Grain throughput for the facility: 300,000

If there are any questions, feel free to reach out to me.
Regards,

Kyle McConnell

Kyle McConnell
Environmental Manager
Mountaire Farms

Mountaire Farms of Delaware Inc. – Cordova Grain Facility

Equipment List

Grain Storage

Identification	***No. of Bushels***
Tank 1	42,000
Tank 2	42,000
Tank 3	42,000
Tank 4	385,000
Tank 5	150,000
Tank 6	160,000
Tank 7	100,000
Tank 8	170,000
Tank 9	165,000
Tank 10	300,000
Tank 11	190,000
Ground Corn Piles (2 million & 200,000 bushels)	2,200,000
Total Grain Storage	***3,946,000***

Wet Tanks

Identification	***No. of Bushels***
Wet Tank 1	10,000
Wet Tank 2	10,000
Wet Tank 3	10,000
Wet Tank 4	10,000
Wet Tank 5	10,000
Total Wet Grain Storage	***50,000***

Grain Dryer

Identification	***No. of Bushels / Hour***
Grain Dryer 1 (Propane) (Brock Dryer)	3,500
Grain Dryer 2 (Propane) (Zimmerman Dryer)	1,512

Grain Receiving Pit

Identification	*No. of Bushels / Hour*
Truck Receiving Pit 1	750-bushel capacity
Receiving Pit Drag	15,500

Grain Elevator Legs

Identification	*No. of Bushels / Hour*
Receiving Leg	15,500
Wet Leg	6,000
Dry Leg	6,000

Mechanical Loadouts

Identification	*No. of Bushels / Hour*
Receiving Leg Loadout	15,500
Wet Leg Loadout	6,000
Dry Leg Loadout	6,000
#10 incline tube screw loadout	7,500
#4 incline tube screw loadout	6,000
#8 incline tube screw loadout	5,500
#11 incline tube screw loadout	6,500
#9 incline tube screw loadout	5,500
#6 incline tube screw loadout	4,500
#5 incline tube screw loadout	4,500
#7 incline tube screw loadout	5,000

Grain Turn Heads

Identification	*Type*
Turn Head 1	9-hole flat back turn head
Turn Head 2	8-hole flat back turn head
Turn Head 3	4-hole flat back turn head

Gravity Loadouts

Identification	*No. of Bushels / Hour*
Gravity loadout tank 1	6,000
Gravity loadout tank 2	6,000
Gravity loadout tank 4	6,000
Gravity loadout tank 5	6,000
Gravity loadout tank 6	6,000
Gravity loadout tank 7	6,000
Gravity loadout tank 8	6,000
Gravity loadout tank 9	6,000
Gravity loadout tank 10	6,000
Gravity loadout tank 11	6,000
Gravity loadout wet tank 4	6,000

Overhead Grain Transfer Drags

Identification	*No. of Bushels / Hour*
#8/4/10 top drag	15,000
Tank 8 top drag	16,000
#11 top drag	16,000
#6/9 top drag	6,000
#5/6 top drag	6,000
#2/5 top drag	5,000
#1/7 top drag	12,000

Tunnel Drags

Identification	*No. of Bushels / Hour*
#4 tunnel drag	6,500
#11 tunnel drag	6,500
Wet #1/2 drag	5,500

Tube Screws

Identification	*No. of Bushels / Hour*
Zimmerman dryer U trough screw	5,000
Brock dryer U trough screw	5,000
Dry leg U trough screw	5,000
#3 tube screw	2,500
#7 tube screw	4,000
#1 tube screw	2,500
#2 tube screw	2,500
#5 U trough tube screw	4,000
#6 U trough tube screw	4,000
#9 U trough tube screw	6,000
Wet #3 U trough screw	4,000
Wet #4/5 U trough screw	4,000

Ground Corn Pile Storage Equipment

Identification	*No. of Bushels / Hour*
Load in Hamilton Belt System	10,000
Loadout Hamilton Belt System	10,000

Potential Emissions

Grain elevator potential emissions

Source unless otherwise noted: EPA AP-42 Chapter 9.9.1

a		b	c	d	e	f	g	h	h	i
Activity		**Maximum Capacity** (tons/year) 300,000.0	**PM Control Efficiency** (% control)	**PM Emission Factor** (lb/ton)	**PM Emissions** (tons/year) b*d/2000	**PM_{10} Control Efficiency** (% control)	**PM_{10} Emission Factor** (lb/ton)	**PM_{10} Emissions** (ton/year) b*g/2000	**$PM_{2.5}$ Emission Factor** (lb/ton)	**$PM_{2.5}$ Emissions** (ton/year) b*h*(1-f)/2000
Receiving	Truck straight	300,000.0	0%	0.18	27.00	0%	0.059	8.85	0.01	1.50
	Truck hopper	0.0		0.035	0.00		0.0078	0.00	0.0013	0.00
	Rail	0.0		0.032	0.00		0.0078	0.00	0.0013	0.00
	Barge unload cont.	0.0		0.029	0.00		0.0073	0.00	0.0019	0.00
	Barge marine leg	0.0		0.15	0.00		0.038	0.00	0.005	0.00
	Ship	0.0		0.15	0.00		0.038	0.00	0.005	0.00
Loadout / Shipping	Truck unspecified	300,000.0		0.086	12.90		0.029	4.35	0.0049	0.74
	Railcar	0.0		0.027	0.00		0.0022	0.00	0.00037	0.00
	Barge	0.0		0.016	0.00		0.004	0.00	0.00055	0.00
	Ship	0.0		0.048	0.00		0.012	0.00	0.0022	0.00
Headhouse & Handling[2]		900,000.0		0.061	27.45		0.034	15.30	0.0058	2.61
Grain Cleaning[3]		0.0		0.375	0.00		0.095	0.00	0.016	0.00
Storage Bin (vent)		600,000.0		0.025	7.50		0.0063	1.89	0.0011	0.33
Grain Drying	Rack	0.0		3	0.00		0.75	0.00	0.13	0.00
	Rack (<50 mesh)	0.0		0.47	0.00		0.12	0.00	0.02	0.00
	Column	300,000.0		0.22	33.00		0.055	8.25	0.0094	1.41
Total tons of emissions (excluding dryer combustion)					**107.85**			**38.64**		**6.59**

Emissions with Control Efficiencies:

Grain elevator actual emissions — Source unless otherwise noted: EPA AP-42 Chapter 9.9.1

a Activity		b Actual Throughput (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
Receiving	Truck straight	300,000.0	85%	0.18	4.05	85%	0.059	1.33	0.01	0.23
	Truck hopper		0%	0.035	0.00	0%	0.0078	0.00	0.0013	0.00
	Rail		0%	0.032	0.00	0%	0.0078	0.00	0.0013	0.00
	Barge unload cont.		0%	0.029	0.00	0%	0.0073	0.00	0.0019	0.00
	Barge marine leg		0%	0.15	0.00	0%	0.038	0.00	0.005	0.00
	Ship		0%	0.15	0.00	0%	0.038	0.00	0.005	0.00
Loadout / Shipping	Truck unspecified	300,000.0	60%	0.086	5.16	60%	0.029	1.74	0.0049	0.29
	Railcar		0%	0.027	0.00	0%	0.0022	0.00	0.00037	0.00
	Barge		0%	0.016	0.00	0%	0.004	0.00	0.00055	0.00
	Ship		0%	0.048	0.00	0%	0.012	0.00	0.0022	0.00
Headhouse & Handling[5]		900,000.0	60%	0.061	10.98	60%	0.034	6.12	0.0058	1.04
Grain Cleaning[6]			0%	0.375	0.00	0%	0.095	0.00	0.016	0.00
Storage Bin (vent)		600,000.0	60%	0.025	3.00	60%	0.0063	0.76	0.0011	0.13
Grain Drying	Rack		0%	3	0.00	0%	0.75	0.00	0.13	0.00
	Rack (<50 mesh)		0%	0.47	0.00	0%	0.12	0.00	0.02	0.00
	Column	300,000.0	60%	0.22	13.20	60%	0.055	3.30	0.0094	0.56
Total tons emissions (excluding combustion from dryers)					**36.39**			**13.24**		**2.26**

Grain Dryer 1:

Propane potential and actual emissions

Pollutant	a GWP[1]	b Dryer hourly propane usage (gal/hr) (Btu/hr) / (91500 Btu/gal)	c Actual propane burned (gal/yr)	d Hours in a Year (hr/yr) 24 hrs/day * 365 days/yr	e Emission Factor (lb/gal)	Potential Emissions (ton/yr) (b * d * e) / 2000	Actual Emissions (tons/yr) (c * e) / 2000
		723.50	29240.80	8760	by pollutant		
Criteria Air Pollutants						Source: EPA AP-42 Chapter 1.5	
PM					0.0007	**2.22**	**0.01**
PM10					0.0007	**2.22**	**0.01**
PM2.5					0.0007	**2.22**	**0.01**
SOx					0.00018	**0.57**	**0.00**
NOx					0.0130	**41.20**	**0.19**
VOC					0.0010	**3.17**	**0.01**
CO					0.0075	**23.77**	**0.11**
Lead					n/a		
Greenhouse Gas Emissions						Source: 40 CFR 98, Subp. C, Table C-1 and C-2	
CO_2	1				12.40	**39287.94**	**181.26**
CH_4	25				0.0002017	**0.6392**	**0.0029**
N_2O	298				0.0000202	**0.0639**	**0.0003**
				GHG Total (CO_2e)[2]		**39322.97**	**181.42**
Hazardous Air Pollutants						Source: EPA AP-42 Chapter 1.4	
Benzene					0.0000000772	**0.0002**	**0.0000**
Formaldehyde					0.0000028	**0.0087**	**0.0000**
Hexane					0.0000662	**0.2098**	**0.0010**
Naphthalene					0.00000002243	**0.0001**	**0.0000**
Toluene					0.0000001250	**0.0004**	**0.0000**
Arsenic					0.00000000736	**0.0000**	**0.0000**
Beryllium					0.000000000441	**0.0000**	**0.0000**
Cadmium					0.0000000405	**0.0001**	**0.0000**
Chromium					0.0000000515	**0.0002**	**0.0000**
Cobalt					0.000000003089	**0.0000**	**0.0000**
Manganese					0.00000001398	**0.0000**	**0.0000**
Mercury					0.00000000956	**0.0000**	**0.0000**
Nickel					0.0000000772	**0.0002**	**0.0000**
Selenium					0.000000000883	**0.0000**	**0.0000**
				HAP total		**0.2199**	**0.0010**

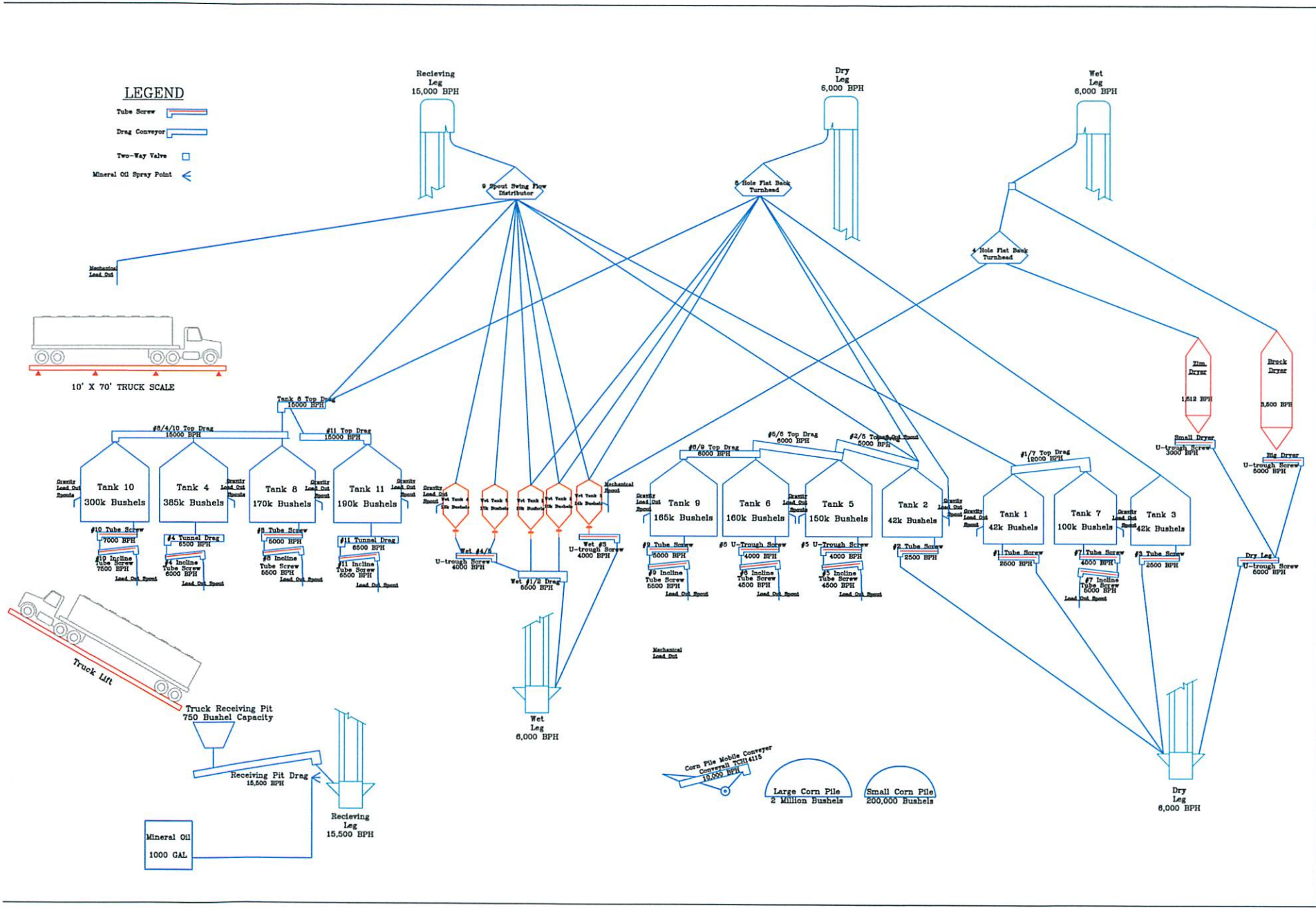
Grain Dryer 2:

Propane potential and actual emissions

Pollutant	a GWP[1]	b Dryer hourly propane usage (gal/hr) (Btu/hr) / (91500 Btu/gal)	c Actual propane burned (gal/yr)	d Hours in a Year (hr/yr) 24 hrs/day * 365 days/yr	e Emission Factor (lb/gal)	Potential Emissions (ton/yr) (b * d * e) / 2000	Actual Emissions (tons/yr) (c * e) / 2000
		182.01	29240.80	8760	by pollutant		
Criteria Air Pollutants						Source: EPA AP-42 Chapter 1.5	
PM					0.0007	**0.56**	**0.01**
PM10					0.0007	**0.56**	**0.01**
PM2.5					0.0007	**0.56**	**0.01**
SOx					0.00018	**0.14**	**0.00**
NOx					0.0130	**10.36**	**0.19**
VOC					0.0010	**0.80**	**0.01**
CO					0.0075	**5.98**	**0.11**
Lead					n/a		
Greenhouse Gas Emissions						Source: 40 CFR 98, Subp. C, Table C-1 and C-2	
CO_2	1				12.40	**9883.71**	**181.26**
CH_4	25				0.0002017	**0.1608**	**0.0029**
N_2O	298				0.0000202	**0.0161**	**0.0003**
				GHG Total (CO_2e)[2]		**9892.52**	**181.42**
Hazardous Air Pollutants						Source: EPA AP-42 Chapter 1.4	
Benzene					0.0000000772	**0.0001**	**0.0000**
Formaldehyde					0.0000028	**0.0022**	**0.0000**
Hexane					0.0000662	**0.0528**	**0.0010**
Naphthalene					0.00000002243	**0.0000**	**0.0000**
Toluene					0.0000001250	**0.0001**	**0.0000**
Arsenic					0.00000000736	**0.0000**	**0.0000**
Beryllium					0.000000000441	**0.0000**	**0.0000**
Cadmium					0.0000000405	**0.0000**	**0.0000**
Chromium					0.0000000515	**0.0000**	**0.0000**
Cobalt					0.000000003089	**0.0000**	**0.0000**
Manganese					0.00000001398	**0.0000**	**0.0000**
Mercury					0.00000000956	**0.0000**	**0.0000**
Nickel					0.0000000772	**0.0001**	**0.0000**
Selenium					0.000000000883	**0.0000**	**0.0000**
				HAP total		**0.0553**	**0.0010**

Facility Combined Emissions with Controls:

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	36.39			0.02		**36.41**	
PM10	13.24			0.02		**13.26**	
PM2.5	2.26			0.02		**2.28**	
SOx						**0.00**	
NOx				0.38		**0.38**	
VOC				0.02		**0.02**	
CO				0.22		**0.22**	
Lead						**0.00**	
Greenhouse Gas Emissions							
CO_2				181.26		**181.26**	
CH_4				0.00		**0.0029**	
N_2O				0.00		**0.0003**	
GHG Total CO_2e				181.42		**181.42**	
Hazardous Air Pollutants							
Benzene				0.00		**0.0000**	
Formaldehyde				0.00		**0.0000**	
Hexane				0.00		**0.0010**	
Naphthalene				0.00		**0.0000**	
Toluene				0.00		**0.0000**	
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		**0.0000**	
Selenium				0.00		**0.0000**	
HAP Indiv. Max	Hexane					**0.0010**	
HAP total						**0.0010**	



MOUNTAIRE FARMS

TITLE: Cordova Process Flow Diagram

DATE: 2/19/24
REV: 5/21/24

DRAWN BY: HDU
REVISED BY: HDU

SCALE: XXX

DRAWING # XXX

SHEET A-1

AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	Mountaire Farms of Delaware Inc.
COMPANY ADDRESS:	29106 John J Williams Highway, Millsboro, Delaware, 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Mountaire Farms of Delaware Inc - Cordova Grain Facility
PREMISES ADDRESS:	11761 Cordova Road, Cordova, Maryland, 21625
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
Corn Pile Storage Equipment: Load-in Hamilton Belt System & Load-out Hamilton Belt System - 10,000 bph each	

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. 1 Form 5
No. NA Form 5T
No. NA Form 5EP
No. NA Form 6
No. NA Form 10
No. NA Form 11
No. NA Form 41
No. NA Form 42
No. NA Form 44

☐ Vendor/manufacturer 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 of Delaware Inc.

Mailing Address
P.O. Box 1320
Street Address

Millsboro	Delaware	19966
City	State	Zip

Telephone Number
(302) 841-4629

Signature

Phillip Plylar - President
Print Name and Title

6-3-2024
Date

DO NOT WRITE IN THIS BLOCK
2. REGISTRATION NUMBER

County No. (1-2) | Premises No. (3-6)
Registration Class (7) | Equipment No. (8-11)
Data Year (12-13) | Application Date

1B. Equipment Location and Telephone Number (if different from above)
11761 Cordova Road
Street Number and Street Name

Cordova	Maryland	21625	(302) 841-4629
City/Town	State	Zip	Telephone Number

Mountaire Farms of Delaware Inc. - Cordova Grain Facility
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)
C			
15	16-19	20-23	20-23

4. Describe this Equipment: Make, Model, Features, Manufacturer (include Maximum Hourly Input Rate, etc.)
Hamilton Belt System - Load In and Load Out

5. Workmen's Compensation Coverage See attached.
Binder/Policy Number Expiration Date
Company
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 2

6B. Number of Stack/Emission Points Associated with this Equipment 2

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

Grain Elevator - receives, drys and ships all grains.

9. Control Devices Associated with this Equipment

None ☐ 24-0

Simple/Multiple Cyclone	Spray/Adsorb Tower	Venturi Scrubber	Carbon Adsorber	Electrostatic Precipitator	Baghouse	Thermal/Catalytic Afterburner	Dry Scrubber
☐	☐	☐	☐	☐	☐	☐	☐
24-1	24-2	24-3	24-4	24-5	24-6	24-7	24-8

Other

☒ Describe Mineral oil applied to all grains received. Dust sock attached to the loadout.

24-9

10. Annual Fuel Consumption for this Equipment

OIL-1000 GALLONS	SULFUR %	GRADE	NATURAL GAS-1000 FT^3	LP GAS-100 GALLONS	GRADE
26-31	32-33	34	35-41	42-45	

COAL- TONS	SULFUR %	ASH%	WOOD-TONS	MOISTURE %
46-52	53-55	56-58	59-63	64-65

OTHER FUELS _____ (Specify Type) ☐ 66-1 ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

OTHER FUEL _____ (Specify Type) ☐ 66-2 ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

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

11. Operating Schedule (for this Equipment)

Continuous Operation	Batch Process	Hours per Batch	Batch per Week	Hours per Day	Days Per Week	Days per Year
☐	☐		☐		☐	
67-1	67-2	68-69		70-71	72	73-75

Seasonal Variation in Operation:

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

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

If not, then	Height Avove Ground (FT)	Inside Diameter at Top	Exit Temperature (°F)	Exit Velocity (FT/SEC)
	☐☐☐ 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)

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

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

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

15. Waste Streams- Solid and Liquid

			OUTPUT RATE		
NAME	CAS NO. (IF APPLICABLE)	PER HOUR	UNITS	PER YEAR	UNITS
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	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
99-104	105-110	111-116

Carbon Monoxide	Volatile Organic Compounds	PM-10
177-122	123-128	129-134

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

Particulate Matter	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
135-139	140-144	145-149

Carbon Monoxide	Volatile Organic Compounds	PM-10
150-154	155-159	160-164

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

TSP	SOX	NOX	CO	VOC	PM10
165	166	167	168	169	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 Date_____ By_____ **Reviewed by State** Date_____ By_____

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

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

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

Point Description (220-238) **Action** (239) A: Add C: Change

AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	Mountaire Farms of Delaware Inc.
COMPANY ADDRESS:	29106 John J Williams Highway, Millsboro, Delaware 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Mountaire Farms of Delaware Inc. - Cordova Grain Facility
PREMISES ADDRESS:	11761 Cordova Road, Cordova, Maryland, 21625
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
Brock Grain Dryer (Dryer 1) 3,500 bph	

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. NA Form 5
No. NA Form 5T
No. NA Form 5EP
No. NA Form 6
No. NA Form 10
No. NA Form 11
No. NA Form 41
No. NA Form 42
No. NA Form 44

☐ Vendor/manufacturer 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 of Delaware Inc.

Mailing Address
P.O. Box 1320
Street Address

Millsboro	Delaware	19966
City	State	Zip

Telephone Number
(302) 841-4629

Signature
Phillip Plylar - President
Print Name and Title

6-3-2024
Date

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)
11761 Cordova Road
Street Number and Street Name

Cordova	Maryland	21625	(302) 841-4629
City/Town	State	Zip	Telephone Number

Mountaire Farms of Delaware Inc. - Cordova Grain Facility
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)
C			
15	16-19	20-23	20-23

4. Describe this Equipment: Make, Model, Features, Manufacturer (include Maximum Hourly Input Rate, etc.)
Brock Grain Dryer 3,500 bph - propane

5. Workmen's Compensation Coverage See attached.
Binder/Policy Number Expiration Date
Company
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 1

6B. Number of Stack/Emission Points Associated with this Equipment 1

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

Grain Elevator - receives, drys and ships all grains.

9. Control Devices Associated with this Equipment

None ☐ 24-0

Simple/Multiple Cyclone	Spray/Adsorb Tower	Venturi Scrubber	Carbon Adsorber	Electrostatic Precipitator	Baghouse	Thermal/Catalytic Afterburner	Dry Scrubber
☐	☐	☐	☐	☐	☐	☐	☐
24-1	24-2	24-3	24-4	24-5	24-6	24-7	24-8

Other

[X] Describe Mineral oil applied to all grains received.

24-9

10. Annual Fuel Consumption for this Equipment

OIL-1000 GALLONS	SULFUR %	GRADE	NATURAL GAS-1000 FT^3	LP GAS-100 GALLONS	GRADE
				See attached air emmissions	
26-31	32-33	34	35-41	42-45	

COAL- TONS	SULFUR %	ASH%	WOOD-TONS	MOISTURE %
46-52	53-55	56-58	59-63	64-65

OTHER FUELS _____ (Specify Type) ☐ 66-1 ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

OTHER FUEL _____ (Specify Type) ☐ 66-2 ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

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

11. Operating Schedule (for this Equipment)

Continuous Operation	Batch Process	Hours per Batch	Batch per Week	Hours per Day	Days Per Week	Days per Year
☐	☐		☐		☐	
67-1	67-2	68-69		70-71	72	73-75

Seasonal Variation in Operation:

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

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

If not, then

Height Avove Ground (FT)	Inside Diameter at Top	Exit Temperature (°F)	Exit Velocity (FT/SEC)
☐☐☐	☐☐☐	☐☐☐☐	☐☐☐
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)

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

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

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

15. Waste Streams- Solid and Liquid

		OUTPUT RATE			
NAME	CAS NO. (IF APPLICABLE)	PER HOUR	UNITS	PER YEAR	UNITS
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	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions	See attached air emmissions	See attached air emmissions
99-104	105-110	111-116

Carbon Monoxide	Volatile Organic Compounds	PM-10
See attached air emmissions	See attached air emmissions	See attached air emmissions
177-122	123-128	129-134

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

Particulate Matter	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions	See attached air emmissions	See attached air emmissions
135-139	140-144	145-149

Carbon Monoxide	Volatile Organic Compounds	PM-10
See attached air emmissions	See attached air emmissions	See attached air emmissions
150-154	155-159	160-164

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

TSP	SOX	NOX	CO	VOC	PM10
2	2	2	2	2	2
165	166	167	168	169	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 Date_____ By_____ **Reviewed by State** Date_____ By_____

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

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

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

Point Description (220-238) **Action** (239) A: Add C: Change

AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	Mountaire Farms of Delaware Inc.
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LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Mountaire Farms of Delaware Inc. - Cordova Grain Facility
PREMISES ADDRESS:	11761 Cordova Road, Cordova, Maryland, 21625
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
Zimmerman Grain Dryer (Dryer 2) - 1,512 bph	

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. 1 Form 5
No. NA Form 5T
No. NA Form 5EP
No. NA Form 6
No. NA Form 10
No. NA Form 11
No. NA Form 41
No. NA Form 42
No. NA Form 44

☐ Vendor/manufacturer 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 of Delaware Inc.

Mailing Address
P.O. Box 1320
Street Address

Mllsboro	Delaware	19966
City	State	Zip

Telephone Number
(302) 841-4629

Signature

Phillip Plylar - President
Print Name and Title

6-3-2024
Date

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)
11761 Cordova Road
Street Number and Street Name

Cordova	Maryland	21625	(302) 841-4629
City/Town	State	Zip	Telephone Number

Mountaire Farms of Delaware Inc. - Cordova Grain Facility
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)
C			
15	16-19	20-23	20-23

4. Describe this Equipment: Make, Model, Features, Manufacturer (include Maximum Hourly Input Rate, etc.)
Zimmerman Grain Dryer (Dryer 2) 1,500 bph - Propane

5. Workmen's Compensation Coverage See attached.
Binder/Policy Number Expiration Date
Company
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 1

6B. Number of Stack/Emission Points Associated with this Equipment 1

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

Grain Elevator - receives, drys and ships all grains.

9. Control Devices Associated with this Equipment

None ☐ 24-0

Simple/Multiple Cyclone	Spray/Adsorb Tower	Venturi Scrubber	Carbon Adsorber	Electrostatic Precipitator	Baghouse	Thermal/Catalytic Afterburner	Dry Scrubber
☐	☐	☐	☐	☐	☐	☐	☐
24-1	24-2	24-3	24-4	24-5	24-6	24-7	24-8

Other

[X] Describe Mineral oil applied to all grains received.

24-9

10. Annual Fuel Consumption for this Equipment

OIL-1000 GALLONS	SULFUR %	GRADE	NATURAL GAS-1000 FT^3	LP GAS-100 GALLONS	GRADE
				See attached air emmissions	
26-31	32-33	34	35-41	42-45	

COAL- TONS	SULFUR %	ASH%	WOOD-TONS	MOISTURE %
46-52	53-55	56-58	59-63	64-65

OTHER FUELS _____ (Specify Type) ☐ 66-1 ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

OTHER FUEL _____ (Specify Type) ☐ 66-2 ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

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

11. Operating Schedule (for this Equipment)

Continuous Operation	Batch Process	Hours per Batch	Batch per Week	Hours per Day	Days Per Week	Days per Year
☐	☐		☐		☐	
67-1	67-2	68-69		70-71	72	73-75

Seasonal Variation in Operation:

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

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

If not, then	Height Avove Ground (FT)	Inside Diameter at Top	Exit Temperature (°F)	Exit Velocity (FT/SEC)
	☐☐☐ 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)

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

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

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

15. Waste Streams- Solid and Liquid

			OUTPUT RATE		
NAME	CAS NO. (IF APPLICABLE)	PER HOUR	UNITS	PER YEAR	UNITS
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	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions	See attached air emmissions	See attached air emmissions
99-104	105-110	111-116

Carbon Monoxide	Volatile Organic Compounds	PM-10
See attached air emmissions	See attached air emmissions	See attached air emmissions
177-122	123-128	129-134

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

Particulate Matter	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions	See attached air emmissions	See attached air emmissions
135-139	140-144	145-149

Carbon Monoxide	Volatile Organic Compounds	PM-10
See attached air emmissions	See attached air emmissions	See attached air emmissions
150-154	155-159	160-164

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

TSP	SOX	NOX	CO	VOC	PM10
2	2	2	2	2	2
165	166	167	168	169	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 Date_____ By_____ **Reviewed by State** Date_____ By_____

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

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

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

Point Description (220-238) **Action** (239) A: Add C: Change

AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	Mountaire Farms of Delaware Inc.
COMPANY ADDRESS:	29106 John J Williams Highway, Millsboro, Delaware, 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Mountaire Farms of Delaware Inc. - Cordova Grain Facility
PREMISES ADDRESS:	11761 Corodva Road, Cordova, Maryland, 21625
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
Grain Elevator Legs (Receiving Leg 15,500 bph), Wet Leg (6,000 bph), Dry Leg (6,000 bph)	

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. 1 Form 5
No. NA Form 5T
No. NA Form 5EP
No. NA Form 6
No. NA Form 10
No. NA Form 11
No. NA Form 41
No. NA Form 42
No. NA Form 44

☐ Vendor/manufacturer 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 of Delaware Inc.

Mailing Address
P.O. Box 1320
Street Address
Millsboro | Delaware | 19966
City | State | Zip

Telephone Number
(302) 841-4629

Signature

Phillip Plylar - President | 6-3-2024
Print Name and Title | Date

DO NOT WRITE IN THIS BLOCK
2. REGISTRATION NUMBER

County No. (1-2) | Premises No. (3-6)
Registration Class (7) | Equipment No. (8-11)
Data Year (12-13) | Application Date

1B. Equipment Location and Telephone Number (if different from above)
11761 Cordova Road
Street Number and Street Name

Cordova | Maryland | 21625 | (302) 841-4629
City/Town | State | Zip | Telephone Number

Mountaire Farms of Delaware Inc. - Cordova Grain Facility
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)
C			
15	16-19	20-23	20-23

4. Describe this Equipment: Make, Model, Features, Manufacturer (include Maximum Hourly Input Rate, etc.)
(1) grain receiving leg, (1) dry leg and (1) wet leg

5. Workmen's Compensation Coverage See attached.
Binder/Policy Number | Expiration Date
Company
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 3

6B. Number of Stack/Emission Points Associated with this Equipment None, 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

Grain Elevator - receives, drys and ships all grains.

9. Control Devices Associated with this Equipment

None ☐ 24-0

Simple/Multiple Cyclone	Spray/Adsorb Tower	Venturi Scrubber	Carbon Adsorber	Electrostatic Precipitator	Baghouse	Thermal/Catalytic Afterburner	Dry Scrubber
☐	☐	☐	☐	☐	☐	☐	☐
24-1	24-2	24-3	24-4	24-5	24-6	24-7	24-8

Other

[X] Describe Mineral oil applied to all grains received.

24-9

10. Annual Fuel Consumption for this Equipment

OIL-1000 GALLONS	SULFUR %	GRADE	NATURAL GAS-1000 FT^3	LP GAS-100 GALLONS	GRADE
26-31	32-33	34	35-41	42-45	

COAL- TONS	SULFUR %	ASH%	WOOD-TONS	MOISTURE %
46-52	53-55	56-58	59-63	64-65

OTHER FUELS _____ (Specify Type) ☐ 66-1 ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

OTHER FUEL _____ (Specify Type) ☐ 66-2 ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

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

11. Operating Schedule (for this Equipment)

Continuous Operation	Batch Process	Hours per Batch	Batch per Week	Hours per Day	Days Per Week	Days per Year
☐	☐		☐		☐	
67-1	67-2	68-69		70-71	72	73-75

Seasonal Variation in Operation:

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

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

If not, then	Height Avove Ground (FT)	Inside Diameter at Top	Exit Temperature (°F)	Exit Velocity (FT/SEC)
	☐☐☐ 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)

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

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

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

15. Waste Streams- Solid and Liquid

		OUTPUT RATE			
NAME	CAS NO. (IF APPLICABLE)	PER HOUR	UNITS	PER YEAR	UNITS
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	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
99-104	105-110	111-116

Carbon Monoxide	Volatile Organic Compounds	PM-10
177-122	123-128	129-134

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

Particulate Matter	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
135-139	140-144	145-149

Carbon Monoxide	Volatile Organic Compounds	PM-10
150-154	155-159	160-164

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

TSP	SOX	NOX	CO	VOC	PM10
165	166	167	168	169	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 Date_____ By_____ **Reviewed by State** Date_____ By_____

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

20. **Annual Operating Rate** (186-192) **Maximum Design Hourly Rate** (193-199) **Permit to Operate Month** (200-201) **Transaction Date (MM/DD/YR)** (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** (239) A: Add C: Change

Form Number: 5
Rev. 9/27/2002
TTY Users 1-800-735-2258

Recycled Paper

AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	Mountaire Farms of Delaware Inc.
COMPANY ADDRESS:	29106 John J Williams Highway, Millsboro, Delaware, 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Mountaire Farms of Delaware Inc. - Cordova Grain Facility
PREMISES ADDRESS:	11761 Cordova Road, Cordova, Maryland, 21625
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
Grain Mechanical Load-outs - See attached ESA.	

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. 1 Form 5
No. NA Form 5T
No. NA Form 5EP
No. NA Form 6
No. NA Form 10
No. NA Form 11
No. NA Form 41
No. NA Form 42
No. NA Form 44

☐ Vendor/manufacturer 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 of Delaware Inc.

Mailing Address
P.O. Box 1320
Street Address
Millsboro | Delaware | 19966
City | State | Zip

Telephone Number
(302) 841-4629

Signature

Phillip Plylar - President | 6-3-2024
Print Name and Title | Date

DO NOT WRITE IN THIS BLOCK
2. REGISTRATION NUMBER

County No. (1-2) | Premises No. (3-6)
Registration Class (7) | Equipment No. (8-11)
Data Year (12-13) | Application Date

1B. Equipment Location and Telephone Number (if different from above)
11761 Cordova Road
Street Number and Street Name

Cordova | Maryland | 21625 | (302) 841-4629
City/Town | State | Zip | Telephone Number

Mountaire Farms of Delaware Inc. - Cordova Grain Facility
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)
C			
15	16-19	20-23	20-23

4. Describe this Equipment: Make, Model, Features, Manufacturer (include Maximum Hourly Input Rate, etc.)
(11) mechanical loadouts - See attached ESA.

5. Workmen's Compensation Coverage See attached.
Binder/Policy Number | Expiration Date
Company
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 11

6B. Number of Stack/Emission Points Associated with this Equipment 11

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

Grain Elevator - receives, drys and ships all grains.

9. Control Devices Associated with this Equipment

None ☐ 24-0

Simple/Multiple Cyclone	Spray/Adsorb Tower	Venturi Scrubber	Carbon Adsorber	Electrostatic Precipitator	Baghouse	Thermal/Catalytic Afterburner	Dry Scrubber
☐	☐	☐	☐	☐	☐	☐	☐
24-1	24-2	24-3	24-4	24-5	24-6	24-7	24-8

Other

[X] Describe Mineral oil applied to all grains received and dust socks installed on all discharge points.

24-9

10. Annual Fuel Consumption for this Equipment

OIL-1000 GALLONS	SULFUR %	GRADE	NATURAL GAS-1000 FT^3	LP GAS-100 GALLONS	GRADE
26-31	32-33	34	35-41	42-45	

COAL- TONS	SULFUR %	ASH%	WOOD-TONS	MOISTURE %
46-52	53-55	56-58	59-63	64-65

OTHER FUELS ☐ 66-1 ANNUAL AMOUNT CONSUMED

(Specify Type) (Specify Units of Measure)

OTHER FUEL ☐ 66-2 ANNUAL AMOUNT CONSUMED

(Specify Type) (Specify Units of Measure)

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

11. Operating Schedule (for this Equipment)

Continuous Operation	Batch Process	Hours per Batch	Batch per Week	Hours per Day	Days Per Week	Days per Year
☐	☐		☐		☐	
67-1	67-2	68-69		70-71	72	73-75

Seasonal Variation in Operation:

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

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

If not, then

Height Avove Ground (FT)	Inside Diameter at Top	Exit Temperature (°F)	Exit Velocity (FT/SEC)
☐☐☐	☐☐☐	☐☐☐☐	☐☐☐
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)

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

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

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

15. Waste Streams- Solid and Liquid

		OUTPUT RATE			
NAME	CAS NO. (IF APPLICABLE)	PER HOUR	UNITS	PER YEAR	UNITS
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	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
99-104	105-110	111-116

Carbon Monoxide	Volatile Organic Compounds	PM-10
177-122	123-128	129-134

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

Particulate Matter	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
135-139	140-144	145-149

Carbon Monoxide	Volatile Organic Compounds	PM-10
150-154	155-159	160-164

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

TSP	SOX	NOX	CO	VOC	PM10
165	166	167	168	169	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 Date_____ By_____ **Reviewed by State** Date_____ By_____

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

20. Annual Operating Rate (186-192) **Maximum Design Hourly Rate** (193-199) **Permit to Operate Month** (200-201) **Transaction Date (MM/DD/YR)** (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 (239) A: Add C: Change

Form Number: 5
Rev. 9/27/2002
TTY Users 1-800-735-2258

Recycled Paper

AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	Mountaire Farms of Delaware Inc.
COMPANY ADDRESS:	29106 John J Williams Highway, Millsboro, Delaware, 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Mountaire Farms of Delaware Inc. - Cordova Grain Facility
PREMISES ADDRESS:	11761 Cordova Road, Cordova, Maryland, 21625
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
(1) Grain Receiving Pit - 750 bushel capacity, (1) Grain Receiving Drag - 15,500 bph	

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. 1 Form 5
No. NA Form 5T
No. NA Form 5EP
No. NA Form 6
No. NA Form 10
No. NA Form 11
No. NA Form 41
No. NA Form 42
No. NA Form 44

☐ Vendor/manufacturer 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 of Delaware Inc.

Mailing Address
P.O. Box 1320
Street Address

Millsboro | Delaware | 19966
City | State | Zip

Telephone Number
(302) 841-4629

Signature

Phillip Plylar - President | 10-3-2024
Print Name and Title | Date

DO NOT WRITE IN THIS BLOCK
2. REGISTRATION NUMBER

County No. (1-2) | Premises No. (3-6)
Registration Class (7) | Equipment No. (8-11)
Data Year (12-13) | Application Date

1B. Equipment Location and Telephone Number (if different from above)
11761 Cordova Road
Street Number and Street Name

Cordova | Maryland | 21625 | (302) 841-4629
City/Town | State | Zip | Telephone Number

Mountaire Farms of Delaware Inc. - Cordova Grain Facility
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)
C			
15	16-19	20-23	20-23

4. Describe this Equipment: Make, Model, Features, Manufacturer (include Maximum Hourly Input Rate, etc.)
Grain receiving pit and receving drag.

5. Workmen's Compensation Coverage See attached.
Binder/Policy Number | Expiration Date
Company
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 1

6B. Number of Stack/Emission Points Associated with this Equipment 1

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

Grain Elevator - receives, drys and ships all grains.

9. Control Devices Associated with this Equipment

None ☐ 24-0

Simple/Multiple Cyclone	Spray/Adsorb Tower	Venturi Scrubber	Carbon Adsorber	Electrostatic Precipitator	Baghouse	Thermal/Catalytic Afterburner	Dry Scrubber
☐	☐	☐	☐	☐	☐	☐	☐
24-1	24-2	24-3	24-4	24-5	24-6	24-7	24-8

Other

☒ Describe Dust control by Wings Baffle System

24-9

10. Annual Fuel Consumption for this Equipment

OIL-1000 GALLONS	SULFUR %	GRADE	NATURAL GAS-1000 FT^3	LP GAS-100 GALLONS	GRADE
26-31	32-33	34	35-41	42-45	

COAL- TONS	SULFUR %	ASH%	WOOD-TONS	MOISTURE %
46-52	53-55	56-58	59-63	64-65

OTHER FUELS _____ (Specify Type) ☐ 66-1 ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

OTHER FUEL _____ (Specify Type) ☐ 66-2 ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

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

11. Operating Schedule (for this Equipment)

Continuous Operation	Batch Process	Hours per Batch	Batch per Week	Hours per Day	Days Per Week	Days per Year
☐	☐	☐☐	☐	☐☐	☐	☐☐☐
67-1	67-2	68-69		70-71	72	73-75

Seasonal Variation in Operation:

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

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

If not, then	Height Avove Ground (FT)	Inside Diameter at Top	Exit Temperature (°F)	Exit Velocity (FT/SEC)
	☐☐☐	☐☐☐	☐☐☐☐	☐☐☐
	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)

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

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

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

15. Waste Streams- Solid and Liquid

		OUTPUT RATE			
NAME	CAS NO. (IF APPLICABLE)	PER HOUR	UNITS	PER YEAR	UNITS
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	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
99-104	105-110	111-116

Carbon Monoxide	Volatile Organic Compounds	PM-10
177-122	123-128	129-134

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

Particulate Matter	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
135-139	140-144	145-149

Carbon Monoxide	Volatile Organic Compounds	PM-10
150-154	155-159	160-164

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

TSP	SOX	NOX	CO	VOC	PM10
165	166	167	168	169	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 Date_____ By_____ **Reviewed by State** Date_____ By_____

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

20. **Annual Operating Rate** (186-192) **Maximum Design Hourly Rate** (193-199) **Permit to Operate Month** (200-201) **Transaction Date (MM/DD/YR)** (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 (239) A: Add C: Change

AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	Mountaire Farms of Delaware Inc.
COMPANY ADDRESS:	29106 John J Williams Highway, Millsboro, Delaware, 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Mountaire Farms of Delaware Inc. - Cordova Grain Facility
PREMISES ADDRESS:	11761 Corodva Road, Cordova, Maryland, 21625
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
Grain Storage Bins	

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. 1 Form 5
No. NA Form 5T
No. NA Form 5EP
No. NA Form 6
No. NA Form 10
No. NA Form 11
No. NA Form 41
No. NA Form 42
No. NA Form 44

☐ Vendor/manufacturer 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 of Delaware Inc.

Mailing Address
P.O. Box 1320
Street Address

Millsboro | Delaware | 19966
City | State | Zip

Telephone Number
(302) 841-4629

Signature

Phillip Plylar - President | 6-3-2024
Print Name and Title | Date

DO NOT WRITE IN THIS BLOCK
2. REGISTRATION NUMBER

County No. (1-2) | Premises No. (3-6)
Registration Class (7) | Equipment No. (8-11)
Data Year (12-13) | Application Date

1B. Equipment Location and Telephone Number (if different from above)
11761 Cordova Road
Street Number and Street Name

Cordova | Maryland | 21625 | (302) 841-4629
City/Town | State | Zip | Telephone Number

Mountaire Farms of Delaware Inc. - Cordova Grain Facility
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)
C			
15	16-19	20-23	20-23

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

5. Workmen's Compensation Coverage See attached.
Binder/Policy Number | Expiration Date
Company
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 11

6B. Number of Stack/Emission Points Associated with this Equipment Bin vents

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

Grain Elevator - receives, drys and ships all grains.

9. Control Devices Associated with this Equipment

None ☐ 24-0

Simple/Multiple Cyclone	Spray/Adsorb Tower	Venturi Scrubber	Carbon Adsorber	Electrostatic Precipitator	Baghouse	Thermal/Catalytic Afterburner	Dry Scrubber
☐	☐	☐	☐	☐	☐	☐	☐
24-1	24-2	24-3	24-4	24-5	24-6	24-7	24-8

Other

[X] Describe Mineral oil applied to all grains received.

24-9

10. Annual Fuel Consumption for this Equipment

OIL-1000 GALLONS ☐☐☐☐☐☐ 26-31 | SULFUR % ☐☐ 32-33 | GRADE ☐ 34 | NATURAL GAS-1000 FT^3 ☐☐☐☐☐☐☐ 35-41 | LP GAS-100 GALLONS ☐☐☐☐ 42-45 | GRADE ☐

COAL- TONS ☐☐☐☐☐☐☐ 46-52 | SULFUR % ☐☐☐ 53-55 | ASH% ☐☐☐ 56-58 | WOOD-TONS ☐☐☐☐☐ 59-63 | MOISTURE % ☐☐ 64-65

OTHER FUELS _____ (Specify Type) ☐ 66-1 | ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

OTHER FUEL _____ (Specify Type) ☐ 66-2 | ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

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

11. Operating Schedule (for this Equipment)

Continuous Operation	Batch Process	Hours per Batch	Batch per Week	Hours per Day	Days Per Week	Days per Year
☐	☐	☐☐	☐	☐☐	☐	☐☐☐
67-1	67-2	68-69		70-71	72	73-75

Seasonal Variation in Operation:

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

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

If not, then	Height Avove Ground (FT)	Inside Diameter at Top	Exit Temperature (°F)	Exit Velocity (FT/SEC)
	☐☐☐ 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)

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

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

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

15. Waste Streams- Solid and Liquid

		OUTPUT RATE			
NAME	CAS NO. (IF APPLICABLE)	PER HOUR	UNITS	PER YEAR	UNITS
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	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
99-104	105-110	111-116

Carbon Monoxide	Volatile Organic Compounds	PM-10
177-122	123-128	129-134

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

Particulate Matter	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
135-139	140-144	145-149

Carbon Monoxide	Volatile Organic Compounds	PM-10
150-154	155-159	160-164

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

TSP	SOX	NOX	CO	VOC	PM10
165	166	167	168	169	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 Date_____ By_____ **Reviewed by State** Date_____ By_____

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

20. Annual Operating Rate (186-192) **Maximum Design Hourly Rate** (193-199) **Permit to Operate Month** (200-201) **Transaction Date (MM/DD/YR)** (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 (239) A: Add C: Change

AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	Mountaire Farms of Delaware Inc.
COMPANY ADDRESS:	29106 John J Williams Highway, Millsboro, Delaware, 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Mountaire Farms of Delaware Inc.
PREMISES ADDRESS:	11761 Cordova Road, Cordova, Maryland 21625
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
Gravity Loadouts	

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. 1 Form 5
No. NA Form 5T
No. NA Form 5EP
No. NA Form 6
No. NA Form 10
No. NA Form 11
No. NA Form 41
No. NA Form 42
No. NA Form 44

☐ Vendor/manufacturer 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 of Delaware Inc.

Mailing Address
P.O. Box 1320
Street Address

Millsboro	Delaware	19966
City	State	Zip

Telephone Number
(302) 841-4629

Signature

Phillip Plylar - President — 6-3-2024
Print Name and Title — Date

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)
11761 Cordova Road
Street Number and Street Name

Cordova	Maryland	21625	(302) 841-4629
City/Town	State	Zip	Telephone Number

Mountaire Farms of Delaware Inc. - Cordova Grain Facility
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)
C			
15	16-19	20-23	20-23

4. Describe this Equipment: Make, Model, Features, Manufacturer (include Maximum Hourly Input Rate, etc.)
11 gravity tank loadouts @ 6,000 bph each

5. Workmen's Compensation Coverage _____
Binder/Policy Number — Expiration Date
Company _____
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 11

6B. Number of Stack/Emission Points Associated with this Equipment 11

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

Grain Elevator - receives, drys and ships all grains.

9. Control Devices Associated with this Equipment

None ☐ 24-0

Simple/Multiple Cyclone	Spray/Adsorb Tower	Venturi Scrubber	Carbon Adsorber	Electrostatic Precipitator	Baghouse	Thermal/Catalytic Afterburner	Dry Scrubber
☐	☐	☐	☐	☐	☐	☐	☐
24-1	24-2	24-3	24-4	24-5	24-6	24-7	24-8

Other

☒ Describe Mineral oil applied to all grains received. Dust sock attached to the each emission point,

24-9

10. Annual Fuel Consumption for this Equipment

OIL-1000 GALLONS	SULFUR %	GRADE	NATURAL GAS-1000 FT^3	LP GAS-100 GALLONS	GRADE
26-31	32-33	34	35-41	42-45	

COAL- TONS	SULFUR %	ASH%	WOOD-TONS	MOISTURE %
46-52	53-55	56-58	59-63	64-65

OTHER FUELS _____ (Specify Type) ☐ 66-1 ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

OTHER FUEL _____ (Specify Type) ☐ 66-2 ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

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

11. Operating Schedule (for this Equipment)

Continuous Operation	Batch Process	Hours per Batch	Batch per Week	Hours per Day	Days Per Week	Days per Year
☐	☐		☐		☐	
67-1	67-2	68-69		70-71	72	73-75

Seasonal Variation in Operation:

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

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

If not, then	Height Avove Ground (FT)	Inside Diameter at Top	Exit Temperature (°F)	Exit Velocity (FT/SEC)
	☐☐☐ 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)

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

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

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

15. Waste Streams- Solid and Liquid

			OUTPUT RATE		
NAME	CAS NO. (IF APPLICABLE)	PER HOUR	UNITS	PER YEAR	UNITS
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	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
99-104	105-110	111-116

Carbon Monoxide	Volatile Organic Compounds	PM-10
177-122	123-128	129-134

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

Particulate Matter	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
135-139	140-144	145-149

Carbon Monoxide	Volatile Organic Compounds	PM-10
150-154	155-159	160-164

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

TSP	SOX	NOX	CO	VOC	PM10
165	166	167	168	169	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 Date_____ By_____ **Reviewed by State** Date_____ By_____

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

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

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Point Description (220-238)

Action (239) A: Add C: Change

AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	Mountaire Farms of Delaware Inc.
COMPANY ADDRESS:	29106 John J Williams Highway, Millsboro, Delaware, 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Mountaire Farms of Delaware Inc. - Cordova Grain Facility
PREMISES ADDRESS:	11761 Cordova Road, Cordova, Maryland,21625
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
Overhead Grain Transfer Drags	

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. 1 Form 5
No. NA Form 5T
No. NA Form 5EP
No. NA Form 6
No. NA Form 10
No. NA Form 11
No. NA Form 41
No. NA Form 42
No. NA Form 44

☐ Vendor/manufacturer 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 of Delaware Inc.

Mailing Address
P.O. Box 1320
Street Address

Millsboro	Delaware	19966
City	State	Zip

Telephone Number
(302) 841-4629

Signature

Phillip Plylar - President
Print Name and Title

6-3-2024
Date

DO NOT WRITE IN THIS BLOCK
2. REGISTRATION NUMBER

County No. (1-2) | Premises No. (3-6)
Registration Class (7) | Equipment No. (8-11)
Data Year (12-13) | Application Date

1B. Equipment Location and Telephone Number (if different from above)
11761 Cordova Road
Street Number and Street Name

Cordova	Maryland	21625	(302) 841-4629
City/Town	State	Zip	Telephone Number

Mountaire Farms of Delaware Inc. - Cordova Grain Facility
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)
C			
15	16-19	20-23	20-23

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

5. Workmen's Compensation Coverage See attached.
Binder/Policy Number Expiration Date
Company
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 See attached EA.

6B. Number of Stack/Emission Points Associated with this Equipment None, 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

Grain Elevator - receives, drys and ships all grains.

9. Control Devices Associated with this Equipment

None ☐ 24-0

Simple/Multiple Cyclone	Spray/Adsorb Tower	Venturi Scrubber	Carbon Adsorber	Electrostatic Precipitator	Baghouse	Thermal/Catalytic Afterburner	Dry Scrubber
☐	☐	☐	☐	☐	☐	☐	☐
24-1	24-2	24-3	24-4	24-5	24-6	24-7	24-8

Other

[X] Describe Mineral oil applied to all grains received.

24-9

10. Annual Fuel Consumption for this Equipment

OIL-1000 GALLONS ☐☐☐☐☐☐ 26-31 | SULFUR % ☐☐ 32-33 | GRADE ☐ 34 | NATURAL GAS-1000 FT^3 ☐☐☐☐☐☐☐ 35-41 | LP GAS-100 GALLONS ☐☐☐☐ 42-45 | GRADE ☐

COAL- TONS ☐☐☐☐☐☐☐ 46-52 | SULFUR % ☐☐☐ 53-55 | ASH% ☐☐☐ 56-58 | WOOD-TONS ☐☐☐☐☐ 59-63 | MOISTURE % ☐☐ 64-65

OTHER FUELS _____ (Specify Type) ☐ 66-1 | ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

OTHER FUEL _____ (Specify Type) ☐ 66-2 | ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

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

11. Operating Schedule (for this Equipment)

Continuous Operation	Batch Process	Hours per Batch	Batch per Week	Hours per Day	Days Per Week	Days per Year
☐	☐	☐☐	☐	☐☐	☐	☐☐☐
67-1	67-2	68-69		70-71	72	73-75

Seasonal Variation in Operation:

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

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

If not, then	Height Avove Ground (FT)	Inside Diameter at Top	Exit Temperature (°F)	Exit Velocity (FT/SEC)
	☐☐☐ 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)

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

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

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

15. Waste Streams- Solid and Liquid

			OUTPUT RATE		
NAME	CAS NO. (IF APPLICABLE)	PER HOUR	UNITS	PER YEAR	UNITS
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	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
99-104	105-110	111-116

Carbon Monoxide	Volatile Organic Compounds	PM-10
177-122	123-128	129-134

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

Particulate Matter	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
135-139	140-144	145-149

Carbon Monoxide	Volatile Organic Compounds	PM-10
150-154	155-159	160-164

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

TSP	SOX	NOX	CO	VOC	PM10
165	166	167	168	169	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 Date_____ By_____ **Reviewed by State** Date_____ By_____

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

20. Annual Operating Rate (186-192) **Maximum Design Hourly Rate** (193-199) **Permit to Operate Month** (200-201) **Transaction Date (MM/DD/YR)** (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 (239) A: Add C: Change

AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	Mountaire Farms of Delaware Inc.
COMPANY ADDRESS:	29106 John J Williams Highway, Millsboro, Delaware, 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Mountaire Farms of Delaware Inc. - Cordova Grain Facility
PREMISES ADDRESS:	11761 Cordova Road, Cordova, Maryland 21625
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
Grain Transfer Tube Screws	

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. 1 Form 5
No. NA Form 5T
No. NA Form 5EP
No. NA Form 6
No. NA Form 10
No. NA Form 11
No. NA Form 41
No. NA Form 42
No. NA Form 44

☐ Vendor/manufacturer 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 of Delaware Inc.

Mailing Address
P.O. Box 1320
Street Address
Millsboro DE 19966
City State Zip

Telephone Number
(302) 841-4629

Signature
Phillip Plylar - President 6-3-2024
Print Name and Title Date

DO NOT WRITE IN THIS BLOCK
2. REGISTRATION NUMBER
County No. (1-2) Premises No. (3-6)
Registration Class (7) Equipment No. (8-11)
Data Year (12-13) Application Date

1B. Equipment Location and Telephone Number (if different from above)
11761 Cordova Road
Street Number and Street Name
Cordova Maryland 21625 (302) 841-4629
City/Town State Zip Telephone Number
Mountaire Farms of Delaware Inc. - Cordova Grain Facility
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)
C			
15	16-19	20-23	20-23

4. Describe this Equipment: Make, Model, Features, Manufacturer (include Maximum Hourly Input Rate, etc.)
Tube transfer screws - see attached EA.

5. Workmen's Compensation Coverage See attached.
Binder/Policy Number Expiration Date
Company
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 12

6B. Number of Stack/Emission Points Associated with this Equipment None, 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

Grain Elevator - receives, drys and ships all grains.

9. Control Devices Associated with this Equipment

None ☐ 24-0

Simple/Multiple Cyclone	Spray/Adsorb Tower	Venturi Scrubber	Carbon Adsorber	Electrostatic Precipitator	Baghouse	Thermal/Catalytic Afterburner	Dry Scrubber
☐	☐	☐	☐	☐	☐	☐	☐
24-1	24-2	24-3	24-4	24-5	24-6	24-7	24-8

Other

[X] Describe Mineral oil applied to all grains received.

24-9

10. Annual Fuel Consumption for this Equipment

OIL-1000 GALLONS	SULFUR %	GRADE	NATURAL GAS-1000 FT^3	LP GAS-100 GALLONS	GRADE
26-31	32-33	34	35-41	42-45	

COAL- TONS	SULFUR %	ASH%	WOOD-TONS	MOISTURE %
46-52	53-55	56-58	59-63	64-65

OTHER FUELS _____ (Specify Type) ☐ 66-1 ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

OTHER FUEL _____ (Specify Type) ☐ 66-2 ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

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

11. Operating Schedule (for this Equipment)

Continuous Operation	Batch Process	Hours per Batch	Batch per Week	Hours per Day	Days Per Week	Days per Year
☐	☐		☐		☐	
67-1	67-2	68-69		70-71	72	73-75

Seasonal Variation in Operation:

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

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

If not, then	Height Avove Ground (FT)	Inside Diameter at Top	Exit Temperature (°F)	Exit Velocity (FT/SEC)
	☐☐☐	☐☐☐	☐☐☐☐	☐☐☐
	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)

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

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

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

15. Waste Streams- Solid and Liquid

		OUTPUT RATE			
NAME	CAS NO. (IF APPLICABLE)	PER HOUR	UNITS	PER YEAR	UNITS
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	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
99-104	105-110	111-116

Carbon Monoxide	Volatile Organic Compounds	PM-10
177-122	123-128	129-134

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

Particulate Matter	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
135-139	140-144	145-149

Carbon Monoxide	Volatile Organic Compounds	PM-10
150-154	155-159	160-164

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

TSP	SOX	NOX	CO	VOC	PM10
165	166	167	168	169	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 Date_____ By_____ **Reviewed by State** Date_____ By_____

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

20. **Annual Operating Rate** (186-192) **Maximum Design Hourly Rate** (193-199) **Permit to Operate Month** (200-201) **Transaction Date (MM/DD/YR)** (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 (239) A: Add C: Change

Form Number: 5
Rev. 9/27/2002
TTY Users 1-800-735-2258

Recycled Paper

AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	Mountaire Farms of Delaware Inc.
COMPANY ADDRESS:	29106 John J Williams Highway, Millsboro, Delaware, 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Mountaire Farms of Delaware Inc - Cordova Grain Facility
PREMISES ADDRESS:	11761 Cordova Road, Cordova, Maryland, 21625
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
Grain Tunnel Drags (2) 6,500 bph, (1) 5,500 bpd	

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. 1 Form 5
No. NA Form 5T
No. NA Form 5EP
No. NA Form 6
No. NA Form 10
No. NA Form 11
No. NA Form 41
No. NA Form 42
No. NA Form 44

☐ Vendor/manufacturer 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 of Delaware Inc.

Mailing Address
P.O. Box 1320
Street Address
Millsboro | Delaware | 19966
City | State | Zip

Telephone Number
(302) 841-4629

Signature

Phillip Plylar - President | 6-3-2024
Print Name and Title | Date

DO NOT WRITE IN THIS BLOCK
2. REGISTRATION NUMBER
County No. (1-2) | Premises No. (3-6)
Registration Class (7) | Equipment No. (8-11)
Data Year (12-13) | Application Date

1B. Equipment Location and Telephone Number (if different from above)
11761 Cordova Road
Street Number and Street Name
Cordova | Maryland | 21625 | (302) 841-4629
City/Town | State | Zip | Telephone Number
Mountaire Farms of Delaware Inc. - Cordova Grain Facility
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)
C			
15	16-19	20-23	20-23

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

5. Workmen's Compensation Coverage _____
Binder/Policy Number | Expiration Date
Company _____
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 3

6B. Number of Stack/Emission Points Associated with this Equipment None, 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

Grain Elevator - receives, drys and ships all grains.

9. Control Devices Associated with this Equipment

None ☐ 24-0

Simple/Multiple Cyclone	Spray/Adsorb Tower	Venturi Scrubber	Carbon Adsorber	Electrostatic Precipitator	Baghouse	Thermal/Catalytic Afterburner	Dry Scrubber
☐	☐	☐	☐	☐	☐	☐	☐
24-1	24-2	24-3	24-4	24-5	24-6	24-7	24-8

Other

[X] Describe Mineral oil applied to all grains received.

24-9

10. Annual Fuel Consumption for this Equipment

OIL-1000 GALLONS	SULFUR %	GRADE	NATURAL GAS-1000 FT^3	LP GAS-100 GALLONS	GRADE
26-31	32-33	34	35-41	42-45	

COAL- TONS	SULFUR %	ASH%	WOOD-TONS	MOISTURE %
46-52	53-55	56-58	59-63	64-65

OTHER FUELS _____ (Specify Type) ☐ 66-1 ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

OTHER FUEL _____ (Specify Type) ☐ 66-2 ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

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

11. Operating Schedule (for this Equipment)

Continuous Operation	Batch Process	Hours per Batch	Batch per Week	Hours per Day	Days Per Week	Days per Year
☐	☐		☐		☐	
67-1	67-2	68-69		70-71	72	73-75

Seasonal Variation in Operation:

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

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

If not, then	Height Avove Ground (FT)	Inside Diameter at Top	Exit Temperature (°F)	Exit Velocity (FT/SEC)
	☐☐☐ 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)

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

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

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

15. Waste Streams- Solid and Liquid

			OUTPUT RATE		
NAME	CAS NO. (IF APPLICABLE)	PER HOUR	UNITS	PER YEAR	UNITS
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	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
99-104	105-110	111-116

Carbon Monoxide	Volatile Organic Compounds	PM-10
177-122	123-128	129-134

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

Particulate Matter	Oxides of Sulfur	Oxides of Nitrogen
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135-139	140-144	145-149

Carbon Monoxide	Volatile Organic Compounds	PM-10
150-154	155-159	160-164

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

TSP	SOX	NOX	CO	VOC	PM10
165	166	167	168	169	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 Date_____ By_____ **Reviewed by State** Date_____ By_____

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

20. Annual Operating Rate (186-192) **Maximum Design Hourly Rate** (193-199) **Permit to Operate Month** (200-201) **Transaction Date (MM/DD/YR)** (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 (239) A: Add C: Change

AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	Mountaire Farms of Delaware Inc.
COMPANY ADDRESS:	29106 John J Williams Highway, Millsboro, Delaware, 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Mountaire Farms of Delaware Inc - Cordova Grain Facility
PREMISES ADDRESS:	11761 Cordova Road, Cordova, Maryland, 21625
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
(3) Grain Turn Heads	

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. 1 Form 5
No. NA Form 5T
No. NA Form 5EP
No. NA Form 6
No. NA Form 10
No. NA Form 11
No. NA Form 41
No. NA Form 42
No. NA Form 44

☐ Vendor/manufacturer 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 of Delaware Inc.

Mailing Address
P.O. Box 1320
Street Address

Millsboro	Delaware	19966
City	State	Zip

Telephone Number
(302) 841-4629

Signature

Phillip Plylar - President — 6-3-2024
Print Name and Title — Date

DO NOT WRITE IN THIS BLOCK
2. REGISTRATION NUMBER

County No. (1-2)	Premises No. (3-6)

Registration Class (7)	Equipment No. (8-11)

Data Year (12-13)

Application Date

1B. Equipment Location and Telephone Number (if different from above)
11761 Cordova Road
Street Number and Street Name

Cordova	Maryland	21625	(302) 841-4629
City/Town	State	Zip	Telephone Number

Mountaire Farms of Delaware Inc. - Cordova Grain Facility
Premises Name (if different from above)

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

Status (15)	New Construction Begun (MM/YY) (16-19)	New Construction Completed (MM/YY) (20-23)	Existing Initial Operation (MM/YY) (20-23)
C			

4. Describe this Equipment: Make, Model, Features, Manufacturer (include Maximum Hourly Input Rate, etc.)
(1) 9 hole flat turnhead, (1) 8 hole flat turnhead (1) 4 hole flat turnhead.

5. Workmen's Compensation Coverage See attached.
Binder/Policy Number — Expiration Date
Company
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 3

6B. Number of Stack/Emission Points Associated with this Equipment None, 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

Grain Elevator - receives, drys and ships all grains.

9. Control Devices Associated with this Equipment

None ☐ 24-0

Simple/Multiple Cyclone	Spray/Adsorb Tower	Venturi Scrubber	Carbon Adsorber	Electrostatic Precipitator	Baghouse	Thermal/Catalytic Afterburner	Dry Scrubber
☐	☐	☐	☐	☐	☐	☐	☐
24-1	24-2	24-3	24-4	24-5	24-6	24-7	24-8

Other

[X] Describe Mineral oil applied to all grains received.

24-9

10. Annual Fuel Consumption for this Equipment

OIL-1000 GALLONS	SULFUR %	GRADE	NATURAL GAS-1000 FT^3	LP GAS-100 GALLONS	GRADE
26-31	32-33	34	35-41	42-45	

COAL- TONS	SULFUR %	ASH%	WOOD-TONS	MOISTURE %
46-52	53-55	56-58	59-63	64-65

OTHER FUELS _____ (Specify Type) ☐ 66-1 ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

OTHER FUEL _____ (Specify Type) ☐ 66-2 ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

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

11. Operating Schedule (for this Equipment)

Continuous Operation	Batch Process	Hours per Batch	Batch per Week	Hours per Day	Days Per Week	Days per Year
☐	☐		☐			
67-1	67-2	68-69		70-71	72	73-75

Seasonal Variation in Operation:

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

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

If not, then	Height Avove Ground (FT)	Inside Diameter at Top	Exit Temperature (°F)	Exit Velocity (FT/SEC)
	☐☐☐ 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)

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

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

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

15. Waste Streams- Solid and Liquid

			OUTPUT RATE		
NAME	CAS NO. (IF APPLICABLE)	PER HOUR	UNITS	PER YEAR	UNITS
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	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
99-104	105-110	111-116

Carbon Monoxide	Volatile Organic Compounds	PM-10
177-122	123-128	129-134

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

Particulate Matter	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
135-139	140-144	145-149

Carbon Monoxide	Volatile Organic Compounds	PM-10
150-154	155-159	160-164

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

TSP	SOX	NOX	CO	VOC	PM10
165	166	167	168	169	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 Date_____ By_____ **Reviewed by State** Date_____ By_____

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

20. Annual Operating Rate (186-192) **Maximum Design Hourly Rate** (193-199) **Permit to Operate Month** (200-201) **Transaction Date (MM/DD/YR)** (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 (239) A: Add C: Change

Form Number: 5
Rev. 9/27/2002
TTY Users 1-800-735-2258

Recycled Paper

AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	Mountaire Farms of Delaware Inc.
COMPANY ADDRESS:	29106 John J Williams Highway, Millsboro, Delaware, 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Mountaire Farms of Delaware Inc - Cordova Grain Facility
PREMISES ADDRESS:	11761 Cordova Road, Cordova, Maryland, 21625
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
Wet Grain Tank Storage	

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. 1 Form 5
No. NA Form 5T
No. NA Form 5EP
No. NA Form 6
No. NA Form 10
No. NA Form 11
No. NA Form 41
No. NA Form 42
No. NA Form 44

☒ Vendor/manufacturer 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 of Delaware Inc.

Mailing Address
P.O. Box 1320
Street Address

Millsboro	Delaware	19966
City	State	Zip

Telephone Number
(302) 841-4629

Signature

Phillip Plylar - President — 6-3-2024
Print Name and Title — Date

DO NOT WRITE IN THIS BLOCK
2. REGISTRATION NUMBER

County No. (1-2) | Premises No. (3-6)
Registration Class (7) | Equipment No. (8-11)
Data Year (12-13) | Application Date

1B. Equipment Location and Telephone Number (if different from above)
11761 Cordova Road
Street Number and Street Name

Cordova	Maryland	21625	(302) 841-4629
City/Town	State	Zip	Telephone Number

Mountaire Farms of Delaware Inc. - Cordova Grain Facility
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)
C			
15	16-19	20-23	20-23

4. Describe this Equipment: Make, Model, Features, Manufacturer (include Maximum Hourly Input Rate, etc.)
(5) Wet grain storage tanks @ 10,000 bushels each.

5. Workmen's Compensation Coverage See attached.
Binder/Policy Number — Expiration Date
Company
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 5

6B. Number of Stack/Emission Points Associated with this Equipment Bin vents

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

Grain Elevator - receives, drys and ships all grains.

9. Control Devices Associated with this Equipment

None ☐ 24-0

Simple/Multiple Cyclone	Spray/Adsorb Tower	Venturi Scrubber	Carbon Adsorber	Electrostatic Precipitator	Baghouse	Thermal/Catalytic Afterburner	Dry Scrubber
☐	☐	☐	☐	☐	☐	☐	☐
24-1	24-2	24-3	24-4	24-5	24-6	24-7	24-8

Other

☒ Describe Mineral oil applied to all grains received.

24-9

10. Annual Fuel Consumption for this Equipment

OIL-1000 GALLONS (26-31) | SULFUR % (32-33) | GRADE (34) | NATURAL GAS-1000 FT^3 (35-41) | LP GAS-100 GALLONS (42-45) | GRADE

COAL- TONS (46-52) | SULFUR % (53-55) | ASH% (56-58) | WOOD-TONS (59-63) | MOISTURE % (64-65)

OTHER FUELS _____ (Specify Type) ☐ 66-1 ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

OTHER FUEL _____ (Specify Type) ☐ 66-2 ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

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

11. Operating Schedule (for this Equipment)

Continuous Operation	Batch Process	Hours per Batch	Batch per Week	Hours per Day	Days Per Week	Days per Year
☐	☐	☐☐	☐	☐☐	☐	☐☐☐
67-1	67-2	68-69		70-71	72	73-75

Seasonal Variation in Operation:

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

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

If not, then

Height Avove Ground (FT)	Inside Diameter at Top	Exit Temperature (°F)	Exit Velocity (FT/SEC)
☐☐☐	☐☐☐	☐☐☐☐	☐☐☐
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)

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

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

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

15. Waste Streams- Solid and Liquid

		OUTPUT RATE			
NAME	CAS NO. (IF APPLICABLE)	PER HOUR	UNITS	PER YEAR	UNITS
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	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
99-104	105-110	111-116

Carbon Monoxide	Volatile Organic Compounds	PM-10
177-122	123-128	129-134

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

Particulate Matter	Oxides of Sulfur	Oxides of Nitrogen
See attached air emmissions		
135-139	140-144	145-149

Carbon Monoxide	Volatile Organic Compounds	PM-10
150-154	155-159	160-164

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

TSP	SOX	NOX	CO	VOC	PM10
165	166	167	168	169	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 Date_____ By_____ **Reviewed by State** Date_____ By_____

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

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

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

Point Description (220-238) **Action** (239) A: Add C: Change

AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	Mountaire Farms of Delaware Inc.
COMPANY ADDRESS:	29106 John J Williams Highway, Millsboro, Delaware, 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Mountaire Farms of Delaware Inc - Cordova Grain Facility
PREMISES ADDRESS:	11761 Cordova Road, Cordova, Maryland, 21625
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
(1) mineral oil dust suppression application system	

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. 1 Form 5
No. NA Form 5T
No. NA Form 5EP
No. NA Form 6
No. NA Form 10
No. NA Form 11
No. NA Form 41
No. NA Form 42
No. NA Form 44

☐ Vendor/manufacturer 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 Permit to Construct
Gas Cleaning or Emission Control Equipment

1. Owner of Installation	Telephone No.		Date of Application
Mountaire Farms of Delaware Inc.			6-3-2024
2. Mailing Address	**City**	**Zip Code**	**County**
P.O. Box 1320	Millsboro	19966	Sussex, DE.
3. Equipment Location	**City/Town or P.O.**		**County**
1176 Cordova Road	Cordova		Talbot
4. Signature of Owner or Operator	**Title**		**Print or Type Name**
	President		Phillip Plylar

5. Application Type: Alteration ☐ New Construction ☒

6. Date Construction is to Start: TBD — **Completion Date (Estimate):**

7. Type of Gas Cleaning or Emission Control Equipment:

Simple Cyclone ☐ Multiple Cyclone ☐ Afterburner ☐ Electrostatic Precipitator ☐

Scrubber ☐ _____ (type) Other ☐ _____ (type)

8. Gas Cleaning Equipment Manufacturer | **Model No.** | **Collection Efficiency (Design Criteria)**

9. Type of Equipment which Control Equipment is to Service:

Mineral oil spray point will be located at the truck receiving grain elevator and will operate when receiving all grains.

10. Stack Test to be Conducted:

Yes ☐ No ☒ _____ (Stack Test to be Conducted By) _____ (Date)

11. Cost of Equipment _____

Estimated Erection Cost _____

12. The Following Shall Be Design Criteria:

	INLET	OUTLET
Gas Flow Rate	_____ ACFM*	_____ ACFM*
Gas Temperature	_____ °F	_____ °F
Gas Pressure	_____ INCHES W.G.	_____ INCHES W.G.
	PRESSURE DROP _____	
Dust Loading	_____ GRAINS/ACFD**	_____ GRAINS/ACFD**
Moisture Content	_____ %	_____ %
OR		
Wet Bulb Temperature	_____ °F	_____ °F

Liquid Flow Rate _____ GALLONS/MINUTE
(Wet Scrubber)

(WHEN SCRUBBER LIQUID OTHER THAN WATER INDICATE COMPOSITION OF SCRUBBING MEDIUM IN WEIGHT %)

*= ACTUAL CUBIC FEET PER MINUTE **= ACTUAL CUBIC FEET DRY

WHEN APPLICATION INVOLVES THE REDUCTION OF GASEOUS POLLUTANTS, PROVIDE THE CONCENTRATION OF EACH POLLUTANT IN THE GAS STREAM IN VOLUME PERCENT. INCLUDE THE COMPOSITION OF THE GASES ENTERING THE CLEANING DEVICE AND THE COMPOSITION OF EXHAUSTED GASES BEING DISCHARGED INTO THE ATMOSPHERE. USE AVAILABLE SPACE IN ITEM 15 ON PAGE 3.

13. Particle Size Analysis

Size of Dust Particles Entering Cleaning Unit	% of Total Dust	% to be Collected
0 to 10 Microns	_____	_____
10 to 44 Microns	_____	_____
Larger than 44 Microns	_____	_____

14. For Afterburner Construction Only:

Volume of Contaminated Air _____ CFM (DO NOT INCLUDE COMBUSTION AIR)

Gas Inlet Temperature _____ °F

Capacity of Afterburner _____ BTU/HR

Diameter (or area) of Afterburner Throat _____

Combustion Chamber _____ (diameter) _____ (length) Operating Temperature at Afterburner _____ °F

Retention Time of Gases _____

15. Show Location of Dust Cleaning Equipment in the System. Draw or Sketch Flow Diagram Showing Emission Path from Source to Exhaust Point to Atmosphere.

See attached PFD.

Date Received: Local _____ State _____

Acknowledgement Date: _____

By _____

Reviewed By:

Local _____

State _____

Returned to Local:

Date_____

By _____

Application Returned to Applicant:

Date_____

By _____

REGISTRATION NUMBER OF ASSOCIATED EQUIPMENT: ☐ ☐☐☐☐

PREMISES NUMBER: ☐☐ ☐☐☐☐

Emission Calculations Revised By _____ Date _____

AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	Mountaire Farms of Delaware Inc.
COMPANY ADDRESS:	29106 John J Williams Highway, Millsboro, Delaware, 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Mountaire Farms of Delaware Inc - Cordova Grain Facility
PREMISES ADDRESS:	11761 Cordova Road, Cordova, Maryland, 21625
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
Dust Control by Wings Baffle System	

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. 1 Form 5
No. NA Form 5T
No. NA Form 5EP
No. NA Form 6
No. NA Form 10
No. NA Form 11
No. NA Form 41
No. NA Form 42
No. NA Form 44

☐ Vendor/manufacturer 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 Permit to Construct
Gas Cleaning or Emission Control Equipment

1. Owner of Installation	Telephone No.	Date of Application
Mountaire Farms of Delaware Inc.	(302) 841-4629	6-3-2024

2. Mailing Address	City	Zip Code	County
P.O. Box 1320	Millsboro	19966	Sussex, DE.

3. Equipment Location	City/Town or P.O.	County
11761 Cordova Road	Cordova	Talbot

4. Signature of Owner or Operator	Title	Print or Type Name
[signature]	President	Phillip Plylar

5. Application Type: Alteration ☐ New Construction ☒

6. Date Construction is to Start: TBD **Completion Date (Estimate):**

7. Type of Gas Cleaning or Emission Control Equipment:

Simple Cyclone ☐ Multiple Cyclone ☐ Afterburner ☐ Electrostatic Precipitator ☐

Scrubber ☐ _____ (type) Other ☐ _____ (type)

8. Gas Cleaning Equipment Manufacturer **Model No.** **Collection Efficiency (Design Criteria)**

9. Type of Equipment which Control Equipment is to Service:
Dust control baffle system will be installed in the grain truck receiving pit.

10. Stack Test to be Conducted:

Yes ☐ No ☒ _____ (Stack Test to be Conducted By) _____ (Date)

11. Cost of Equipment _____

Estimated Erection Cost _____

12. The Following Shall Be Design Criteria:

	INLET	OUTLET
Gas Flow Rate	_____ ACFM*	_____ ACFM*
Gas Temperature	_____ °F	_____ °F
Gas Pressure	_____ INCHES W.G.	_____ INCHES W.G.
	PRESSURE DROP _____	
Dust Loading	_____ GRAINS/ACFD**	_____ GRAINS/ACFD**
Moisture Content	_____ %	_____ %
OR		
Wet Bulb Temperature	_____ °F	_____ °F

Liquid Flow Rate _____ GALLONS/MINUTE
(Wet Scrubber)

(WHEN SCRUBBER LIQUID OTHER THAN WATER INDICATE COMPOSITION OF SCRUBBING MEDIUM IN WEIGHT %)

*= ACTUAL CUBIC FEET PER MINUTE **= ACTUAL CUBIC FEET DRY

WHEN APPLICATION INVOLVES THE REDUCTION OF GASEOUS POLLUTANTS, PROVIDE THE CONCENTRATION OF EACH POLLUTANT IN THE GAS STREAM IN VOLUME PERCENT. INCLUDE THE COMPOSITION OF THE GASES ENTERING THE CLEANING DEVICE AND THE COMPOSITION OF EXHAUSTED GASES BEING DISCHARGED INTO THE ATMOSPHERE. USE AVAILABLE SPACE IN ITEM 15 ON PAGE 3.

13. Particle Size Analysis

Size of Dust Particles Entering Cleaning Unit	% of Total Dust	% to be Collected
0 to 10 Microns	_____	_____
10 to 44 Microns	_____	_____
Larger than 44 Microns	_____	_____

14. For Afterburner Construction Only:

Volume of Contaminated Air _____ CFM (DO NOT INCLUDE COMBUSTION AIR)

Gas Inlet Temperature _____ °F

Capacity of Afterburner _____ BTU/HR

Diameter (or area) of Afterburner Throat _____

Combustion Chamber _____ (diameter) _____ (length) Operating Temperature at Afterburner _____ °F

Retention Time of Gases _____

15. Show Location of Dust Cleaning Equipment in the System. Draw or Sketch Flow Diagram Showing Emission Path from Source to Exhaust Point to Atmosphere.

See attached PFD.

Date Received: Local _____ State _____

Acknowledgement Date: _____

By _____

Reviewed By:

Local _____

State _____

Returned to Local:

Date_____

By _____

Application Returned to Applicant:

Date_____

By _____

REGISTRATION NUMBER OF ASSOCIATED EQUIPMENT: ☐ ☐☐☐☐

PREMISES NUMBER: ☐☐ ☐☐☐☐

Emission Calculations Revised By _____ Date _____

Talbot County Planning and Zoning Department
215 Bay Street, Suite 2
Easton, Maryland 21601

Phone: 410-770-8030
edeflaux@talbotcountymd.gov

FAX: 410-770-8043
TTY: 410-822-8735

July 1, 2024

Kyle McConnell
Environmental Manager – Eastern Shore
Mountaire Farms
(302) 841-4629

c/o Mountaire Farms of Delaware Inc.
P.O. Box 1320
Millsboro, DE 19966

Subject: Zoning Verification for the properties of Mountaire Farms:

1. 11761 Cordova Road
   Cordova, MD 21625
   Tax Map 11, Grid 12, Parcel 47
   Tax Account # 147316

2. 14209 Old Wye Mills Road
   Wye Mills, MD 21679
   Map 1, Grid 10, Parcel 7
   Tax Account # 156064

In response to your request for information regarding the above-referenced properties, I have researched our files and present the following:

1. The Cordova property is in the Village Mixed (VM) zoning district and is currently compliant with all zoning standards. The land use category is Agricultural Support Businesses and Services (*Talbot County Code §190-25.2 (Table IV-1)* Table of Land Uses). This property operates under the *Grain Processing, Drying, and Storage (wholesale commercial)* use permitted only by a Special Exception from the Board of Appeals in the VM zoning district. The property has been operating as this use since at

least the 1950's. The first Special Exception was granted in 1994 to construct a new 60' diameter storage tank (80' Height) and replace in-kind the existing tank with a 48' diameter tank (Appeal No. 927). In the year 2000, a modification to the existing Special Exception was granted by the Board to construct one (1) additional grain bin (Appeal No. 1123). In 2022, the Board approved another modification to the Special Exception to allow for the construction of an additional grain tank (SPEX-22-4).

2. The existing zoning for the property in Wye Mills is Village Hamlet (VH) and Critical Area Overlay (CAO). There are currently no outstanding zoning issues for this facility. The land use category is Agricultural Support Businesses and Services. This property operates under the *Grain Processing, Drying, and Storage (wholesale commercial)* use permitted only by a Special Exception from the Board of Appeals in the VH zoning district. The property was first granted a Special Exception for grain storage in 1977 (Appeal No. 237), to allow two grain storage tanks, in addition to a tank that existed since 1948. In 1979, the Board of Appeals granted a modification to the Special Exception (Appeal No. 357) to construct an additional two (2) grain storage tanks. At this time, the Board also granted a height variance of the 40' maximum height. Only one of the two approved tanks were constructed in the allotted time frame. In 1983, the property owner was again granted a Special Exception modification, and variance of the 40' height restriction, to construct an additional grain tank (Appeal No. 496). The Nagel company purchased the property in 1994. In 1995, the Board granted a modification to the Special Exception to construct two additional grain storage tanks and granted a variance for reduction of the 200' setback (Appeal No. 947). The applicant never constructed the approved tanks. In 1997, the applicant again requested a modification to the Special Exception to construct two (2) grain storage tanks and for a variance of the 200' setback. The Board, again, granted the request (Appeal No. 1036). In 1999, the Board granted a modification to the Special Exception to construct three (3) additional grain storage tanks (Appeal No. 1092). In 2015, the Board granted a modification of the Special Exception to approve six (6) grain storage tanks, one (1) grain dryer, and granted eight (8) setback variances necessary to construct the grain tanks (Appeal No. 14-1625). The *Talbot County Code* was amended in 2018, modifying setback requirements in the VH zoning district. As modified, "New or expanded structures shall maintain the minimum setback from lot lines of the existing structures on the same property." In 2023, the Board approved variances and a modification of the Special Exception to permit the construction of two (2) grain tanks at heights of 134.23' and 115.5' where the maximum height of 100' is a supplemental standard for a storage structure (SPEX-23-2). The office building on the property was destroyed by fire in December of 2023. The temporary office is permitted with a temporary use certificate (U-23-15). The demolition of the damaged building is currently underway (DEMO-24-13). This office has not yet received a building permit application for the replacement building.

The commonly owned properties adjacent to the subject property in Wye Mills are zoned Village Hamlet (VH), are in the Critical Area Overlay (CAO), and the land use category is Residential. All four dwellings are proposed to be demolished and removed and have demolition permits applied for as follows:

155068	28685 Queen Anne Hwy, Wye Mills, MD	0001	0010	0025	DEMO-24-16
155483	28681 Queen Anne Hwy, Wye Mills, MD	0001	0010	0005	DEMO-24-18
145100	28663 Queen Anne Hwy, Wye Mills, MD	0001	0010	0045	DEMO-24-20
145119	28665 Queen Anne Hwy, Wye Mills, MD	0001	0010	0042	DEMO-24-17

The standard setbacks of the parcels in the VH and VM are as follows:

Front	25'
Side	10'
Rear	25'
State Highway	50' (All parcels front on State Highways, Rt. 662, 309 or 404)

This information was researched on July 1, 2024, by the undersigned, per request and as a public service. The undersigned certifies that the above information contained herein is believed to be accurate and is based upon, or relates to, the information supplied by the requestor. The Authority assumes no liability for errors and omissions. All information was obtained from public records, which may be inspected during regular business hours.

Please contact me if you have any questions.

Sincerely,

Andrew Nixon
Talbot County Planning and Zoning

MARYLAND DEPARTMENT OF THE ENVIRONMENT

AIR AND RADIATION ADMINISTRATION
APPLICATION FOR A PERMIT TO CONSTRUCT

SUPPLEMENT TO
DOCKET #09-24

COMPANY: Mountaire Farms of Delaware, Inc.

LOCATION: 11761 Cordova Rd., Cordova, MD 21625

APPLICATION: A grain drying and handling facility.

ITEM	DESCRIPTION
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 Standard Reference List

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 of Delaware, Inc. on July 19, 2024 for a grain drying and handling facility. The installation is located at 11761 Cordova Rd., Cordova, MD 21625.

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 #09-24 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 MDE EJ Screening Tool. The EJ Score, expressed as a statewide percentile, was shown to be 42, 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%, to identify underserved communities, and multiple environmental health indicators to identify overburdened communities. 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 OF DELAWARE, INC.

INSTALLATION OF CORDOVA GRAIN FACILITY

I. INTRODUCTION

The Maryland Department of the Environment (the "Department") received an application from Mounatire Farms of Delaware, Inc. on July 19, 2024 for a Permit to Construct for the Cordova Grain Facility. The facility will be located at 11761 Cordova Rd., Cordova, MD 21625.

A notice was placed in The Star Democrat on August 14, 2024 and August 21, 2024 announcing an opportunity to request an informational meeting to discuss the application for a Permit to Construct. An informational meeting was not requested.

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 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 INSTALLATION

Installation

The installation is a grain drying and handling facility. Particulate emissions are controlled by application of mineral oil to all grain as it is received, the Truck Receiving Pit 1 will be equipped with a wings baffle system, certain emission units will be enclosed, and the

equipment associated with Grain Shipping will be equipped with dust socks. The propane direct fired dryers will have a mesh screen to control particulate emissions.

III. APPLICABLE REGULATIONS

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

(a) 40 CFR 60 Subparts A and DD, which establishes standards of performance for grain elevators.

(b) 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.

(c) 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.

(d) 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.

(e) COMAR 26.11.15.06, which prohibits the discharge of toxic air pollutants to the extent that such emissions will unreasonably endanger human health.

(f) COMAR 26.11.18.03A, which requires that the Permittee perform proper housekeeping, proper maintenance, and take reasonable precautions to minimize emissions.

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 Talbot County complies with the NAAQS for ozone, sulfur dioxide, particulate matter, carbon monoxide, nitrogen dioxide 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 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 source is located using the Maryland EJ Screening Tool. The EJ Score, expressed as a statewide percentile, was shown to be 42 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%, to identify underserved communities, and multiple environmental health indicators to identify overburdened communities.

To account for other sources of pollution surrounding the source, the Department conducted an additional EJ Score analysis to evaluate the impact of other sources located within 1 mile of the

[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.

source. There were no other census tracts within 1 mile of the facility.

An EJ Score of 42 indicates that the installation is located in an area that is not disproportionately impacted by sources of pollution or at a higher risk of health problems from environmental exposures than other areas in Maryland. The Department has reviewed the air quality impacts from this installation and has determined that the installation will meet all applicable air quality standards.

VI. COMPLIANCE DEMONSTRATION AND ANALYSIS

The 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 U.S. EPA-approved emissions factors. The conservative U.S. EPA's SCREEN3 model was used to project the maximum ground level concentrations from the facility, which were then compared to the screening levels and the NAAQS.

A. **Estimated Emissions** - The maximum emissions of air pollutants of concern from the installation are listed in Table I.

B. **Compliance with National Ambient Air Quality Standards -** The ambient background concentration for each pollutant, which includes the projected contribution from the existing facility, are listed in column 2 of Table II. The ambient background concentration for each pollutant shown in column 2 of Table II is less than the NAAQS for each pollutant shown in column 3.

C. **Compliance with Air Toxics Regulations** – The toxic air pollutants of concern that would be emitted from this installation are listed in column 1 of Table III. The predicted maximum off-site ambient concentrations of these toxic air pollutants are shown in column 4 of Table III, and in each case the maximum concentration is less than the corresponding screening level for the toxic air pollutant shown in column 2.

VII. TENTATIVE DETERMINATION

Based on the above information, the Department has concluded that the installation 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 INSTALLATION

POLLUTANT	PROJECTED MAXIMUM EMISSIONS FROM THE INSTALLATION	
	(lbs/day)	(tons/year)
Nitrogen Dioxide (NO_2)	285	52
Sulfur Dioxide (SO_2)	4	0.71
Carbon Monoxide (CO)	164	30
Volatile Organic Compounds (VOC)	22	4
Particulate Matter (PM_{10})	225	41

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

POLLUTANTS	**BACKGROUND AMBIENT AIR CONCENTRATIONS INCLUDING IMPACT FROM EXISTING FACILITY* ($\mu g/m^3$)****	**NATIONAL AMBIENT AIR QUALITY STANDARDS (NAAQS) ($\mu g/m^3$)**
Nitrogen Dioxide (NO_2)	annual avg.→ 26.5	annual avg.→ 100
Carbon Monoxide (CO)	8-hr max.→ 1265 1-hr max.→ 2990	8-hr max.→ 10,000 1-hr max.→ 40,000
Sulfur Dioxide (SO_2)	24-hour max.→ 5.0 annual avg.→0.8	24-hour max.→ 366 annual avg.→ 78.5
Particulate Matter (PM_{10})	24-hr max.→ 101	24-hr max.→ 150

*Note: The background ambient air concentrations listed above includes the concentrations of pollutants generated from existing facility. There will be no new emissions added to the existing background concentrations.
**Background concentrations were obtained from Maryland air monitoring stations as follows:

NO_2, → Lochearn monitor located at 4380 Old Court Rd., highest 2023 Maryland value
CO and SO_2 → Essex monitor located at 600 Dorsey Rd., highest 2023 Maryland value

PM_{10} → Monitor Located at 3900 Hillen Rd., highest 2023 Maryland value

TABLE III
PREDICTED MAXIMUM OFF-SITE AMBIENT CONCENTRATIONS FOR TOXIC AIR POLLUTANTS EMITTED FROM THE INSTALLATION

TOXIC AIR POLLUTANTS	SCREENING LEVELS (μg/m³)	PROJECTED WORST-CASE FACILITY-WIDE EMISSIONS (lbs/hr)	PREDICTED MAXIMUM OFF-SITE GROUND LEVEL CONCENTRATIONS (μg/m³)
Benzene	1-hour→ 79.87 8-hour→ 15.97 Annual→ 1.30	4.79E-04	1-hour→ 8.02E-02 8-hour→ 5.61E-02 Annual→ 6.42E-03
Formaldehyde	1-hour→ None 8-hour→ 20.3 Annual→ 0.80	2.49E-03	1-hour→ None 8-hour→ 2.91E-01 Annual→ 3.33E-02
n-Hexane	1-hour→ None 8-hour→ 1762.37 Annual→ None	6.00E-02	1-hour→ None 8-hour→ 7.02 Annual→ None
Cadmium	1-hour→ None 8-hour→0.02 Annual→ 0.006	2.28E-05	1-hour→ None 8-hour→ 2.76E-03 Annual→ 3.05E-04
Chromium VI	1-hour→ None 8-hour→ 0.10 Annual→ 0.0008	4.57E-05	1-hour→ None 8-hour→ 5.35E-03 Annual→ 6.11E-04
Nickel	1-hour→ None 8-hour→1.00 Annual→ None	6.85E-05	1-hour→ None 8-hour→ 8.02E-03 Annual→ None

The values represent maximum facility-wide emissions of toxic air pollutants during any 1-hour period of facility operation.

The values are based on worst-case emissions from the facility and were predicted by EPA's SCREEN3 model, which provides conservative estimations concerning the impact of pollutants on ambient air quality.

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:
2000.00

EXPIRATION DATE:
In accordance with
COMAR 26.11.02.04B

LEGAL OWNER & ADDRESS
Mountaire Farms of Delaware, Inc.
29106 John J. Williams Highway
Millsboro, DE 19966
Attention: Mr. Kyle McConnell, Environmental Manager

SITE
Mountaire Farms of Delaware, Inc. – Cordova Grain Facility
11761 Cordova Rd.
Cordova, MD 21625
AI # 154055

SOURCE DESCRIPTION

This permit authorizes the installation of one (1) grain drying and handling facility.

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

Program Manager

Director, Air and Radiation Administration

MOUNTAIRE FARMS OF DELAWARE, INC.
CORDOVA GRAIN FACILITY
11761 CORDOVA RD.
CORDOVA, MARYLAND 21625
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES #041-0152

INDEX

This permit-to-construct incorporates requirements for the following registered installations:

ARA Registration Number	Emission Unit No.	Emissions Unit Name and Description	Date of Installation
Grain Storage Fugitive particulate matter emission sources with emissions controlled by mineral oil applied to all grains when received.			
041-0152-9-0085	EU 1	Tank 1, 42,000-bushel capacity. Metal storage tank.	Pre-2005
041-0152-9-0085	EU 2	Tank 2, 42,000-bushel capacity. Metal storage tank.	Pre-2005
041-0152-9-0085	EU 3	Tank 3, 42,000-bushel capacity. Metal storage tank	Pre-2005
041-0152-9-0085	EU 4	Tank 4, 385,000-bushel capacity. Metal storage tank.	Pre-2005
041-0152-9-0085	EU 5	Tank 5, 150,000 bushel capacity. Metal storage tank.	Pre-2005
041-0152-9-0085	EU 6	Tank 6,160,000 bushel capacity. Metal storage tank.	Pre-2005
041-0152-9-0085	EU 7	Tank 7, 100,000 bushel capacity. Metal storage tank.	Pre-2005
041-0152-9-0085	EU 8	Tank 8, 170,000 bushel capacity. Metal storage tank.	Pre-2005
041-0152-9-0085	EU 9	Tank 9, 165,000 bushel capacity.	Pre-2005

ARA Registration Number	Emission Unit No.	Emissions Unit Name and Description	Date of Installation
		Metal storage tank.	
041-0152-9-0085	EU 10	Tank 10, 300,000 bushel capacity. Metal storage tank.	Pre-2005
041-0152-9-0085	EU 11	Tank 11, 190,000 bushel capacity. Metal storage tank.	Pre-2005
041-0152-9-0085	EU 12	Ground corn piles, 2,200,000 bushel capacity. Metal storage tank.	Pre-2005
041-0152-9-0085	EU 13	Wet Tank 1, 10,000 bushel capacity. Metal storage tank.	Pre-2005
041-0152-9-0085	EU 14	Wet Tank 2, 10,000 bushel capacity. Metal storage tank.	Pre-2005
041-0152-9-0085	EU 15	Wet Tank 3, 10,000 bushel capacity. Metal storage tank.	Pre-2005
041-0152-9-0085	EU 16	Wet Tank 4, 10,000 bushel capacity. Metal storage tank.	Pre-2005
041-0152-9-0085	EU 17	Wet Tank 5, 10,000 bushel capacity. Metal storage tank.	Pre-2005
Grain Dryer Fugitive combustion and process particulate matter emission sources with particulate emissions controlled by mineral oil applied to all grains when received.			
041-0152-8-0029	EU 18	Grain Dryer 1, Brock Dryer Model BCT3500, with a 37.643 MMBtu/hr direct fired propane burner.	Pre-2005
041-0152-8-0030	EU 19	Grain Dryer 2, Zimmerman Dryer Model VT1512, with a 15.4 MMBtu/hr direct fired propane burner.	1991

MOUNTAIRE FARMS OF DELAWARE, INC.
CORDOVA GRAIN FACILITY
11761 CORDOVA RD.
CORDOVA, MARYLAND 21625
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES #041-0152

ARA Registration Number	Emission Unit No.	Emissions Unit Name and Description	Date of Installation
Grain Receiving			
041-0152-8-0033	EU 20	Truck Receiving Pit 1, below grade grain pit where grain is unloaded, 750 bushel capacity, fugitive particulate emission source controlled by wings baffle system.	Pre-2005
041-0152-8-0033	EU 21	Receiving Pit Drag, Drag that takes the grain from the receiving pit and transfers it to the grain receiving elevator leg, 15,500 bushel/hr capacity, dust controlled by mineral oil applied to all grains when received and an enclosure.	Pre-2005
Grain Handling Fugitive particulate matter emission sources controlled by an enclosure and mineral oil applied to all grains when received.			
041-0152-8-0031	EU 22	Grain Elevator Receiving Leg, 15,500 bushel/ hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 23	Grain Elevator Wet Leg, 6,000 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 24	Grain Elevator Dry Leg, 6,000 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 25	Turn Head 1, 9-hole flat back turn head. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 26	Turn Head 2, 8-hole flat back turn head - 8-hole flat back turn head. Totally enclosed.	Pre-2005
041-0152-8-0031	EU-27	Turn Head 3, 4-hole flat back turn head. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 28	#8/4/10 Top Drag, 15,000 bushels/hr capacity. Totally enclosed.	Pre-2005

MOUNTAIRE FARMS OF DELAWARE, INC.
CORDOVA GRAIN FACILITY
11761 CORDOVA RD.
CORDOVA, MARYLAND 21625
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES #041-0152

ARA Registration Number	Emission Unit No.	Emissions Unit Name and Description	Date of Installation
041-0152-8-0031	EU 29	Tank 8 Top Drag, 16,000 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 30	#11 Top Drag, 16,000 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 31	#6/9 Top Drag, 6,000 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 32	#5/6 Top Drag, 6,000 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 33	#2/5Top Drag, 5,000 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 34	#1/7 Top Drag, 12,000 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 35	#4 Tunnel Drag, Grain 6,500 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 36	#11 Tunnel Drag, 6,500 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 38	Wet #/2 Drag, 5,500 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU-39	Zimmerman Dryer U Trough Screw, 5,000 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU-40	Brock Dryer U Trough Screw, 5,000 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU-41	Dry Leg U Trough Screw, 5,000 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 42	#3 Tube Screw, 2,500 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 43	#7 Tube Screw, 4,000 bushels/hr capacity. Totally enclosed. Totally enclosed.	Pre-2005

ARA Registration Number	Emission Unit No.	Emissions Unit Name and Description	Date of Installation
041-0152-8-0031	EU 44	#1 Tube Screw, 2,500 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 45	#2 Tube Screw, 2,500 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 46	#5 U Trough Tube Screw 4,000 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 47	#6 U Trough Tube Screw, 4,000 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 48	#9 U Trough Tube Screw, 6,000 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 49	Wet #3 U Trough Screw, 4,000 bushels/hr capacity. Totally enclosed.	Pre-2005
041-0152-8-0031	EU 50	Wet #4/5 U Trough Screw, 4,000 bushels/hr capacity. Totally enclosed.	Pre-2005
Grain Shipping Fugitive particulate matter sources of emissions controlled by mineral oil applied to all grains when received and a dust sock.			
041-0152-8-0032	EU 51	Receiving Leg Loadout, 15,500 bushels/hr capacity.	Pre-2005
041-0152-8-0032	EU 52	Wet Leg Loadout, 6,000 bushels/hr capacity.	Pre-2005
041-0152-8-0032	EU 53	Dry Leg Loadout, 6,000 bushels/hr capacity.	Pre-2005
041-0152-8-0032	EU 54	#10 Incline Tube Screw Loadout 7,500 bushels/hr capacity.	Pre-2005
041-0152-8-0032	EU 55	#4 Incline Tube Screw Loadout 6,000 bushels/hr capacity.	Pre-2005
041-0152-8-0032	EU 56	#8 Incline Tube Screw Loadout 5,500 bushels/hr capacity.	Pre-2005
041-0152-8-0032	EU 57	#11 Incline Tube Screw Loadout 6,500 bushels/hr capacity.	Pre-2005

ARA Registration Number	Emission Unit No.	Emissions Unit Name and Description	Date of Installation
041-0152-8-0032	EU 58	#9 Incline Tube Screw Loadout 5,500 bushels/hr capacity.	Pre-2005
041-0152-8-0032	EU 59	#6 Incline Tube Screw Loadout 4,500 bushels/hr capacity.	Pre-2005
041-0152-8-0032	EU 60	#5 Incline Tube Screw Loadout 4,500 bushels/hr capacity.	Pre-2005
041-0152-8-0032	EU 61	#7 Incline Tube Screw Loadout 5,000 bushels/hr capacity.	Pre-2005
041-0152-8-0032	EU 62	Gravity Loadout Tank 1, 6,000 bushels/hr capacity.	Pre-2005
041-0152-8-0032	EU 63	Gravity Loadout Tank 2, 6,000 bushels/hr capacity.	Pre-2005
041-0152-8-0032	EU 64	Gravity Loadout Tank 4, 6,000 bushels/hr capacity.	Pre-2005
041-0152-8-0032	EU 65	Gravity Loadout Tank 5, 6,000 bushels/hr capacity.	Pre-2005
041-0152-8-0032	EU 66	Gravity Loadout Tank 6, 6,000 bushels/hr capacity.	Pre-2005
041-0152-8-0032	EU 67	Gravity Loadout Tank 7, 6,000 bushels/hr capacity.	Pre-2005
041-0152-8-0032	EU 68	Gravity Loadout Tank 8, 6,000 bushels/hr capacity.	Pre-2005
041-0152-8-0032	EU 69	Gravity Loadout Tank 9, 6,000 bushels/hr capacity.	Pre-2005
041-0152-8-0032	EU 70	Gravity Loadout Tank 10, 6,000 bushels/hr capacity.	Pre-2005
041-0152-8-0032	EU 71	Gravity Loadout Tank 11, 6,000 bushels/hr capacity.	Pre-2005
041-0152-8-0032	EU 72	Gravity Loadout Wet Tank 4, 6,000 bushels/hr capacity.	Pre-2005
Ground Corn Pile Storage Equipment Fugitive particulate matter sources of emissions controlled by mineral oil applied to all grains when received.			
041-0152-8-0034	EU 73	Loadin Hamilton Belt System, 10,000 bushels/hr capacity.	Pre-2005
041-0152-8-0034	EU 74	Loadout Hamilton Belt System, 10,000 bushels/hr capacity.	Pre-2005

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) Fifteen (15) Applications for Processing or Manufacturing Equipment (Form 5) received July 19, 2024.

(b) One (1) Application for Gas Cleaning or Emission Control Equipment (Form 6) received July 19, 2024.

(c) Supplemental Information including an equipment list, emissions estimates, a layout drawing, a zoning letter, and a flow diagram received July 19, 2024.

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 Caroline 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;

(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.

(f) exercise its right of entry through use of an unmanned aircraft system to conduct inspections, collect samples, or make visual observations through photographic or video recordings.

(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) 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:

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 and DD, Standards of Performance for Grain Elevators.

All notifications required under 40 CFR 60 Subparts A and DD 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

(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.

(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(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.

(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, which requires grain-drying and grain-handling installations to perform proper housekeeping, proper maintenance and take reasonable precautions to minimize emissions.

Part C – Construction Conditions

(1) Except as otherwise provided in this part, all registered installations shall be constructed in accordance with specifications included in the incorporated applications.

(2) The Grain Dryers (EUs 18 and 19) shall combust propane, unless alternative fuels are approved by the Department.

(3) The Grain Dryer exhaust gases shall pass through a 24 mesh screen or be fitted with equipment that will accomplish equally effective results in reducing particulate matter discharge. "Mesh" means Tyler Standard Screen Scale or its equivalent. **[Reference: COMAR 26.11.18.03A(1)]**

(4) Truck Receiving Pit 1 (EU 20) shall be constructed with a wings baffle system to control fugitive particulate emissions.

(5) The Receiving Pit Drag (EU 21) and Grain Handling Emission Units (EU 22-EU 50) shall control fugitive particulate matter emissions with an enclosure.

(6) Each Emission Unit used for Grain Shipping (EU 51 – EU 72) shall be equipped with a dust sock to control fugitive particulate matter emissions.

(7) The facility shall be equipped with a system to apply mineral oil to all grains when received in order to control fugitive particulate emissions.

Part D – 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) The Permittee shall maintain and operate all installations and associated air pollution control equipment so as to assure full and continuous compliance with all applicable air pollution control regulations and permit conditions.

(3) The Grain Dryers (EU 18 and 19) shall combust propane, unless alternative fuels are approved by the Department.

(4) The exhaust gases from both Grain Dryers shall pass through a 24 mesh screen or be fitted with equipment that will accomplish equally effective results in reducing particulate matter discharge. "Mesh" means Tyler Standard Screen Scale or its equivalent. **[Reference: COMAR 26.11.18.03A(1)]**

(5) Each Emission Unit used for Grain Shipping (EU 51 – EU 72) shall be equipped with a dust sock to control fugitive particulate matter emissions.

(6) Mineral oil shall be applied to all grains when received in order to control fugitive particulate emissions.

(7) 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 operational procedures.

[Reference: COMAR 26.11.18.03A(2)]

(8) The Permittee shall meet the following visible emission limits:

(a) The grain dryer shall meet an opacity limit of 0%;

(b) Any individual truck unloading station shall meet an opacity limit of 5%;

(c) Any truck loading station shall meet an opacity limit of 10%; and

(d) Any grain handling equipment shall meet an opacity limit of 0%.

[Reference: 40 CFR §60.302]

Part E – Notifications, Testing and Monitoring

(1) The Permittee shall submit written or electronic notification to the Department of any Method 9 visible emission observations, at least 30 days prior to performing the test. **[Reference: 40 CFR §60.8(d)]**

(2) On and after the 60th day of permit issuance, but no later than 180 days after permit issuance, a Method 9 visible emissions observation shall be performed on the following equipment:

(a) The Grain Dryers (EU 18 and 19);

(b) Each truck loading station;

(c) Each truck unloading station; and

(d) All grain handling equipment.

[Reference: 40 CFR §60.302]

(3) The Permittee shall develop and implement a fugitive dust plan to minimize particulate emissions.

Part F – 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) The monthly facility throughput, including the type of grain processed, in units of bushels;

(b) The monthly amount of fuel combusted in the Grain Dryers (EU 18 and 19);

(c) The Grain Dryers' (EU 18 and 19) vent filter mesh, or equivalent information;

(d) Monthly records of the amount of mineral oil applied to the grain, in units of pounds or gallons;

(e) Records of preventative maintenance and housekeeping activities that control fugitive particulate matter emissions;

(f) The fugitive dust plan;

(g) All notifications; and

(h) The results of all Method 9 visible emission observations;

(2) 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:

(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.

(3) The Permittee shall submit the results of all Method 9 visible emission observations to the Department within 30 days of performing the test.

(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.

Part G – 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 all registered installations for a period of up to 180 days after permit issuance.

(2) 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.

(3) 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